

NORA[®]
L I G H T I N G

PRODUCT SELECTION GUIDE
EDITION 7

Large enough to do it right, small enough to care.

At Nora Lighting, a family owned and operated business, our clients are at the heart of everything we do. We take their goals seriously, and see their success as our own.

Since 1989, our commitment to our clients, and our desire to strive for excellence have been the base of Nora's culture. We support and champion the technological development of luminaires that meet or exceed the highest international standards of design, craftsmanship, quality, performance, and energy efficiency. We strive to exceed our customer's expectations with products utilizing the latest in lighting technology and exceptional customer service. We pursue these goals with ethical, sound and honest business practices.

Over the past 30 years, Nora Lighting has worked diligently to live up to these goals while offering a product line that continues to set benchmarks for innovation, quality, and performance. Our vast array of LED products presented in this LED catalog are a testament to this. Since the development of our first LED downlight in 2011, our team of engineers have continued to produce LED luminaires that achieve new milestones in energy efficiency, lighting quality and design.

Our full line of LED and non-LED lighting solutions are a reflection of our commitment to our clients. Our extensive product lines, together with our dedicated sales and support teams continue to support the various needs of our valued customers. We hope you are able to find exactly what you are looking for with Nora Lighting, and when you do, the entire Nora family will be ready to meet your needs.

Celebrating our 30th Anniversary

Jilla and I founded Nora Lighting in 1989, only two years after fleeing religious persecution in Iran.

At our inception we had a 1000 sq. ft. warehouse, four SKUs (two cans and two trims) and two full time employees – Jilla and another individual.



In 1993, I decided to leave my full time job to join Jilla in managing Nora Lighting. One year later, we relocated Nora Lighting to a larger 6000 sq. ft. warehouse.

Over the subsequent twelve years, Jilla and I, and our amazing Nora family, worked tirelessly in adding new products to our line, expanding our internal team, adding new rep agencies, and growing our customer base and in 1996 relocated a third time into a much larger 20,000 sq. ft. warehouse.

With continued hard work from our team, our reps, and loyalty from our customers, we continued to grow and in 2001 purchased our 150,000 sq. ft. current facility in Commerce, California.

Today, we are proud of our catalog of over 40,000 SKUs, our broad customer base, many of which have grown side by side with us, our exceptional network of sales agents across the commercial and showroom divisions of our business, and our Nora family, now over 150 people strong.

At our headquarters, we have a full R&D facility, equipped with the latest technology for developing our growing portfolio of LED fixtures, five assembly lines to build and modify products to meet our customers' needs, a brand new QC office and testing facility, and are proud to announce the building of our brand new Nora Showroom and Training Center, to be completed in 2019.

When we started Nora Lighting thirty years ago, we never could have pictured the company that it is today. We are proud to have stayed true to our core values of service, quality, and value throughout the decades. We are proud to be a family owned and operated business, with our second generation (our youngest daughter, Neda, middle name, Nora) joining us six years ago. Most of all, we are proud and humbled to have been trusted by you, our customers and our reps.

Jilla, Neda, and I, and the entire Nora family thank you all for your continued support and look forward to the next thirty years!

A handwritten signature in black ink, which appears to read 'Fred Farzan'.

Fred Farzan
President

New Look, Same Company



We are proud to announce the launch of our new company logo as part of the ongoing evolution of the Nora Lighting brand.

Our business has grown and evolved over the last 30 years, and we felt it was time for a change. We have refreshed our logo to reflect who we are today and to symbolize our future.

After careful consideration, we chose a new logo that reflects a more modern look and captures our mission to deliver excellent quality, service and value across the products we provide.

Our new logo maintains the same Nora "Red" color, but features a minimalist modern design that is simple, yet sophisticated. We have chosen to emphasize "Nora" because that is who we are and what makes us different.

With 30 years under our belt, people know Nora means lighting. The logo is a testament to that.

Nora through the Years



2015-2018



2003-2014



1994-2002

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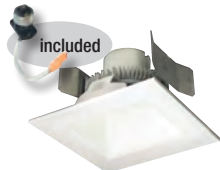
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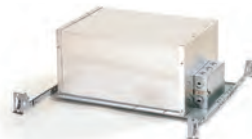
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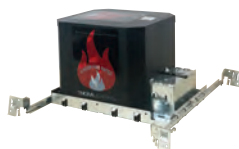
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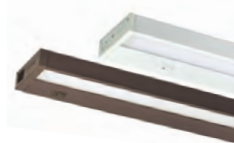


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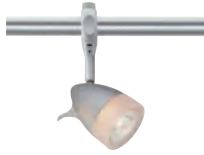
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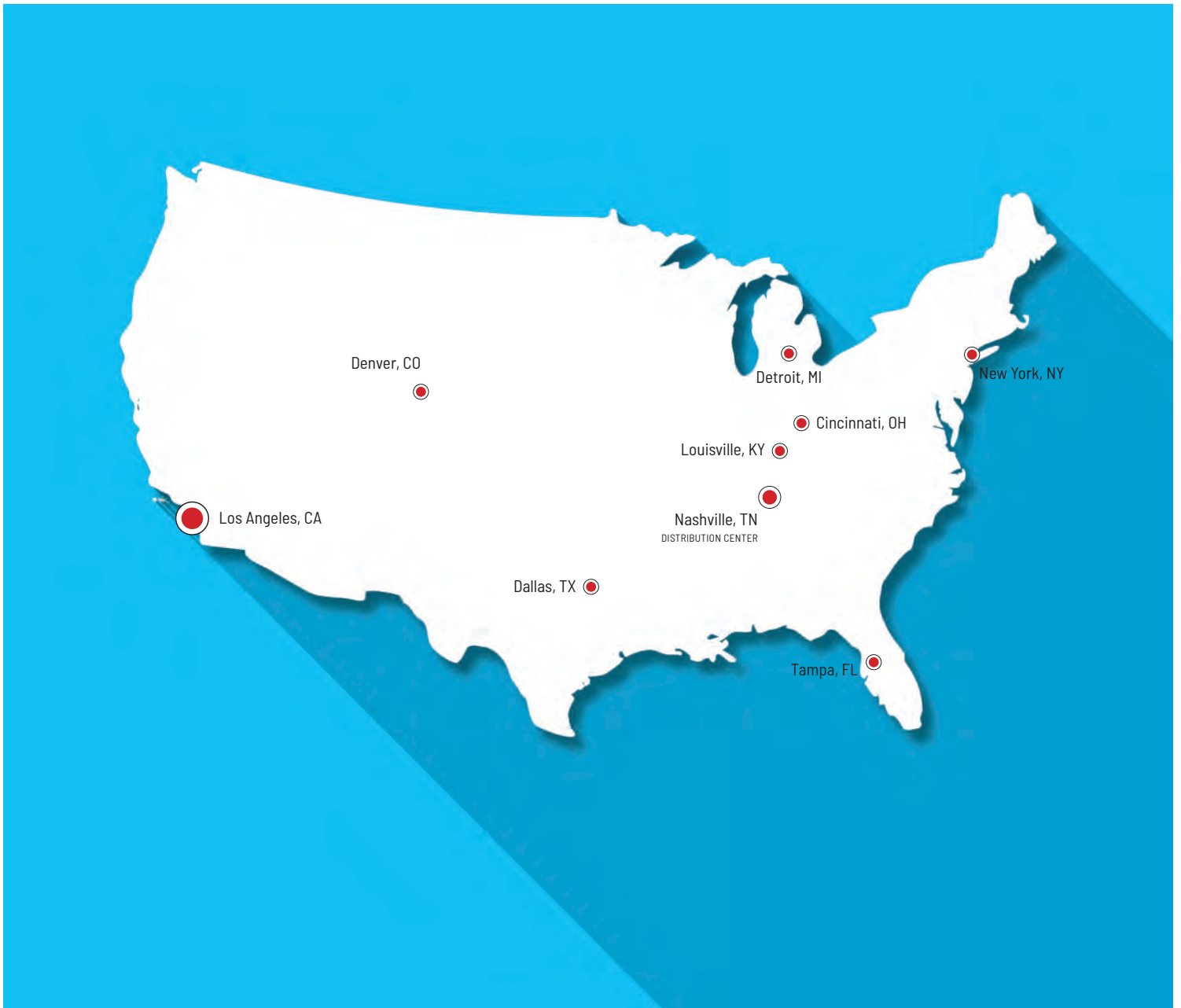
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Nora's Network

Nationwide Distribution: Faster Shipping

Nora's nationwide network of distribution points allows us to fill orders faster than most manufacturers and ensures that our clients receive products and support in a timely manner.

From our 150,000 square-foot manufacturing/warehouse center in Southern California to 9 key distribution points across the country, Nora products can be sent out and delivered as soon as you need them. Orders for in-stock items that are received by 12 noon (PST) can be shipped within 24-48 hours.



Streamlined Production: Quick Response Assembly

Nora has implemented new support systems and streamlined production and inventory management to provide better, faster fulfillment. The Integrated Assembly Center at Nora's Commerce headquarters is designed for quick response and flexibility. Whether it is a request for an emergency unit, a special configured LED package dimming driver or custom reflector / trim combination, Nora's assembly can complete most orders and ship them to a distributor within one to five days.

*42.7 *49.6 *52.2 *49.6 *42.8
 *50.5 *57.9 *61.1 *61.1 *57.9 *50.4
 *54.8 *63.0 *66.1 *66.1 *62.7 *54.4
 *57.6 *66.4 *70.5 *69.8 *66.1 *56.9
 *59.7 *68.7 *73.5 *73.8 *68.9 *59.2
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 *44.2 *51.8 *55.8 *58.2 *58.7 *57.6 *55.3 *51.2 *43.5

| Symbol | Qty | Label | Arrangement | Total Lamp Lumens | LLF | Description | Lum. Watts |
|--------|-----|--------|-------------|-------------------|---------------|-------------|------------|
| 10 | A | SINGLE | N.A. | 0.920 | NPD-E2243-40A | 35.99 | |

| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
|------------------------|-------------|-------|-------|------|------|---------|---------|
| SAMPLE OFFICE_Workplan | Illuminance | Fc | 62.61 | 77.2 | 42.7 | 1.47 | 1.81 |

| LumNo | Label | X | Y | Z | Orient | Tilt |
|-------|-------|----|----|----|--------|------|
| 1 | A | 3 | 3 | 10 | 0 | 0 |
| 2 | A | 3 | 9 | 10 | 0 | 0 |
| 3 | A | 3 | 15 | 10 | 0 | 0 |
| 4 | A | 3 | 21 | 10 | 0 | 0 |
| 5 | A | 9 | 3 | 10 | 0 | 0 |
| 6 | A | 9 | 9 | 10 | 0 | 0 |
| 7 | A | 9 | 15 | 10 | 0 | 0 |
| 8 | A | 9 | 21 | 10 | 0 | 0 |
| 9 | A | 15 | 3 | 10 | 0 | 0 |
| 10 | A | 15 | 9 | 10 | 0 | 0 |

| | | | | | | |
|-------------|------------------------|-----------------|-----------|---|------|----------|
| Page 1 of 2 | ABC CORP OFFICE | Drawn By: | Revisions | # | Date | Comments |
| | MY TOWN, USA | Checked By: | | | | |
| | | Date: 6/20/2017 | | | | |
| | | Scale: | | | | |



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Free Point-by-Point Lighting Design

Nora Lighting, through its representatives, offers our customers free Photometric Point-by-Point Lighting layouts, based on a client's information and using AGI32. With this service, Nora Lighting sales reps can assist in preparing a lighting design for a new project or verify that a design meets IESNA standards. Most layouts can be completed within a 24-hour time frame.

For customers doing their own layouts, Nora maintains a library of IES and Revit files to make the lighting design process as easy as possible.

Services and Capabilities

World Class Customer Service

At Nora Lighting, great customer service is our passion. Whenever you contact our offices, your call is personally answered by a friendly staff member who can respond to your query or direct you to a key contact.

All Nora accounts have a dedicated Customer Care team that is well-acquainted with your projects and orders, and has current details at their fingertips. Our Customer Care specialists act as your in-house "project manager" and can supply all specification and product data, inventory reports, order status and shipping updates.

Assisting our Customer Service is our Quotations Department, a team of knowledgeable experts who understand the various requirements of commercial or residential projects and work to build a package that meets your lighting needs. You can rely on the Nora support team for:

- Project Specifications, Quotations and Sales
- Project Management, Order Status, Processing and Shipping
- Field Support and Technical Services.

The Nora Network: Distribution Channel Partners

Nora Lighting is proud to be represented by a network of professional lighting supply, showroom and specification agencies across the U.S., Canada, Mexico, Central and South America. Our complete line of fixtures and accessories can be found nationwide at electrical wholesalers, lighting showrooms and internet dealers.

That means lighting designers, architects and contractors can count on these industry experts for up-to-date information on what's new and energy-efficient in Nora commercial and residential fixtures and to provide value-added sales support.

To help our sales reps and distributors stay competitive, Nora also offers a variety of distributor programs tailored to meet the goals for growth of our distributor partners. Contact Nora's national sales managers for more details on a program designed for your team.





Nora National Accounts: Customized Programs

Nora is committed to developing long-term relationships with National Accounts and we have expanded our sales programs to better serve large organizations with central purchasing offices. Well-known customers in healthcare, hospitality, retail, industrial, residential and corporate development have discovered the benefits of doing business with us.

Nora's in-house National Accounts Service Team is "hands-on." From quotation and order placement to shipping and confirmation, a National Account representative oversees every step and has status reports on hand. Our specialists are familiar with your inventory requirements and will replenish stock, based on your corporate needs. With Nora's sophisticated inventory control system, we can pre-allocate and hold inventory until it is time to release your shipment.

Here's what Nora can do for your company:

- Outstanding selection of top quality, energy-efficient products with a range of price points
- Nationwide network of centrally-located distribution facilities, stocked and ready to ship
- Advantage of one-source shopping for all corporate lighting needs
- Customized purchase programs that meet customer's needs and expectations.



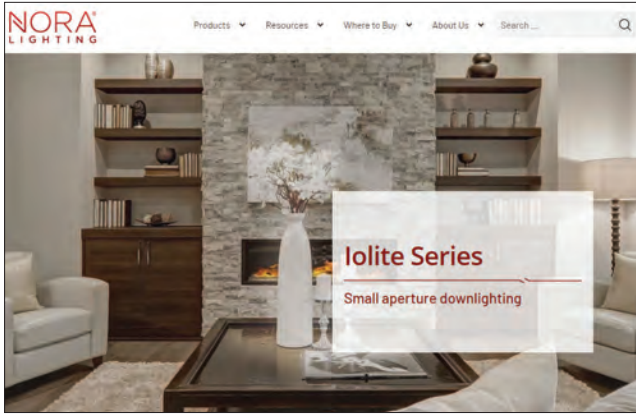
Nora Engineering Bringing ideas to reality

Nora's team of design engineers, mechanical engineers, and electrical engineers work together to develop innovative lines of energy efficient luminaires. Nora engineers combine design and lighting knowledge to create products that represent an excellent marriage of technology and aesthetics. To aid in their product development lifecycle, engineers have the latest technology at their fingertips. Our 3D printer and software tools allow for rapid development of new designs, while our on-site certified DAP UL lab and photometric testing facility bring approved designs to market rapidly.



Nora Technical Support

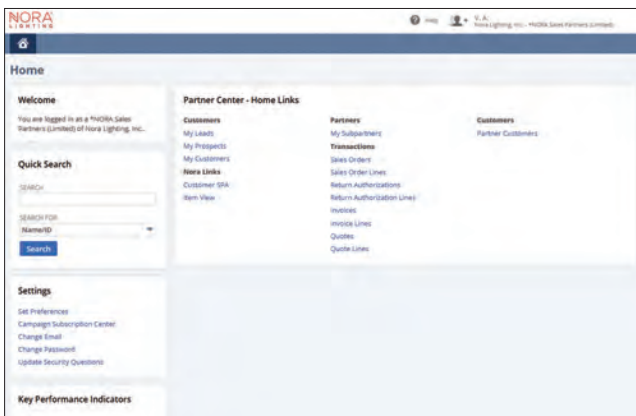
Nora's technical team is available during business hours to guarantee that our customers are getting the best use out of our products. From installation help to trouble shooting, the technical team is able to address any question you may have regarding Nora and NSpec products. Our technical team can also help you identify the right products to meet your needs.



Easy-to-Navigate Website: www.noralighting.com

The Nora website is more user-friendly than ever and has important information at your fingertips. It quickly links to specific fixture lines and one-click product searches bring up related categories. For example, the Recessed Lighting category links to all recessed lighting fixtures, including: LED, incandescent, low voltage, square housings, sloped ceiling, retrofit kits, step lighting and accessories.

An updated Resources section has been added that offers all Nora literature and advertising with downloadable PDF product catalogs and sales sheets. Configurable specification sheets can be saved with customer information, part numbers, project information and more. Nora order forms and credit applications, along with new product launches are all available.



Internet Business Site: www.netsuite.com

If you are following up on an order, but don't have time to call, or are outside of Nora's business hours, you can access your order at NoralInfo.com. NoralInfo houses information relating to current and past orders and can be accessed at any time via the Nora home page or you can simply go to www.NoralInfo.com. Check in 24 hours a day for updates on order information that you need now.



Google Drive

Nora utilizes Google's cloud service (Google Drive) to maintain a central location for photometric files, product images and marketing material. Google Drive allows access to any file, at any time, as long as you have internet access. Files can be saved, printed or emailed from the cloud storage. Another benefit of the Drive is the intuitive search function. A search bar at the top of the webpage, will search the entire contents of folders to easily find what you are looking for.

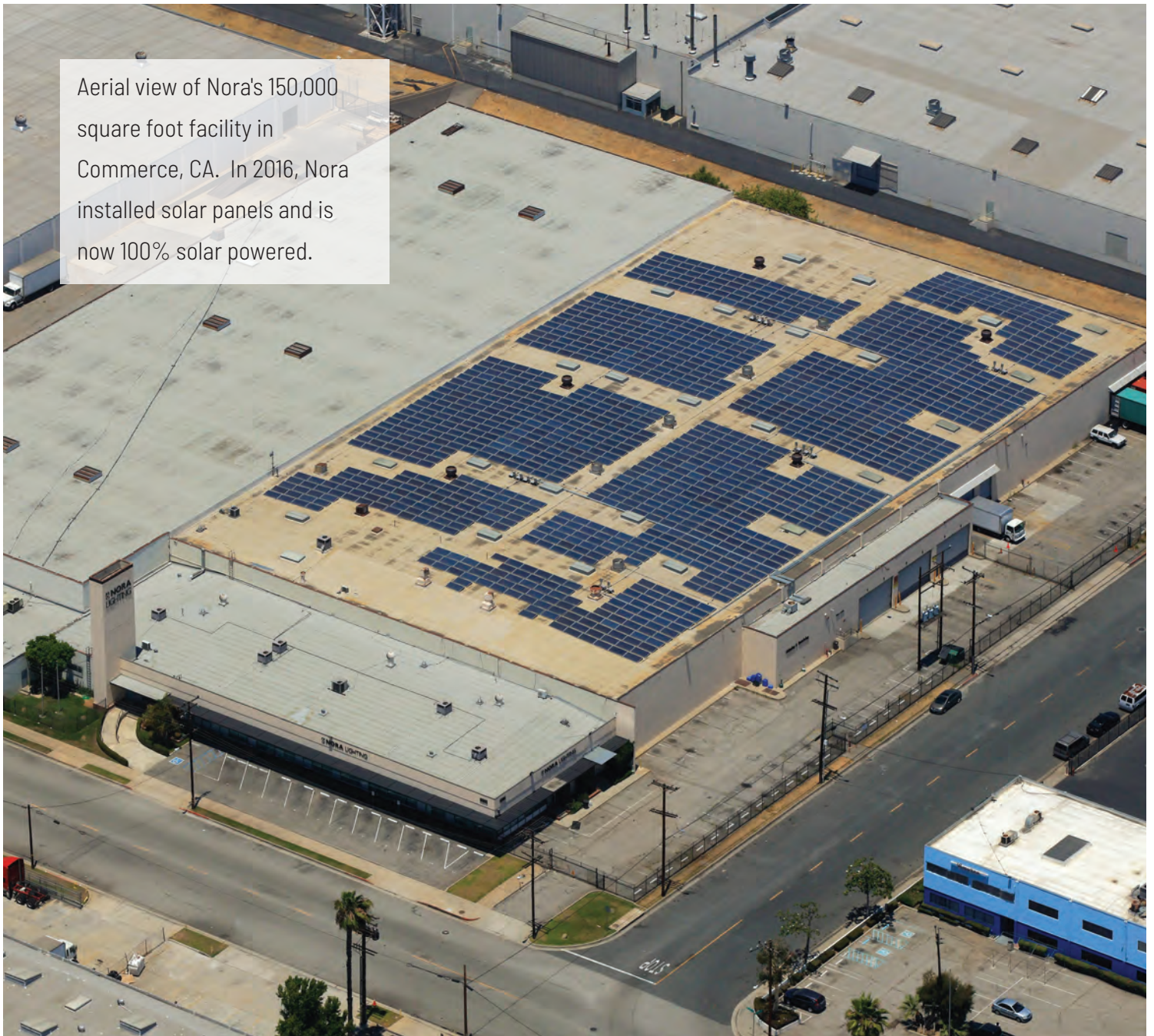
Nora's Marketing Department: Keeping You Up-to-Date

Nora's in-house Marketing Department gives the company an edge in providing our customers with current information on product updates, industry trends and developments that affect your business.

Staffed with talented professionals, this integrated department oversees all Nora sales materials, specification sheets, literature, advertisements, online promotions and product publicity..... and gives Nora the ability to address fast-paced changes in the lighting industry.

As new products are introduced and industry standards modified, Nora can respond with useful information for lighting designers, architects, specifiers, sales representatives and customers to help them make better buying decisions.





Aerial view of Nora's 150,000 square foot facility in Commerce, CA. In 2016, Nora installed solar panels and is now 100% solar powered.

Nora Lighting is Committed to Green

Protecting the environment is an important responsibility and one that Nora Lighting takes seriously in the products we build and in our daily operations.



Developing products to help you go Green

Since 2011, Nora Lighting has focused on the latest technology, developing LED luminaires because they represent the standard in energy-efficient and eco-friendly lighting. In addition to the energy savings and long service life that brought LED luminaires to fame, LED's are also more environmentally friendly. They are free of toxic mercury, lead, and PCB's, and don't emit damaging UV rays and IR emissions.

With the rapid development of our LED product line, it is clear that a greener future has already become a reality. Our products are built to meet Title 24, DLC and ENERGY STAR requirements, so that we can help you in achieving your green initiatives.

Reducing Our Operational Footprint



At Nora Lighting, we are committed to reducing the environmental impact of our business operations. This includes reducing our energy consumption, maintaining a comprehensive recycling program, limiting manufacturing waste, and ensuring sustainable paper procurement and use. In fact, Nora Lighting is currently implementing its "Go Paperless Campaign" which aims at virtually eliminating the use of paper at all of our facilities.

We believe that by focusing on the sustainability of our daily operations, we build a strong foundation for incorporating environmental principles in our products.

Green Solutions for New Construction or Renovations

Lighting designers are at the forefront in specifying energy-efficient Nora fixtures for new and renovation installations. Here are the reasons why they "ask for Nora..."

- LEED points when installing Nora LED fixtures
- Green building compliance (elimination of mercury, lead or PCBs)
- Elimination of projected heat, ultra-violet rays and IR emissions
- Longer-lasting performance life
- Measurable cost savings over the life of the fixtures.



Lighting Applications

MEMORABLE, INVITING, PRACTICAL AND FUNCTIONAL
PERFECT ILLUMINATION IN ANY SPACE

Retail Lighting

Lighting in retail stores plays a critical role in the shopping experience. With proper lighting, the perceived quality of products and materials is substantially improved. LED luminaires help create a pleasant in-store ambiance, giving customers a reason to stay and make purchases, and to return later on.

Nora's high lumen LED track and rail heads provide exceptional accent and spot lighting, while our Multiple Lighting System, RLM shades and Sapphire Series of LED downlights offer general illumination with style. Our LED selection offers excellent color rendering, long life, and energy efficiency, which are critical for retail applications.





Hospitality and Dining

Regardless of the space - restaurant, bar, hotel, theater, or casino - lighting is what brings warmth, excitement, and comfort, creating a welcoming and enjoyable environment for patrons.

Every space has different lighting challenges and the flexibility of LED lighting solutions makes it an ideal light source. Whether it be general lighting, spot lighting, accent lighting, or task lighting, Nora offers the versatility required to meet different design needs.

You can transition a space from casual to romantic with the Comfort Dim option on our Cobalt, lolite, Marquise and Sapphire recessed lights, make your bar or entrance pop with RGB tape light, modernize your hotel room with our Cobalt Square trims, or adorn your lobby with iLENE mini cylinders. Set the mood or set zones through Nora's Smart PRISM downlight. Whatever the application, our LED luminaires create a designer look in every space.





Commercial Lighting

Proper lighting in commercial environments - from workplaces and conference rooms, to auditoriums and multipurpose rooms - helps to increase productivity and creating the proper ambiance.

Our wide array of LED lighting products can light every corner of your commercial space. Achieve general illumination with our LED Edge-Lit Panel, Center Basket Troffer and Recessed, highlight small spaces with our LED undercabinet solutions, create spot lighting with small aperture lomite downlights, LED Rail or Track, and illuminate exit paths with our LED exit signs. Whatever the task is, Nora can be used to illuminate it.



Residential

Lighting is a subtle tool with the power to transform any home. While it serves a functional purpose, it also is used to create the mood and atmosphere in every room of the home. Given its importance, lighting is also a significant portion of a homeowner's energy cost and maintenance time.

LED luminaries reduce both the cost and maintenance required to keep the home warm and well-lit. Whether you are illuminating artwork, decorative coves, kitchen counters, bathrooms, or bedrooms, our family of LED products can make any home shine.



Healthcare and Educational

Light has an incredible effect on people – both biologically and emotionally. Used effectively in healthcare and educational facilities, it can enhance a student, patient, or physicians experience and play a key role in promoting well-being, focus, and learning. Lighting optimizes the healing and learning experience. This said, lighting is also a major expense for these institutions where budgets are extremely tight. This makes LED lighting an ideal source of light for healthcare and educational facilities.



Color Temperature

Color temperature is measured in Kelvin and represents whether a light source appears warm (1800K to 2800K), neutral (3000K to 3500K), or cool (4000K and up). While the Kelvin rating does not relate to the quality of light, color temperature is closely related to the visual comfort of a given space.

Nora Lighting's LED luminaires offer several possibilities in terms of color temperature, ranging from 2700K to 5000K.



2700K Warm Color

Warm temperatures most closely resemble a standard incandescent lamp. The warm temperature enhances reds and oranges and is considered the most comfortable light. Warm light is very popular in general or dining areas. 2700K is most flattering to skin tones. As a reference, 2700K is a typical incandescent lamp at full brightness, while 1800K is a warm candle glow. See Nora's Comfort Dim for the best of warm temperature dimming.

2700K is available on all downlights as well as cylinders, MLS, LEDUR, Silk, Bravo FROST and Tape lights.



3000K - 3500K Neutral Color

Neutral temperatures cover the middle range of the Kelvin scale. 3000K is the most popular temperature choice in most general commercial areas and the first choice in residential applications, as warm temperatures make spaces more comfortable and people more relaxed. 3000K is comparable to the warmth of halogen sources while 3500K is a little cooler with greater enhancement of blues and greens.

3000K is available on Sapphire, Marquise, Lolite, Cobalt, Onyx and Opal Series downlights as well as LEDUR, Silk, Bravo FROST, Tape lights, Track, Rail, LED Panels, Troffers and Step Lights.

3500K is available on Sapphire and Marquise, Lolite and Cobalt downlights and LED Panels and Troffers.



4000K - 5000K Cool Color

Cool temperatures most closely resembles daylight and are known to illuminate objects with sharper definition. This light is ideal for offices and classrooms, where cooler temperatures make reading easier, and for jewelry stores, where the cool light helps bring out the shine in diamonds and gems.

4000K is available on Sapphire, Marquise, Lolite, Cobalt, Onyx and Opal Series downlights as well as LEDUR, Silk, Bravo FROST, Tape lights, Track, Rail, LED Panels and Troffers.

5000K is available on Lolite, Onyx and Opal families, as well as our lay-in family of lights.

Understanding CRI

In general terms, Color Rendering Index (CRI), is a measure of how accurately an artificial light source displays colors. CRI is measured by comparing the appearance of a colored object under an artificial light source to its appearance under incandescent light or sunlight.

CRI is rated on a scale from 1-100. The higher the CRI, the better the artificial light source renders colors accurately. CRI is independent of color temperature or Kelvin. An LED with a color temperature of 3000K can have a CRI of 80+ or 90+.

CRI has become a critical determinate in the quality of LED light. CRI ratings of 80+ are generally considered good and are required for ENERGY STAR certification. CRI ratings of 90+ are considered excellent and are a requirement of the Title 24 code.

In addition to Nora's LED tape and LED Lightbar the entire series of LED recessed downlights feature a 90+ CRI. Look for the logo to identify all 90+ CRI products in this guide.



CRI = 90



CRI = 80



CRI = 51

LED Technology

Tunable White (Selectable CCT)

Nora is proud to support a growing line of Tunable White fixtures. With Tunable White technology, end users have the power to control/adjust the color temperature of their lights based on current needs/uses of a space. Tunable White fixtures can be kept at a warm 2700K for general use and adjusted to a cooler color temperature for cooking, for example.

Tunable White is available in Tape Light, LEDUR under cabinet, and PRISM Smart Retrofit downlight.

Comfort Dim (Dim to Warm)

Comfort Dim technology provides warm, rich light as the power is reduced. Comfort Dim color tunes the temperature from a bright color to a warm and romantic incandescent feel. Closely replicating a sunset, the LED changes kelvin temperature from cool white to warm white as the fixture is dimmed. Comfort Dim fixtures are a perfect solution for restaurants, cineplex, home theaters, multi-purpose event venues and other applications where the temperature and comfort of the light sets the mood.

Comfort Dim is available in Sapphire I, Marquise I, Cobalt Click, Lolite, Multiple Lighting Systems and Cylinders



LED TROFFERS

LED CENTER BASKET TROFFER

2X2, 1X4 AND 2X4 NEW CONSTRUCTION OR REMODEL



NPTCB-E22

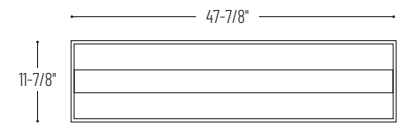
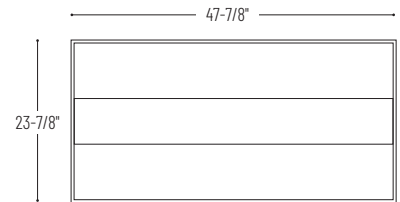
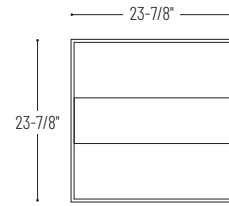


NPTCB-E24



NPTCB-E14

Architectural simplicity defined by curves and straight lines



LED CENTER BASKET TROFFER

| CATALOG NO. / LUMENS / WATTAGE | COLOR TEMP | FINISH | OPTION |
|--|------------------|----------------|---|
| NPTCB-E14 1' x 4' / 3600lm / 34W | /30 3000K | W White | EM Emergency Battery w/ Remote Test Switch |
| NPTCB-E22 2' x 2' / 3600lm / 34W | /35 3500K | | |
| NPTCB-E24 2' x 4' / 6100lm / 53W | /40 4000K | | |
| NPTCB-E24L40 2' x 4' / 4000lm / 37W | /50 5000K | | |

Example: **NPTCB-E22/35W** - 2' x 2' LED Center Basket Troffer, 3600lm / 34W, 3500K, White Finish

NSpec's energy-efficient and economical Center Basket LED Troffer produces an incredible amount of smooth and uniform general lighting. The fixtures include a diffused, removeable lens, a hinged access plate with LED board and built-in earthquake clips. The shallow housing design and easy access wiring plate make the Center Basket Troffer a quick installation. Ideal for use in task areas where general illumination is desired such as offices, schools, conference rooms, libraries, retail, hospitals and others.

LIGHTING TIP

Nora offers LED Edge-Lit Flat Panels and Center Basket Troffers. Use Center Basket Troffers in featured areas such as lobbies, meeting rooms and work centers to create an architectural element. Use Edge-Lit Flat Panels in areas such as lunch rooms, back halls, restrooms, accounting areas, labs, gyms or residentially in closets, pantries, laundry rooms, crafts room or frame in as skylight.

DESIGN PERFORMANCE FEATURES:

- Available in 2' x 2', 1' x 4' and 2' x 4' configurations
- Four CCT options: 3000K, 3500K, 4000K and 5000K
- 2' x 2' - 34W / 3600 Lumens
- 1' x 4' - 34W / 3600 Lumens
- 2' x 4' - 37W / 4000 Lumens or 53W / 6100 Lumens
- Optional emergency battery backup
- Removeable diffused lens evenly distributes light and maximizes performance
- Two replaceable LED Strips with tightly spaced diodes eliminate diode image
- Enclosed driver compartment easily accessible from below via hinged LED platform
- Built-in earthquake clips
- Dimmable with compatible 0-10V dimmer
- 100-277V
- 5-Year limited warranty
- cULus Listed for Damp Location
- DLC listed



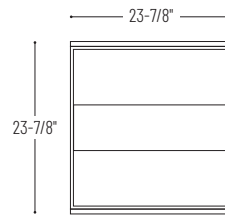
LED CENTER BASKET RETROFIT TROFFER

RETROFIT 2X2 AND 2X4

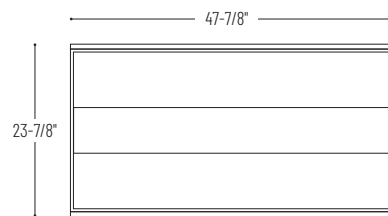
Patent No. 9,206,948



NPTR ECB-E22



NPTR ECB-E24



LED CENTER BASKET RETROFIT TROFFER

| CATALOG NO. / LUMENS / WATTAGE | COLOR TEMP | FINISH |
|---|------------------|----------------|
| NPTR ECB-E22L30 2' x 2' / 3000lm / 30W | /35 3500K | W White |
| NPTR ECB-E24L40 2' x 4' / 4000lm / 40W | /40 4000K | |

Example: **NPTR ECB-E22L30/35W** - 2' x 2' LED Center Basket Retrofit Troffer, 3000lm / 30W, 3500K, White Finish

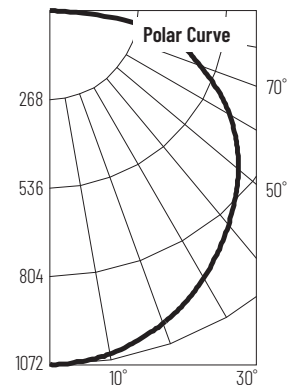
Specification grade LED center basket troffers provide smooth and uniform general lighting for commercial and industrial applications. Upgrade old fluorescents quickly and without a mess. Luminaires are 120V/277V input with 0-10V dimming, multiple sizes, and a range of kelvin temperatures. The fixtures include a diffused, removeable lens, a hinged access plate with LED board. The patented retrofit design allows for installation in existing troffers, sometimes in less than 3 minutes. The shallow housing will retrofit parabolic and lensed door fixtures and requires no access to above. Ideal for use in task areas where general illumination is desired such as offices, schools, conference rooms, libraries, retail, hospitals and others.

RETROFIT INSTALLATION

1. Disconnect power to existing fixture
2. Remove existing lens/louwer, lamps and ballast
3. Slide brackets into place under existing troffer (no tools needed)
4. Hang new Nora Center Basket Troffer by its hinges and rewire
5. Close the retrofit assembly and secure the latches
6. Reconnect main power

DESIGN PERFORMANCE FEATURES:

- Quickly retrofit existing fluorescent troffers without above-ceiling access
- 3500K or 4000K at 85 CRI
- 3000lm (2' x 2') or 4000lm (2' x 4')
- Fits most 2' x 2' and 2' x 4' troffers
- Patented design utilizes existing troffer housings
- No disposal fee or taping off work areas - creates no mess
- High efficiency - complete unitized body, reflector and lens
- Dimmable with compatible 0-10V dimmer
- 100-277V
- 5-Year limited warranty
- cULus Listed for Damp Location
- DLC listed







LED PANELS

LED PANELS

2X2, 1X4 AND 2X4 RECESSED, SURFACE OR PENDANT MOUNT



LED PANELS

| LED TYPE / SIZE / LUMENS / WATTAGE | TEMP | FINISH | EMERGENCY |
|--|--|---|---|
| NPD-E22 Edge-Lit / 2' x 2' / 3500lm / 35W | /30 3000K | A4HL Aluminum* (Consult factory for white finish) | EM Emergency with Remote Test Switch |
| NPD-E14 Edge-Lit / 1' x 4' / 3500lm / 34W | /35 3500K | | |
| NPD-E24 Edge-Lit / 2' x 4' / 5000lm / 45W | /40 4000K /50 5000K | | |
| NPDBL-E22 Back-Lit / 2' x 2' / 3300lm / 30W | /345 Tunable White (3500K/4000K/5000K) | W White | EM Emergency with Remote Test Switch |
| NPDBL-E14 Back-Lit / 1' x 4' / 3300lm / 30W | | | |
| NPDBL-E24 Back-Lit / 2' x 4' / 4950lm / 45W | | | |

Example: **NPD-E22/40A4HL** - 2' x 2' LED Edge-Lit Panel, 3500lm / 35W, 4000K, Aluminum Finish

Edge-Lit Panels feature an opalescent lens that produces a luminous glow without glare. The panels effectively illuminate an area with ambient upper light while also projecting foot candles to work surface. The LED panels are energy efficient choices for offices, retail stores, conference rooms, libraries, high-end homes, and other areas where over all even illumination is required.

LIGHTING TIP

While typically thought of as a commercial product, LED panels are an excellent choice for general lighting in residential applications. LED Panels are well suited to areas such as master closets, pantries, home gyms, and laundry, kitchen, bathroom or craft rooms or recessed to simulate a skylight.

DESIGN PERFORMANCE FEATURES:

- Available in 2' x 2', 1' x 4' and 2' x 4' configurations
- Diffused matte white opalescent lens
- Dedicated Color Temperatures or Tunable CCT
- Edge-Lit or Back-Lit LED Technology
- Sealed optics- no maintenance
- Replaces 2' x 2', 1' x 4' or 2' x 4' ceiling panel for easy installation
- Aluminum or White frame
- Mounting kits available for pendant, surface or recessed hard ceiling
- Dimmable down to 5% with compatible 0-10V dimmer
- L70 at 50,000 hours
- 5-Year limited warranty
- cULus Listed for Damp Location (NPD)
- cETLus Listed for Damp Location (NPDBL)
- DLC Listed



LED PANELS ACCESSORIES



Surface Mounting Frame for LED Panels

| | |
|--------------------|--------------------------|
| NPD-14DFK/A | 1' x 4', Aluminum finish |
| NPD-14DFK/W | 1' x 4', White finish |
| NPD-22DFK/A | 2' x 2', Aluminum finish |
| NPD-22DFK/W | 2' x 2', White finish |
| NPD-24DFK/A | 2' x 4', Aluminum finish |
| NPD-24DFK/W | 2' x 4', White finish |

Clean sharp edges in a natural aluminum or white finish. Frame mounts over an existing junction box and panel slides into place. Surface frame extends only 2.5" from the ceiling. May be used with NPD-PK pendant kit.



Recessed Mounting Kit for LED Panels and Center Basket Troffers

| | |
|--------------------|-----------------------|
| NPD-14RFK/W | 1' x 4', White flange |
| NPD-22RFK/W | 2' x 2', White flange |
| NPD-24RFK/W | 2' x 4', White flange |

The white finished flange kit consist of four pieces. The assembled frame installs into a hard ceiling. The LED panel or center basket troffer lifts and shifts in the frame ending in a finished flush appearance.



Universal Pendant Mounting Kit for LED Panels

NPD-PK Includes canopy, cords and cables

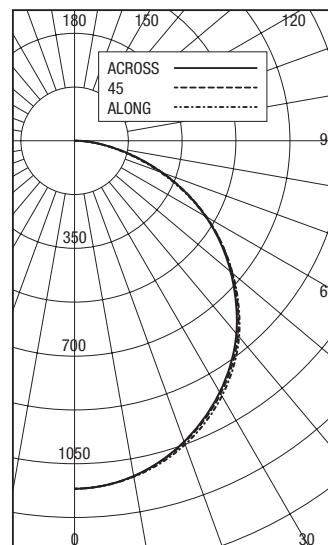
Allows LED panel to be suspended as a pendant. Brushed aluminum finished canopy has four hanging points for 2x2 unit and six for 1x4 and 2x4 units. Grip lock fasteners allow field adjustment of cables from 12" to 96". Canopy includes an 8' power cord that can be shortened in the field. Pendant kit may be used with surface frame as shown above.

PHOTOMETRICS

APPLICATION REFERENCE
2' x 2' Edge-Lit Panel vs 2' x 4' Edge-Lit Panel
Based on 50' x 40' and 9' Ceiling

| O.C Spacing | Lumens | Wattage | LPW | w/sq.ft. | Average FC | No. of Fixtures |
|-------------|--------|---------|-----|----------|------------|-----------------|
| 8 x 8 | 3540 | 33 | 107 | 0.49 | 52 | 30 |
| | 5294 | 50 | 106 | 0.74 | 78 | 30 |
| 8 x 10 | 3540 | 33 | 107 | 0.41 | 43 | 25 |
| | 5294 | 50 | 106 | 0.62 | 65 | 25 |
| 10 x 10 | 3540 | 33 | 107 | 0.33 | 35 | 20 |
| | 5294 | 50 | 106 | 0.5 | 52 | 20 |
| 10 x 12 | 3540 | 33 | 107 | 0.26 | 28 | 16 |
| | 5294 | 50 | 106 | 0.4 | 41 | 16 |

Based on: 9' MTG HT, 2.5' AFF, 80/50/20 REF. + initial FC.



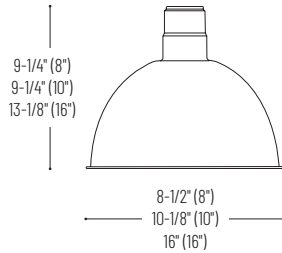




RLM SHADES

RLM SHADES

1000LM TO 3800LM 8", 10" & 16"



NRLM-8C
8" RLM



NRLM-10C
10" RLM



NRLM-16C
16" RLM

8", 10" OR 16" RLM SHADES

| SHADE DIAMETER | LUMENS / WATTAGE | COLOR TEMP / CRI | SHADE FINISH | DRIVER |
|---------------------|------------------------|--|--|---|
| NRLM-8C 8" | 10 1000lm / 15W | 30 3000K / 90 CRI 35 3500K / 90 CRI 40 4000K / 90 CRI | BW Black Outer / White Inner GMW Gun Metal Outer / White Inner WW White Outer / White Inner | LE4 120-277V Input; Triac / ELV / 0-10V dimming |
| | 18 1800lm / 30W | | | |
| NRLM-10C 10" | 20 2000lm / 23W | | | |
| | 30 3000lm / 36W | | | |
| NRLM-16C 16" | 25 2500lm / 27W | | | |
| | 38 3800lm / 48W | | | |

Example: **NRLM-16C2535BWLE4**- 16" RLM Shade, Pendant Mounted, 2500lm / 27W, 3500K, Black Outer / White Inner Finish, 120-277V input

A beautiful timeless aluminum spun shade fits many decors. The LED optics are deep set in the bowl for even distribution and visual comfort.

ELECTRICAL:

Voltage: 120-277V

Lumens / Wattage:

8" - 1000lm / 15W, 1800lm / 30W

10" - 2000lm / 23W, 3000lm / 36W

16" - 2500lm / 27W, 3800lm / 48W

Color Rendering Index: 90+ CRI

Color Temperature: 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION:

Heavy duty spun aluminum alloy, suitable for residential and commercial LED lighting needs. Integral driver in shade allows for minimal canopy size.

INSTALLATION:

96" pendant cord with minimal canopy size. Field adjustable cord can be shortened to desired length.

FINISH:

Outer shade finishes include black, gun metal or white. Inner shade reflector is white.

LISTING & WARRANTY:

- cULus Listed for Damp Location
- 5-Year Limited Warranty
- ENERGY STAR® certified



PHOTOMETRICS

Test Number: 12311299.07

Part Number: NRLM-16C3830WW

Lumens: 4086lm

Wattage: 46.1W

Efficacy: 89lpw

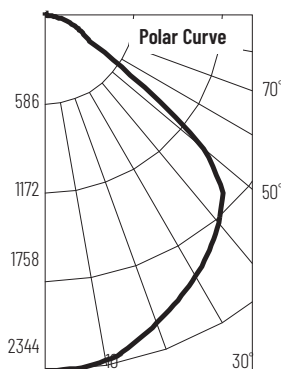
CCT / CRI: 3000K / 90 CRI

Spacing Criteria (0°-180°): 0.98

Spacing Criteria (90°-270°): 0.98

ILLUMINANCE AT A DISTANCE

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 65.1fc | 12'-6" |
| 9' | 28.9fc | 18'-10" |
| 12' | 16.3fc | 25'-1" |
| 15' | 10.4fc | 31'-4" |
| 18' | 7.2fc | 37'-7" |



Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2344 |
| 5 | 2215 |
| 15 | 1810 |
| 25 | 1633 |
| 35 | 1471 |
| 45 | 1266 |

Zonal Lumen Summary

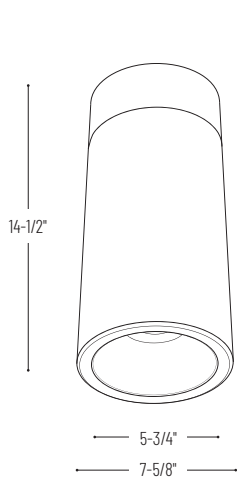
| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1468 | 35.9 |
| 0-40 | 2390 | 58.5 |
| 0-60 | 3659 | 89.5 |
| 0-90 | 4085 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 4086 | 100 |



CYLINDERS

LED CYLINDER

SMART RGBW COLOR CHANGING 6" PRISM CYLINDER



Cable Mount



Pendant Stem Mount



Surface Mount



Wall Mount

Smart RGBW to control with a smartphone or remote!

FOUR MOUNTING STYLES



6" SMART RGBW COLOR CHANGING PRISM CYLINDER

| FAMILY | MOUNTING | LUMENS / WATTAGE | REFLECTOR TYPE | COLOR TEMPERATURE | REFLECTOR/FLANGE FINISH | CYL. FINISH | INPUT VOLTAGE | CABLE |
|---------------|-----------------------|-----------------------|---------------------------------------|---------------------------------|--|----------------------------------|---------------|---|
| NYLP-6 | C Cable | 08 800lm / 13W | 1 Reflector 2 Baffle | PR 2700K to 4000K & RGBW | BB¹ Black/Black HZW¹ Haze/White BZ Bronze/Bronze WW White/White | B Black W White | (blank) 120V | AC Aircraft Cable (for Cable Mount only) |
| | P Pendant Stem | | | | | | | |
| | S Surface | | | | | | | |
| | W Wall Mount | | | | | | | |
| | | | | | ¹ Reflector only | | | |

Example: **NYLP-6P081PRWWW** - 6" PRISM Smart LED Cylinder, Pendant Mounted, 800lm / 13W, White Reflector / White Flange, White Cylinder

Architectural grade LED Cylinder with Bluetooth technology built-in. Smart RGBW LED allows end user to change the color temperature from 2700K to 4000K with the touch of a button, or choose any color on the spectrum by smartphone with ControlLIT™ app. For more details about Smart RGBW and control options, see page 128.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 800lm / 13W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K or thousands of RGBW color possibilities.

Dimming: Accomplished through smartphone, hand-held remote or wall switch. Nora recommends removing existing dimmers that control a circuit in which cylinder is to be installed.

CONSTRUCTION:

Cylinder Cap: High quality 0.040" steel cap with universal slots to allow for surface mounting over a junction box. Incorporates thread in the center to accept pendant rods or cable mounting. Three screws on the bottom of cap secure cylinder body to cylinder cap. (Adjustable with flathead screw drive).

Cylinder Body: 0.040" steel cylindrical body with three keyhole slots allowing body to be installed to cylinder cap. Spring brackets accept torsion wing trim springs. Four butterfly clips also accommodate for spring-less trims.

ACCESSORIES:

Master remote control, zone remote control and decora wall switch are available on page 150.

INSTALLATION:

Cable Mount consists of center mounted aircraft cable and offset cable for power.

Stem Mount includes canopy and 7" (consisting of three 12" and two 24" pieces) internally threaded rods.

Surface Mount and Wall Mount supplied with hardware to mount directly to junction box.

Quick Connector: The reflector LED module installs into the Cylinder body with supplied quick connector.

LISTING & WARRANTY:

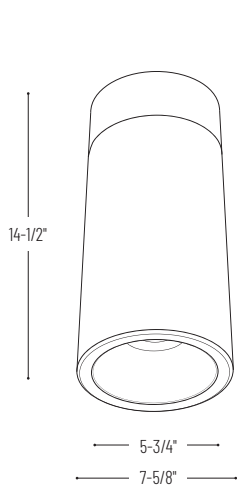
- cULus Listed for Wet Location (wall mount only)
- cULus Listed for Damp Location
- 5-Year Limited Warranty





LED CYLINDER

COMFORT DIM LED 6" SAPPHIRE I CYLINDER



Cable Mount



Pendant Stem Mount



Surface Mount



Wall Mount 

FOUR MOUNTING STYLES

6" COMFORT DIM SAPPHIRE I CYLINDER

| FAMILY | MOUNTING | LUMENS | REFLECTOR TYPE | COLOR TEMP | REFLECTOR / FLANGE FINISH | FINISH | DIMMING | CABLE |
|---------------|-----------------------|-----------------|-----------------------------------|---------------------------------|---------------------------------------|----------------------------------|---|---|
| NYLS-6 | C Cable | 8 850lm | 1 Reflector | CD Comfort Dim (27K-18K) | BB Black/Black Flange | B Black W White | 1 120V ELV (850-1250lm) 120V 0-10V (2000-3000lm) 2 277V 0-10V 4 120V ELV (2000-3000lm) 120V 0-10V (850-1250lm) | AC Aircraft Cable (for Cable Mount only) |
| | P Pendant Stem | 1 1250lm | 8 Reflector for Deco Glass | | BW Black/White Flange | | | |
| | S Surface | 2 2000lm | | | DB Diffused Clear/Black Flange | | | |
| | W Wall Mount | 3 3000lm | | | DD Diffused Clear/Diffused Fl. | | | |
| | | | | | DW Diffused Clear/White Flange | | | |
| | | | | | HB Haze/Black Flange | | | |
| | | | | | HW Haze/White Flange | | | |
| | | | | | HZ Haze/Haze Flange | | | |
| | | | | | WW White/White Flange | | | |

Example: **NYLS-6C81CDHBB1AC** - 6" Sapphire I LED Cylinder, Cable Mounted, 850lm, Comfort Dim 2700K to 1800K, Haze Reflector / Black Flange, Black Cylinder, Aircraft Cable

Architectural grade LED High Lumen Cylinder Downlights featuring deep cone reflectors. Over a thousand options available while utilizing Comfort Dim technology.

ELECTRICAL:

Voltage: 120V, 277V, 120-277V

Lumens / Wattage:

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve.

CONSTRUCTION:

Cylinder Cap: High quality 0.040" steel cap with universal slots to allow for surface mounting over a junction box. Incorporates thread in the center to accept pendant rods or cable mounting. Three screws on the bottom of cap secure cylinder body to cylinder cap. (Adjustable with flathead screw drive).

Cylinder Body: 0.040" steel cylindrical body with three keyhole slots allowing body to be installed to cylinder cap. Spring brackets accept torsion wing trim springs. Four butterfly clips also accommodate for spring-less trims.

INSTALLATION:

Cable Mount consists of center mounted aircraft cable and offset cable (5-wire) for power and dimming.

Stem Mount includes canopy and 7" (consisting of three 12" and two 24" pieces) internally threaded rods. 0-10V dimming spec will include a separate offset cable (2-wire).

Surface Mount and Wall Mount supplied with hardware to mount directly over junction box.

Quick Connector: The reflector LED module installs into the Cylinder body with supplied quick connector.

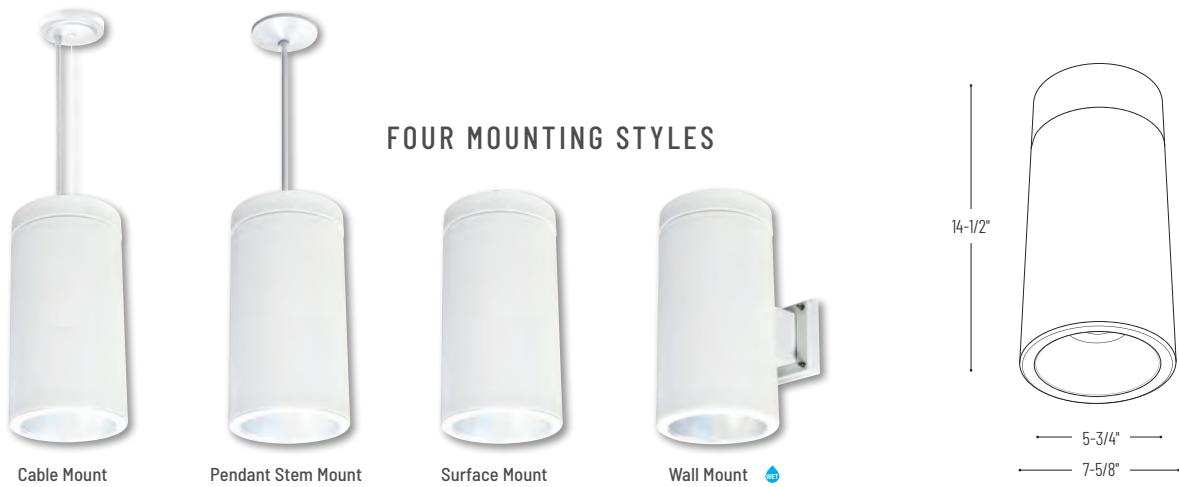
LISTING & WARRANTY:

- cULus Listed for Wet Location (wall mount only)
- cULus Listed for Damp Location
- 5-Year Limited Warranty



LED CYLINDER

6" ONYX CYLINDER 750LM OR 1100LM



6" 750LM OR 1100LM ONYX CYLINDER

| FAMILY | MOUNTING | LUMENS / WATTAGE | REFLECTOR TYPE | COLOR TEMP | REFLECTOR/FLANGE FINISH | CYL. FINISH | CABLE |
|--------|--|----------------------------|---------------------------------------|---|---|----------------------------------|--|
| NYLO-6 | C Cable P Pendant Stem S Surface W Wall Mount | AC075 750lm / 12.5W | 1 Reflector 2 Baffle | 27 2700K 30 3000K 35 3500K 40 4000K 50 5000K | WW White / White | B Black W White | AC Aircraft Cable (for Cable Mount only) |
| | | TW11 1100lm / 11.5W | | (blank) Tunable 2700K, 3000K, 3500K, 4000K, 5000K | BB¹ Black / Black WW White / White ¹ Reflector only | B Black W White | AC Aircraft Cable (for Cable Mount only) |

Example: **NYLO-6PTW11BBB** - 6" Onyx Tunable White Cylinder, Pendant Mounted, 1100lm / 11.5W, Selectable CCT, Black Reflector / Black Flange, Black Cylinder

Architectural grade LED Cylinder with deep set optics featuring a reflector or baffle cone for optimal visual comfort. Utilizing Samsung family of LED arrays, giving bright spectacular light output and low power consumption. Onyx cylinder is available in a selectable CCT luminaire with integral driver or AC luminaire with no driver.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 750lm / 12.5W or 1100lm / 11.5W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K

Dimming: Triac or ELV

CONSTRUCTION:

Cylinder Cap: High quality 0.040" steel cap with universal slots to allow for surface mounting over a junction box. Incorporates thread in the center to accept pendant rods or cable mounting. Three screws on the bottom of cap secure cylinder body to cylinder cap. (Adjustable with flathead screw drive).

Cylinder Body: 0.040" steel cylindrical body with three keyhole slots allowing body to be installed to cylinder cap. Spring brackets accept torsion wing trim springs. Four butterfly clips also accommodate for spring-less trims.

INSTALLATION:

Cable Mount consists of center mounted aircraft cable and offset cable for power and dimming.

Stem Mount includes canopy and 7 (consisting of three 12" and two 24" pieces) internally threaded rods.

Surface Mount and Wall Mount supplied with hardware to mount directly to junction box.

Quick Connector: LED module installs into the Cylinder body with supplied quick connector.

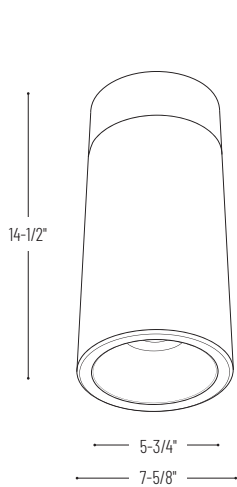
LISTING & WARRANTY:

- cULus Listed for Wet Location (wall mount only)
- cULus Listed for Damp Location
- 5-Year Limited Warranty



LED CYLINDER

SPECIFIABLE BEAM SPREAD 6" SAPPHIRE II CYLINDER



Cable Mount




Pendant Stem Mount



Surface Mount



Wall Mount 

FOUR MOUNTING STYLES

6" SPECIFIABLE BEAM SPREAD SAPPHIRE II CYLINDER

| FAMILY | MOUNTING | LUMENS | REFLECTOR TYPE | COLOR TEMP | BEAM SPREAD | REFLECTOR / FLANGE FINISH | FINISH | DIMMING | CABLE |
|----------------|-----------------------|------------------|--------------------------------------|-----------------|-----------------|---|----------------|--|--|
| NYLS2-6 | C Cable | 09 900lm | 1 Reflector | 27 2700K | S Spot | BB Black/Black Flange | B Black | 3 120V Triac/ELV/0-10V 6 120-277V 0-10V | AC Aircraft Cable (for Cable Mount only) |
| | P Pendant Stem | 15 1500lm | 8 Reflector for Deco Glass | 30 3000K | M Medium | BW Black/White Flange | W White | | |
| | S Surface | 25 2500lm | | 35 3500K | F Flood | DB Diffused Clear/Black Fl. | | | |
| | W Wall Mount | 35 3500lm | | 40 4000K | | DD Diffused Clear/Diffused Fl. DW Diffused Clear/White Fl. HB Haze/Black Flange HW Haze/White Flange HZ Haze/Haze Flange WW White/White Flange | | | |

Example: **NYLS2-6C25127SHBB6AC** - 6" Sapphire II LED Cylinder, Cable Mounted, 2500lm, 2700K, Spot Beam Spread, Haze Reflector / Black Flange, Black Cylinder, Aircraft Cable

Architectural grade LED High Lumen Cylinder Downlights with specifiable beam spreads for variable ceiling heights. Utilizing the latest COB technology by Cree®, the COB allows for better optic control and uniformity.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

900lm / 15W, 1500lm / 18W,
2500lm / 30W, 3500lm / 46W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION:

Cylinder Cap: High quality 0.040" steel cap with universal slots to allow for surface mounting over a junction box. Incorporates thread in the center to accept pendant rods or cable mounting. Three screws on the bottom of cap secure cylinder body to cylinder cap. (Adjustable with flathead screw drive).

Cylinder Body: 0.040" steel cylindrical body with three keyhole slots allowing body to be installed to cylinder cap. Spring brackets accept torsion wing trim springs. Four butterfly clips also accommodate for spring-less trims.

INSTALLATION:

Cable Mount consists of center mounted aircraft cable and offset cable (5-wire) for power and dimming.

Stem Mount includes canopy and 7 (consisting of three 12" and two 24" pieces) internally threaded rods. 0-10V dimming spec will include a separate offset cable (2-wire).

Surface Mount and Wall Mount supplied with hardware to mount directly over junction box.

Quick Connector: The reflector LED module installs into the Cylinder body with supplied quick connector.

LISTING & WARRANTY:

- cULus Listed for Wet Location (wall mount only)
- cULus Listed for Damp Location
- 5-Year Limited Warranty



LED CYLINDER

6" COBALT CYLINDER 750LM OR 1000LM



Cable Mount



Pendant Stem Mount

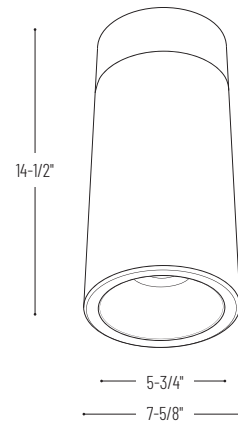


Surface Mount



Wall Mount

FOUR MOUNTING STYLES



6" 750LM OR 1000LM COBALT CYLINDER

| FAMILY | MOUNTING | LUMENS / WATTAGE | REFLECTOR TYPE | COLOR TEMP | REFLECTOR/FLANGE FINISH | CYL. FINISH | DIM OPTION | CABLE |
|----------------|-----------------------|--|---------------------------------------|--|--|----------------------------------|---|--|
| NYLD2-6 | C Cable | 075 750lm / 10W 10 1000lm / 12W | 1 Reflector 2 Baffle | 27 2700K 30 3000K 35 3500K 40 4000K | BB Black/Black BW Black/White BZ Bronze/Bronze CO ¹ Copper/Copper DB ¹ Diffused Clear/Black DW ¹ Diffused Clear/White HZW ¹ Haze/White MPW Matte Powder White NN Nat. Metal/Nat. Metal WW White/White | B Black W White | (blank) 120V Triac/ELV 2 277V Non-Dim 4 120V Triac/ELV0-10V 277 0-10V | AC Aircraft Cable (for Cable Mount only) |
| | P Pendant Stem | | | | | | | |
| | S Surface | | | | | | | |
| | W Wall Mount | | | | | | | |

Example: **NYLD2-6P10130WWW** - 6" Cobalt Cylinder, Pendant Mounted, 1000lm / 12W, 3000K, White Reflector / White Flange, White Cylinder

Architectural grade LED Cylinder with deep set optics featuring a reflector or baffle cone for optimal visual comfort. Utilizing Cree® COB technology and multiple mounting options.

ELECTRICAL:

Voltage: 120V, 277V or 120-277V

Lumens / Wattage: 750lm / 10W or 1000lm / 12W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V (must specify)

CONSTRUCTION:

Cylinder Cap: High quality 0.040" steel cap with universal slots to allow for surface mounting over a junction box. Incorporates thread in the center to accept pendant rods or cable mounting. Three screws on the bottom of cap secure cylinder body to cylinder cap. (Adjustable with flathead screw drive).

Cylinder Body: 0.040" steel cylindrical body with three keyhole slots allowing body to be installed to cylinder cap. Spring brackets accept torsion wing trim springs. Four butterfly clips also accommodate for spring-less trims.

INSTALLATION:

Cable Mount consists of center mounted aircraft cable and offset cable (5-wire) for power and dimming.

Stem Mount includes canopy and 7" (consisting of three 12" and two 24" pieces) internally threaded rods. 0-10V dimming spec will include a separate offset cable (2-wire).

Surface Mount and Wall Mount supplied with hardware to mount directly to junction box.

Quick Connector: The reflector LED module installs into the Cylinder body with supplied quick connector.

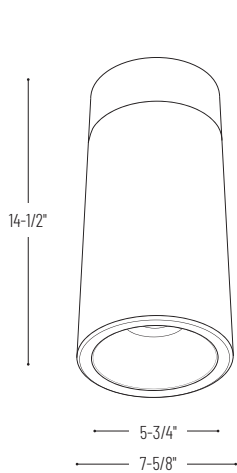
LISTING & WARRANTY:

- cULus Listed for Wet Location (wall mount only)
- cULus Listed for Damp Location
- 5-Year Limited Warranty



LED CYLINDER

MEDIUM BASED INCANDESCENT / LED 6" CYLINDER



Cable Mount



Pendant Stem Mount



Surface Mount



Wall Mount 

FOUR MOUNTING STYLES

6" INCANDESCENT MEDIUM BASE LED COMPATIBLE

| FAMILY | MOUNTING | LAMP SOURCE | REFLECTOR TYPE / FINISH | CYL. FINISH | CABLE |
|---------------|-----------------------|--|--|----------------------------------|--|
| NYLI-6 | C Cable | I Incandescent (300W Max PAR Lamp) L(XX) LED Specific (Labeled with lower max. wattage for LED lamps) | 1BB Black Reflector / Black Flange 1WW White Reflector / White Flange 2BB Black Baffle / Black Flange 2WW White Baffle / White Flange | B Black W White | AC Aircraft Cable (for Cable Mount only) |
| | P Pendant Stem | | | | |
| | S Surface | | | | |
| | W Wall Mount | | | | |

Example: **NYLI-6SL201WWW** - 6" Surface Mounted Cylinder, Medium Base, Labeled as 20W max, White Reflector / White Flange, White Cylinder

Architectural grade LED Cylinder with medium base socket attached to deep reflector or baffled cone for optimal visual comfort. 2-piece cylinder allows for easy installation. Use with Incandescent BR/PAR lamps or with energy efficient long life LED lamps.

ELECTRICAL:

Input Voltage: 120V

Socket: Medium Base

Lamp: R/BR/PAR LED or Incandescent (not included)

Wattage: 300W max. or labeled for reduced wattage

Dimming: Varies depending on lamp

CONSTRUCTION:

Cylinder Cap: High quality 0.040" steel cap with universal slots to allow for surface mounting over a junction box. Incorporates thread in the center to accept pendant rods or cable mounting. Three screws on the bottom of cap secure cylinder body to cylinder cap. (Adjustable with flathead screw drive).

Cylinder Body: 0.040" steel cylindrical body with three keyhole slots allowing body to be installed to cylinder cap. Spring brackets accept torsion wing trim springs. Four butterfly clips also accommodate for spring-less trims.

INSTALLATION:

Cable Mount consists of center mounted aircraft cable and offset cable for power.

Stem Mount includes canopy and 7 (consisting of three 12" and two 24" pieces) internally threaded rods.

Surface Mount and Wall Mount supplied with hardware to mount directly to junction box.

Quick Connector: The reflector socket assembly installs into the Cylinder body with supplied quick connector.

LISTING & WARRANTY:

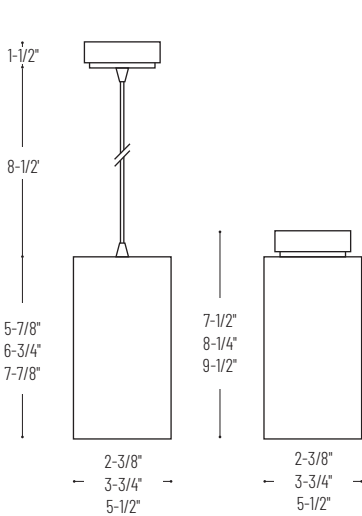
- cULus Listed for Wet Location (wall mount only)
- cULus Listed for Damp Location
- 5-Year Limited Warranty





LED MINI CYLINDER

1000LM TO 2000LM iLENE LED



iLENE LED MINI CYLINDER

| CATALOG NO. | MOUNTING | COLOR TEMP | FINISH | DRIVER OPTIONS |
|--------------------------------------|---|-----------------------|--|--|
| NYLM-2 2" | C Cable Pendant SC Surface | 27X 2700K | BB/A Black | LE3 120V input; Triac/ELV dimming |
| | | 30X 3000K | CHCH/A Champagne Haze | |
| | | 35X 3500K | SS/A Silver | |
| | | 40X 4000K | WW/A White | |
| NYLM-3 3" NYLM-5 5" | | CD Comfort Dim | BB Black SS Silver WW White | LE4 120V input; Triac/ELV or 0-10V dimming 277V input; 0-10V dimming |

Example: **NYLM-3C30XBBLE4** - 3" iLENE LED Mini Cylinder Pendant, 3000K, Black Finish, 120V Triac/ELV or 0-10V Dimming

iLENE Series of dedicated LED Mini Cylinders are available in three sizes and outputs, with pendant or surface mount options. Using Cree COB technology, the iLENE produces 90+ CRI with excellent cut-off for visual comfort. Each cylinder includes three field-changeable optics for spot, narrow flood and flood (installed) beam spreads.

ELECTRICAL:

Voltage: 120V (LE3) or 120/277V (LE4)

Lumens / Wattage:
(2") 1000lm / 14W, (3") 1500lm / 25W,
(5") 2000lm / 35W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K or Comfort Dim (3100K-2000K)

Dimming: Triac, ELV or 0-10V

OPTIC: Each iLENE Cylinder includes three field-changeable optics for spot, narrow flood and flood (installed) beam spread.

CONSTRUCTION:

Extruded aluminum cylinder with aluminum vented top. Driver is mounted in the canopy to dissipate heat away from the LED module and extend life expectancy.

INSTALLATION:

Mounting: Canopy mounts on a junction box. Cable pendant includes 8' field adjustable coax cable. (Driver located in canopy)

LISTING & WARRANTY:

- cULus Listed for Damp Location
- ENERGY STAR® certified
- 5-Year Limited Warranty



Translucent Deco Collar

| | |
|------------------------|----------------------------------|
| NIO-AS14(color) | 5/8" (15mm) depth, for 2" and 3" |
| NIO-AS19(color) | 3/4" (19mm) depth, for 2" and 3" |
| NIO-AS26(color) | 1" (24mm) depth, for 2" and 3" |

Color: BLU Blue; FR Frost; AM Amber; R Red

Translucent collars color the aperture with the specified color while producing white general light.



Opaque Collar Snoot

| | |
|------------------------|----------------------------------|
| NIO-AS14(color) | 5/8" (15mm) depth, for 2" and 3" |
| NIO-AS19(color) | 3/4" (19mm) depth, for 2" and 3" |
| NIO-AS26(color) | 1" (24mm) depth, for 2" and 3" |

Color: BLK Black; MPW Matte Powder White; WH White

Opaque snoot greatly reduces aperture brightness while preserving light output. (Note: Black snoot will reduce light).



Pendant Cone for 2" iLENE only

| | |
|--------------------------|---------------------------------|
| NYLM-2CONE(color) | 8" diameter / 4" height, for 2" |
|--------------------------|---------------------------------|

Color: BB Black/Black; BW Black/White;
CHB Champagne Haze/Black;
CHCH Champagne Haze/Champagne Haze; SS Silver/Silver
WB White/Black; WW White/White

Cone accessory for 2" iLENE cylinder



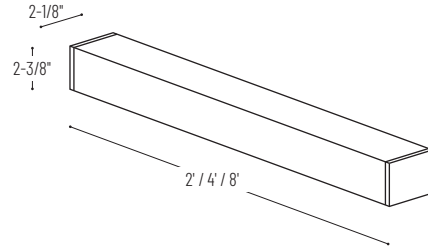
LINEAR

L-LINE SERIES

2', 4' AND 8' · 1050LM/FT LED LINEAR



shown with NLIN-PCCA
(pendant and power mounting kit)



1050LM/FT L-LINE LED LINEAR

| SERIES | LENGTH | LUMENS PER FOOT | COLOR TEMP | FINISH | DRIVER |
|---------------------|---------|-----------------|------------|------------|---------------------------------------|
| NLIN- L-Line Linear | 2 2 ft. | 10 1050lm/ft. | 30 3000K | A Aluminum | (blank) 120-277V Input; 0-10V dimming |
| | 4 4 ft. | | 35 3500K | | |
| | 8 8 ft. | | 40 4000K | | |

Example: **NLIN-81030A** - 8' L-Line LED Linear, 1050lm/ft., 3000K, Aluminum Finish, 120-277V input; 0-10V dimming

L-Line series offers a clean and modern appearance with a sleek extruded aluminum housing. Symmetrical light distribution will evenly illuminate surfaces with diffused lens, making the L-Line ideal for commercial, retail, healthcare and educational applications. Available in surface, pendant or recessed* mounting options. Series can be connected with seamless luminous L, X or T connectors.

ELECTRICAL:
Voltage: 120-277V
Lumens / Wattage:
 2' - 2100lm / 23W, 4' - 4200lm / 41W
 8' - 8400lm / 78W
Color Rendering Index: 80+ CRI
Color Temperature: 3000K, 3500K, 4000K
Dimming: 0-10V
Maximum Run Length: 80'

CONSTRUCTION:
 One piece extruded aluminum housing with solid end caps. Includes diffused polycarbonate lens for symmetrical light distribution.

INSTALLATION:
Mounting: Luminaires include an extruded slot for surface mounting, pendant mounting or stem mounting (consult spec sheet). Consult factory for recessed options

LISTING & WARRANTY:
 · cULus Listed for Damp Location
 · 5-Year Limited Warranty



NLIN-X



NLIN-L



NLIN-T



L-LINE LED LUMINOUS CONNECTORS

| CONNECTOR | LUMENS PER FOOT | COLOR TEMP | FINISH |
|--------------------|-----------------|------------|------------|
| NLIN-X X-Connector | 10 1050lm/ft. | 30 3000K | A Aluminum |
| NLIN-L L-Connector | | 35 3500K | |
| NLIN-T T-Connector | | 40 4000K | |

Example: **NLIN-L1030A** - L-Connector, 1050lm/ft., 3000K, Aluminum finish

ACCESSORIES:
 L-Line Connectors allow for continuous runs in multiple directions, without any gap of lighting. Each connector includes the same lumen intensity of each L-Line Linear, offered in the same kelvin temperature, for a seamless appearance.

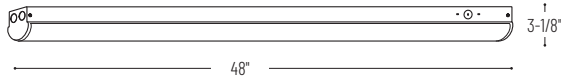
L-LINE MOUNTING KITS

| MOUNTING KIT | |
|----------------------|--|
| NLIN-PCCA | 8' Pendant and Power Mounting Kit (aircraft plus power cord canopy and aircraft canopy) |
| NLIN-PCCA/20' | 20' Pendant and Power Mounting Kit (aircraft plus power cord canopy and aircraft canopy) |
| NLIN-CCA | 8' Pendant Mounting Kit (aircraft canopy) |
| NLIN-CCA/20' | 20' Pendant Mounting Kit (aircraft canopy) |
| NLIN-JBCW | Junction Box Cover for Surface Mounting, white finish |



STRIP SERIES

4' · 3600LM LED LINEAR



3600LM LED STRIP LIGHT

| SERIES | LENGTH | LUMENS / WATTAGE | COLOR TEMP | FINISH |
|-------------------------------|----------------|------------------------|---|----------------|
| NLSTR- LED Strip Light | 4 4 ft. | 36 3600lm / 24W | 30 3000K 40 4000K 50 5000K | W White |

Example: **NLSTR-43640W** - 4' LED Linear Strip Lights, 3600lm / 24W, 4000K, White Finish

4' Industrial LED strip lights are ideal for commercial, residential, industrial and retail applications. The luminaire's lens is designed to evenly spread the light in a complete 120° beam pattern. The smooth lens makes for easy maintenance and no diode image. The NLSTR can be used in storage or utility buildings, coves, display cases, work shops and garages for task and general lighting.

ELECTRICAL:

Voltage: 120-277V
Lumens / Wattage: 3600lm / 24W
Color Rendering Index: 80+ CRI
Color Temperature: 3000K, 4000K or 5000K
Dimming: 0-10V

CONSTRUCTION:

Aluminum die stamped body. Finished in white powder coat. Top, end and side knockouts.

DROP LENS:

One piece lens wraps around to provide a wide distribution of light.

MOUNTING:

Luminaires can be wall mounted, surface mounted or suspension mounted with included hardware.

INCLUDED WITH EACH FIXTURE:

4' LED luminaire and aircraft cable suspension hanging kit.

LISTING & WARRANTY:

- cETLus Listed for Damp Location
- 5-Year Limited Warranty
- DLC Listed

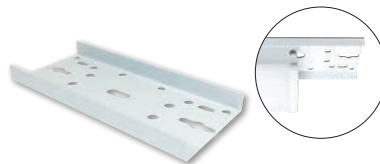


Surface Mount Brackets

NLSTRA-100W

Set of Two

Surface mount brackets are used to mount LED strip light to any surface. Luminaires easily snap-in to brackets. Set includes two white brackets.



Joiner Bracket

NLSTRA-105W

Joiner bracket is used when connecting two luminaires end-to-end. Luminaires screw into bracket to create a seamless appearance.



RECESSED

Recessed Lighting Applications

Designing the layout and placement of recessed lighting is as important to the type of lighting being specified.

Recessed lighting can be used to illuminate a general area consistently throughout the room, focus on a particular object, highlight artwork on the wall or accentuate wall textures.

AMBIENT LIGHTING

Lighting throughout a room which produces general illumination. Depending on ceiling height, different beam spreads can be used to create an even level of lighting. Nora Lighting offers a large variety of general recessed lighting from 1" to 8" apertures.



WALL WASH LIGHTING

Recessed lighting used to illuminate a wall or group of pictures placed on a wall. Wall washing luminaires are spaced the same distance between fixtures as the distance from the wall. This effect creates no scalloping and even illumination from ceiling to floor. Wall washing is an excellent effect to make a small space feel larger.

WALL GRAZING

Recessed lighting can be used to accentuate architectural textures and designs. Utilizing beam spreads to create precise cones of light and layers for grazing brick, stone, stucco or back splashes. Wall grazing luminaires are placed six to twelve inches from a wall with a spot or narrow flood beam spread to exaggerate the textural interest.



TASK / ACCENT LIGHTING

Recessed lighting can be used to add light to a task area or highlight a focal point. Task and accent lighting are usually 3 to 5 times brighter than ambient light. Lighting a focal point generally requires an adjustable recessed fixture. It is best to light artwork, sculptures, etc. at a 35° angle.

THE MOST COMPLETE LINE OF LED DOWNLIGHTS

ARCHITECTURAL · COMMERCIAL · RESIDENTIAL · RETROFIT

SAPPHIRE SERIES

Architectural and Commercial LED Downlights

Apertures: 4", 6" and 8"
Lumen Output: 850lm to 8000lm
Dedicated or Retrofit: Dedicated and 6" or 8" Retrofit

A high efficiency commercial series available with two different LED packages (Cree TrueWhite® or Cree COB) Sizes includes 4", 6" & 8" apertures up to 8000 lumen packages in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Featuring deep cone open reflectors, adjustable, wall wash or decorative glasses reflectors. Frame-in options include universal architectural/commercial, remodel or retrofit existing frame-ins.



QUARTZ SERIES

Tunable White and Tunable Wattage LED Downlights

Apertures: 4", 6" and 6"
Lumen Output: 500lm to 2900lm
Dedicated or Retrofit: Retrofit

Quartz Series is an architectural and commercial grade LED high lumen downlight. Each luminaire includes two tunable switches; Tunable Wattage allows the end user to determine the lumen output & Tunable White allows for selectable kelvin temperature. Producing up to 2900lm in 3000K, 3500K or 4000K in 4", 6" or 8" apertures. Snap-in reflectors allow for in-field adjustment and customization. Easily upgrade old commercial and architectural fixtures to LED technology with Quartz's included pre-wired junction box.



MARQUISE SERIES

IC Rated Commercial & High-End Residential LED

Apertures: 4", 5" and 6"
Lumen Output: 850lm to 2500lm
Dedicated or Retrofit: Dedicated and 5" or 6" Retrofit

Commercial and high-end residential ICAT series that utilizes the same two LED packages as the Sapphire Series. Available in 4", 5" & 6" apertures up to 2500 lumen packages in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Variety of adjustable reflectors, square, slope and baffles. Housings include new construction, remodel, slope or retrofit existing housings.



IOLITE SERIES

Small Aperture LED Downlighting

Apertures: 1", 2" and 4"
Lumen Output: 600lm to 2500lm
Dedicated or Retrofit: Dedicated and 4" Retrofit

Small aperture specification downlights available in 1", 2" and 4" apertures. Featuring Cree® COB technology with field adjustable beam spreads and a variety of square and round reflectors. Iolite Series produces up to 2500 lumens in 2700K, 3000K, 3500K, 4000K, 5000K or Comfort Dim technology. Also 2" and 4" apertures are available in trimless, for a clean knife edge look. Housings include new construction, remodel or retrofit existing housings.



iPOINT SERIES

LED Monopoint

Apertures: 1" and 2"
Lumen Output: 600lm to 1000lm
Dedicated or Retrofit: Dedicated

iPOINT Monopoint Series utilizes Iolite housings to create a small sleek package producing up to 1000 lumens in 2700K, 3000K, 3500K, 4000K or 5000K. Compatible with 1" and 2" Iolite housings and incorporates Cree® COB technology.



PRISM SERIES

Smart LED RGBW Retrofit

Apertures: 4" and 5/6"
Lumen Output: 750lm to 800lm
Dedicated or Retrofit: Retrofit

PRISM smart LED downlights change the color of light and color temperature to meet any designer's or end user's needs as they change. Available in 4" or 5/6" apertures in baffle or reflector styles with a deep cutoff providing visual comfort, the PRISM produces 750 to 800 lumens of 90+ CRI and is programmable from 2700K to 4000K when on the white color setting and offers thousands of RGBW color possibilities. Using bluetooth technology the PRISM can be programmed with a smartphone, then controlled by your hand held remote, decora wall remote or smartphone. Control the lights all as one, by zone, or individually.



COBALT SERIES

Commercial and Residential LED Downlights

Apertures: 4", 5" and 6"
Lumen Output: 750lm to 2000lm
Dedicated or Retrofit: Dedicated and Retrofit

Cobalt Series consist of retrofit and dedicated 4", 5" & 6" reflectors providing up to 2000 lumens in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Cobalt series features Cree® COB throughout the entire family, for a consistent appearance throughout. Series now includes a shallow 2-5/8" housing, adjustable reflectors, adjustable elbow, high lumen and variety of retrofit reflectors.



ONYX SERIES

Light Commercial and Residential LED Downlights

Apertures: 4", 5/6" and 6"
Lumen Output: 650lm to 1200lm
Dedicated or Retrofit: Retrofit

Onyx Series features a variety of LED technology (AC, Tunable White and Standard DC) with an economical quality solution to LED Retrofit downlighting. Deep-set optics produce visual comfort in 4" and 5/6" apertures. The Onyx produces 90+ CRI for true vibrant color rendition. Producing up to 1200 lumens in 2700K, 3000K, 3500K, 4000K and 5000K. Reflector styles include adjustable, baffle, square and open reflectors that are compatible with Nora's dedicated LED housings to meet energy rebate requirements, as well as Nora's medium base housings and housings by others.



CANLESS RECESSED

M1 SERIES

1" Mini LED Recessed



Aperture: 1"
Lumen Output: 100lm
Dedicated or Retrofit: Dedicated

M1 miniature IC rated recessed series features quality and convenience with easy installation for indoor & outdoor applications. Luminaires include four plastic downlight trims, three optics and 6" quick connect. Series is available in four color temperatures (2700K, 3000K, 3500K or 4000K) and requires a 12VDC driver.

M2 SERIES

2" LED Recessed



Aperture: 2"
Lumen Output: 400lm to 1000lm
Dedicated or Retrofit: Dedicated

M2 recessed downlights do not require any housings, which makes installation easy. Simply cut the ceiling, wire the junction box and insert the luminaire in the ceiling cavity. IC rated luminaires are available in downlight or adjustable gimbal trims in round or square. Delivering up to 1000 lumens in 2700K or 3000K at 90+ CRI. A multiple lighting system can be created with an optional two head or three head regressed trim.

FLIN HIGH LUMEN SERIES

Low Profile LED Regressed Recessed



Apertures: 4", 6" and 8"
Lumen Output: 600lm to 2350lm
Dedicated or Retrofit: Dedicated

Quick, economical recessed ICAT LED lighting for remodel or new construction applications. Flin requires less than 2" ceiling clearance and no housing is required! Sizes include 4", 6" or 8" in round or square with a regressed lens and sharp baffle for reduced aperture brightness. Series produces up to 2350 lumens at 90+ CRI in 2700K, 3000K and 4000K temperatures.

E-SERIES FLIN

Tunable White LED Recessed



Apertures: 4" and 6"
Lumen Output: 600lm or 800lm
Dedicated or Retrofit: Dedicated

The E-Series FLIN features Tunable White LEDs, that allow the end user to select the color temperature from 2700K, 3000K or 3500K. Economical IC Air-Tight LED lighting for remodel or new construction applications. Flin requires less than 2" ceiling clearance and no housing is required! Delivering up to 800 lumens with a 6" or 600 lumens with a 4" luminaire. Series features a regressed lens and sharp baffle for reduced aperture brightness.

SURFACE MOUNTS

SURF SERIES

LED Surface Mount



Sizes: 4", 6" and 7"
Lumen Output: 650lm to 1000lm
Surface or Retrofit: Surface only

The SURF Series is a superior solution for minimalistic surface mounted lighting. The unique light guide and embedded honeycomb lens provides comfortable glare free lighting not found in other surface mounts. Sizes include 4", 6" and 7" in round or square with sharp corners and regressed baffle, the SURF provides an architectural look for general lighting applications. Producing up to 1000 lumens in 2700K, 3000K, 3500K, 4000K or 5000K.

CAMO SERIES

Tunable White LED Surface or Recessed Mount



Sizes: 6", 8" and 11"
Lumen Output: 700lm to 1700lm
Surface or Retrofit: Both

The CAMO Series features Tunable White LEDs, that allow the end user to select the color temperature from 3000K, 4000K or 5000K. Sizes include 6", 8" or 11" round luminaires that are designed to surface mount over a standard junction box or suitable for use with a 5" or 6" recessed housing by Nora or others. The fixtures include an integral magnet that allows for optional finished ring to attach seamlessly.

OPAL SERIES

LED Surface or Recessed Mount



Sizes: 4", 6" and 8"
Lumen Output: 650lm to 2000lm
Surface or Retrofit: Both

The Opal Series luminaires are designed to surface mount over a standard or fire rated junction boxes, and is suitable for use with a 5" or 6" recessed housing by Nora or others. The Opal produces even illumination with no diode image, from bright to dim. The low profile unit is cULus wet listed and produces up to 2000 lumens at 90+ CRI. Opal Series is available in 4", 6" or 8", three finishes and AC without any driver. Opal is an excellent energy efficient lighting solution for laundry rooms, closets, pantries, hallways and showers in residential and commercial retrofit or new construction applications.

LED Downlights Comparison Chart

| Series | SAPPHIRE I & II | QUARTZ | MARQUISE I & II | IOLITE | PRISM | COBALT |
|---------------------------------|--|--|--|--|-----------------------------------|---|
| Applications | Architectural, Commercial | Residential, Architectural, Commercial | High-End Residential, Commercial | Adjustable and Small Aperture Residential and Commercial | Residential, Light Commercial | Residential, Light Commercial |
| Lumen | 850lm to 8000lm | 500lm to 2900lm | 850lm to 2500lm | 600lm to 2500lm | 750lm & 800lm | 750lm to 2000lm |
| CRI | 90+ | 90+ | 90+ | 90+ | 90+ | 90+ |
| Kelvin | 2700K, 3000K, 3500K, 4000K | Tunable CCT (3000K, 3500K, 4000K) | 2700K, 3000K, 3500K, 4000K | 2700K, 3000K, 3500K, 4000K, 5000K | 2700K, 3000K, 3500K, 4000K & RGBW | 2700K, 3000K, 3500K, 4000K |
| Comfort Dim Warm Dimming | Yes - Sapphire I (850 to 3000lm) | No | Yes - Marquise I (850 to 2000lm) | Yes | No | Yes (Cobalt Click) |
| LED Technology | Cree TrueWhite® (I) Cree® COB (II) | See spec sheet | Cree TrueWhite® (I) Cree® COB (II) | Cree COB or Premium non-Cree COB (Comfort Dim) | See spec sheet | Cree COB |
| Apertures | 4", 6", 8" | 4", 6", 8" | 4", 5", 6" | 1", 2", 4" | 4", 5", 6" | 4", 5", 6" |
| Reflector Style | Reflector, Wall Wash, Decorative Glass | Reflector | Reflector, Baffle, Square, Adjustable, Slope Ceiling | Reflector, Square, Adjustable, Bullnose, Pinhole, Trimless | Reflector and Baffle | Reflector, Baffle Wall Wash, Elbow Adjustable, Square |
| Reflector Finishes | B, DW, H, W | D, HZ, MPW | BB, BW, BZ, CO, DB, DD, DW, HZ, HZW, MPW, NN, WW | BB, BMPW, BW, BZ, CHMPW, HW, HZMPW, MPW, NN, WW | BB, BZBZ, HZW, WW | BB, BW, BZBZ, COCO, DW, HZW, MPW, NN, PW, WW |
| IC Rated | No | Yes | Yes | Yes | Yes | Yes |
| Retrofit Available | Yes | Yes | Yes | Yes (4") | Yes | Yes |
| New Construction | Yes | Yes | Yes | Yes | Yes | Yes |
| Remodel | Yes | Yes | Yes | Yes | Yes | Yes |
| Fire Box Compatible | No | No | No | Yes | Yes | Yes |
| Dimmable | Triac, ELV or 0-10V | 0-10V | Triac, ELV or 0-10V | Triac, ELV or 0-10V | Smart Bluetooth enabled | Triac, ELV or 0-10V |
| Available in 277V | Yes | Yes | Yes | Yes | Yes, with 277V housing | Yes |
| cULus Wet Listed | Yes | Yes | Yes | Yes | Yes | Yes |
| Assembled in USA | Yes | No | Yes | Yes | No | No |
| Limited Warranty | 10 Year (I) / 5 Year (II) | 5 Year | 5 year | 5 Year | 5 year | 5 Year |
| Cost | \$\$\$ | \$ | \$\$\$ | \$\$ | \$\$ | \$ |

| ONYX | FLIN | M2 | M1 | CAMO | OPAL | SURF |
|--------------------------------------|-----------------------------------|--|--------------------------------------|---|---|-------------------------------------|
| Residential, Light Commercial | Residential and Light Commercial | Residential, Light Commercial | Residential and Light Commercial | Surface, Residential and Light Commercial | Surface, Residential and Light Commercial | Surface, Residential and Commercial |
| 650lm to 1200lm | 600lm to 2350lm | 400lm to 1000lm | 100lm | 700lm to 1700lm | 800lm to 2000lm | 650lm to 1000lm |
| 90+ | 90+ | 90+ | 90+ | 90+ | 90+ | 90+ |
| 2700K, 3000K, 4000K, 5000K | 2700K, 3000K, 3500K, 4000K, 5000K | 2700K and 3000K | 2700K, 3000K, 3500K, 4000K | Tunable CCT (3000K, 4000K, 5000K) | 2700K, 3000K, 4000K | 2700K, 3000K, 3500K, 4000K, 5000K |
| No | No | No | No | No | No | No |
| Samsung | See Spec Sheet | See Spec Sheet | See Spec Sheet | See Spec Sheet | See spec sheet | See Spec Sheet |
| 4", 5"/6", 6" | 4", 6", 8" | 2" | 1" | 6", 8", 11" | 4", 6", 8" | 4", 6", 7" |
| Reflector, Baffle Adjustable, Square | Baffle | Gimbal, Downlight, Shower, Elbow, Square | Downlight, Eyelid, Indicator, Square | Round | Round | Square and Round |
| BB, D, WW | MPW, WW | BB, HZ, MPW | B, BN, W | B, BN, CH, MPW, W | BZ, NM, W | WW |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Yes | No | No | No | Yes with Fire Rated Junction Box | Yes with Fire Rated Junction Box | Yes with Fire Rated Junction Box |
| Triac or ELV | Triac or ELV | Triac or ELV | Triac or ELV | Triac or ELV | Triac or ELV | Triac or ELV |
| Yes, with 277V housing | Yes | No | No | No | No | No |
| Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| No | No | No | No | No | No | No |
| 5 Year | 5 Year | 5 Year | 5 Year | 5 Year | 5 Year | 5 Year |
| \$ | \$ | \$ | \$ | \$ | \$ | \$ |



LEDs for Any Application

Residential, restaurants and retail; shopping malls and showrooms; hospitals and hospitality, atriums and airports—no matter what your space, Nora Lighting's LED downlights with integrated driver and LED packages can significantly reduce the Lighting Power Density (LPD) without compromising quality of light.

Specify LED downlights with the lumen output you need to simplify your design process and achieve consistent, full-spectrum lighting for your space.

SAPPHIRE AND MARQUISE SERIES EQUIVALENTS

15' - 40' CEILINGS

4500* Lumen 60W LED
250W Halogen
57W CFL, 2 x 32W CFL
70W HID

15' - 30' CEILINGS

3000 Lumen 37W LED
42W CFL, 2 x 26W CFL
50W HID

10' - 20' CEILINGS

2000 Lumen 25W LED
150-250W Incandescent
32W CFL
39W HID

8' - 12' CEILINGS

1250 Lumen 16W LED
850 Lumen 11W LED
75-150W Incandescent
18-26W CFL
20W HID

* Sapphire is also available in 6000 and 8000 lumens. Consult factory for photometric data.

LIGHTING CONSISTENCY FOR ALL APPLICATIONS.

LED downlights, powered by Cree® modules, represent a family of high efficiency LED downlights that can beautifully light any area.

With our downlights, you achieve a uniform look and uniform consistent lighting. Cree® LED modules and COBs provide consistent color and quality of light throughout a space, while reflectors maintain excellent cutoff for visual comfort.

Reflector Finishes

See individual reflector listings for available finishes. All finishes are not available on all reflectors.

ARCHITECTURAL SAPPHIRE SERIES FINISHES



Black Reflector / Wall Wash Self Flange (BSF)

Absorbs light to help hide aperture brightness when on. Gives a "black hole" appearance when off. Excellent for dark ceilings and in areas where minimal aperture brightness is important.



Black Reflector / Wall Wash White Self Flange (BWSF)

Absorbs light to help hide aperture brightness when on. Gives a "black hole" appearance when off. Excellent in areas where minimal aperture brightness is important. White painted flange.



Diffused Clear Reflector / Wall Wash Self Flange (DSF)

Similar to a clear (chrome) finish but slightly diffused for to soften brightness when on or off. Flange is same finish as reflector.



Diffused Clear Reflector / Wall Wash White Self Flange (DWSF)

Similar to a clear (chrome) finish but slightly diffused to soften brightness when on or off. Flange is painted white.



Haze Reflector / Wall Wash Self Flange (HSF)

A soft platinum finish which casts a soft glow with low aperture brightness. Finish is easy to maintain and blends with multiple metal finishes. Haze does not appear as diffused clear when off and blends very well with white ceilings. Flange is finished in haze.



Haze Reflector / Wall Wash White Self Flange (HWSF)

A soft platinum finish which casts a soft glow with low aperture brightness. Finish is easy to maintain and blends with multiple metal finishes. Haze does not appear as diffused clear when off and blends very well with white ceilings. Flange is painted white.



White Reflector / Wall Wash Self Flange (WSF)

White creates the highest aperture brightness, yet blends in well with white ceilings when off.

REFLECTOR FLANGE OPTIONS



Self Flange - SF

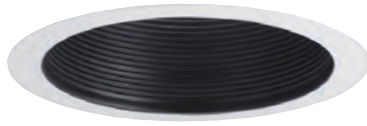
5/8" integral flange is a part of the reflector and finished in the same finish as the reflector.



White Self Flange - WSF

5/8" integral flange is a part of the reflector and finished in white.

STANDARD MARQUISE, IOLITE AND COBALT FINISHES



Black, White Flange (BW)

A specular black finish that best hides aperture brightness. It is often the top choice by designers when glare and minimum ceiling brightness are a concern. Available in Reflector or Baffle styles.



Bronze, Bronze Flange (BZBZ)

A beautiful dark bronze finish with a hint of copper highlights that blend well with all oil rubbed bronze fixture finishes. The finish provides low aperture brightness. Available in Reflector or Baffle styles.



Champagne Haze, Matte Powder White Flange (CHMPW)

A beautiful, full champagne gold in a deep beautiful satin finish. The aperture warms when lit and complements rich gold or soft brass tones. Excellent performance and low aperture brightness.



Copper, Copper Flange (COCO)

A beautiful, full flavor finish similar to an old copper penny. It blends well with period copper fixtures, provides good performance and lower aperture brightness. Available in Reflector or Baffle styles.



Diffused Clear, White Flange (DW)

Similar to a specular clear (chrome) finish but slightly diffused to soften brightness when on or off. Very low aperture brightness. Flange is painted white.



Haze, White Flange (HZW)

A soft platinum finish which casts a soft glow with low aperture brightness. Finish is easy to maintain and blends with multiple metal finishes. Haze does not appear as diffused clear or clear when off and blends very well with white ceilings. Flange is painted white.



Natural Metal, Natural Metal Flange (NN)

An industrial, brushed raw metal finish that blends well with all stainless steel and brushed nickel fixtures. The finish provides a soft aperture brightness. Available in Reflector or Baffle styles.



White, White Flange (WW)

White creates the highest aperture brightness, yet blends in well with white ceilings when off. Available in Reflector or Baffle styles.



Matte Powder White (MPW)

A pure white, whiter than Nora's standard white. A matte finish that blends well with contemporary brighter white ceilings.

GLASS OPTIONS (SPECIFY REFLECTOR AND GLASS SEPERATELY)



NTG-B/167
Tempered Blue Glass with
6-5/8" Open Center



NTG-B/120
Tempered Blue Glass with
4-3/4" Open Center



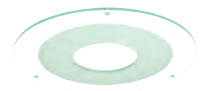
NTG-B/80
Tempered Blue Glass with
3-1/8" Open Center



NTG-CF
Tempered Clear Glass with
Frosted Center



NTG-FC
Tempered Frosted Glass with
Clear Center



NTG-HC
Tempered Clear Glass with
Frosted Center &
3-1/8" Open Center



LED Dimming Two Choices

WHITE LIGHT DIMMING AND COMFORT DIM

Sapphire, Marquise, Lolite and Cobalt Click Series offer both white light dimming and Comfort Dim technology.

White Light Dimming (Standard)

Consistent color across dimming range keeps colors natural and consistent

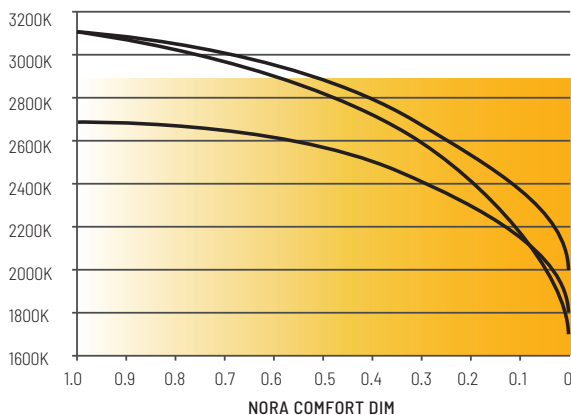
Unlike incandescent dimming, most LED dimming does not change in color as power decreases but remains close to the original kelvin temperature of the source. This is called White Light Dimming. White Light dimming is also found with fluorescent dimming, and has become accepted in most commercial, architectural and residential applications primarily because there were not other energy efficient solutions that would warm the light as it was dimmed.



Comfort Dim (optional)

Warm, rich light dimming creates an intimate atmosphere

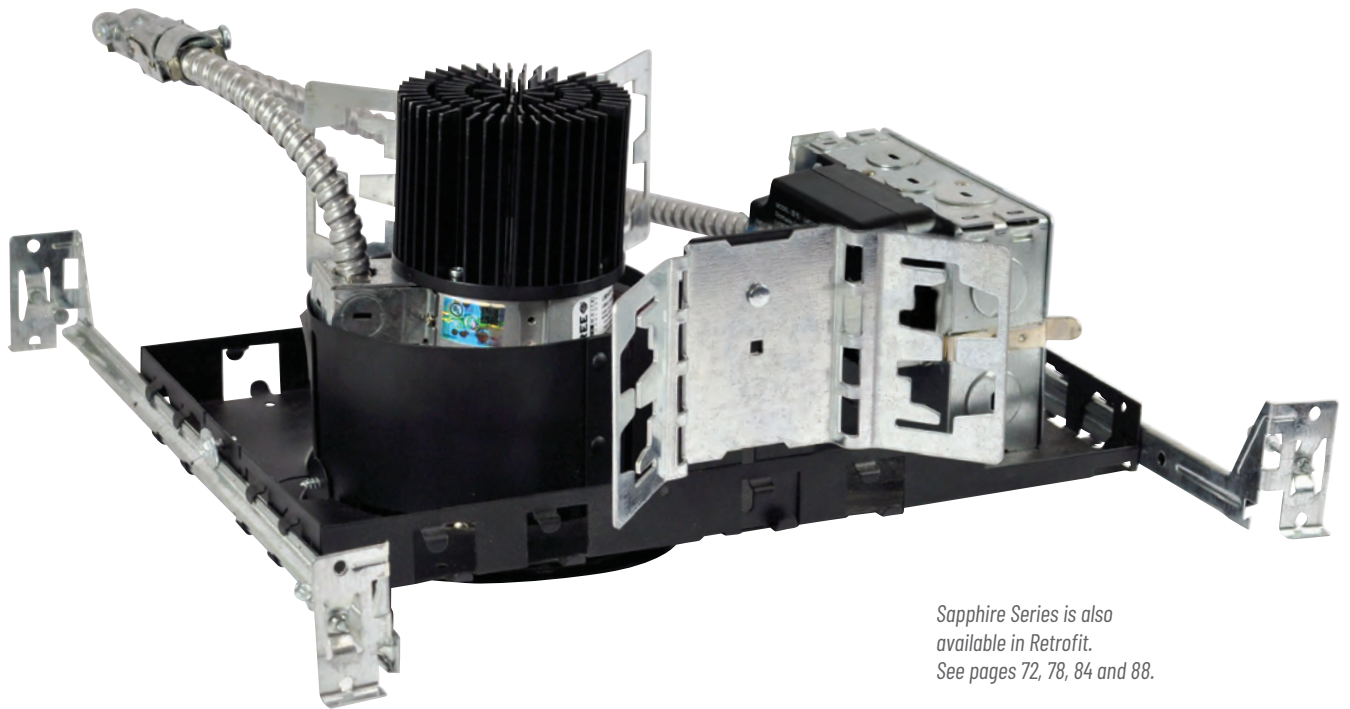
An innovation in energy efficient dimming, Comfort Dim presented by Nora, warms the light as power is reduced. Comfort Dim color tunes the temperature from a bright color to a warm and romantic incandescent feel. The Sapphire and Marquise Series goes from 2700K to 1800K, Lolite Series goes from 3100K to 2000K and Cobalt Series goes from 3100K to 1700K. The warm dim Comfort Dim is the perfect solution for restaurants, cineplex, home theaters, multi-purpose event venues and other applications where the temperature and comfort of the light sets the mood.





Sapphire I & II Series

ARCHITECTURAL AND COMMERCIAL LED DOWNLIGHTING



Sapphire Series is also available in Retrofit. See pages 72, 78, 84 and 88.

The Sapphire I and Sapphire II Series of LED architectural downlights feature one of the highest efficacy ratings in the industry. Deep cone reflectors combined with the Cree® TrueWhite or Cree COB LED packages produce high CRI efficient light for commercial applications while providing optimal visual comfort.

White Light Dimming (Sapphire I & II) features lumen packages from 850lm to 8000lm with smooth, consistent, white light dimming down to 5%.

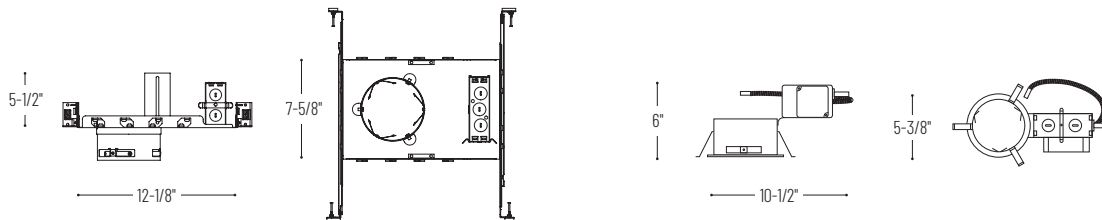
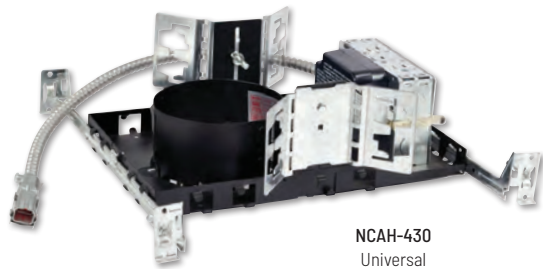
Comfort Dimming (Sapphire I) features lumen packages from 850lm to 3000lm with smooth, gradual, even line dimming from 2700K down to 1800K. Comfort Dimming is perfect for restaurants, theaters, multi-use rooms and high-end residential applications where warm color tuning is important to the ambiance of the occasion or function.

Adjustable Series (Sapphire II) features a pivotable reflector assembly that can adjust up to 35°. Utilizing that same Cree COB LED packages from 900lm to 3500lm.



SAPPHIRE I SERIES ARCHITECTURAL AND COMMERCIAL

4" FRAME-INS COMFORT DIM - 850LM TO 2000LM



4" SAPPHIRE I COMFORT DIM FRAME-INS

| FRAME TYPE | LUMENS / WATTAGE | LED MODULE | DRIVER | OPTIONAL EMERGENCY |
|----------------------------|---|------------------------------------|--|--|
| NCAH-430/ Universal | 85 850lm / 11W 12 1250lm / 16W | C Comfort Dim (2700K-1800K) | LE1 120V ELV Dim for 850-1250lm; 0-10V Dim for 2000lm | EM Emerg w/ Remote Test Switch EMI Emerg w/ Integral Test Switch ¹ |
| NCHR-434/ Remodel | 20 2000lm / 25W | | LE2 277V 0-10V Dim LE4 120V ELV Dim for 2000lm; 0-10V Dim for 850-1250lm | PEM Pre-Wired for Remote Emergency |

Example: **NCAH-430/85CLEIEM** - 4" Universal New Construction Frame-in, Comfort Dim - 850lm / 11W, 120V input; ELV dimming, Emergency with Remote Test Switch

¹Compatible with NC-431 only, must specify on reflector

Architectural grade LED high lumen downlights featuring deep cone reflectors. Sapphire I series utilizes Comfort Dim technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage:

850lm / 11W, 1250lm / 16W, 2000lm / 25W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. See website for dimmer compatibility.

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to 0.064 steel junction box and driver tray. Plaster frame opening includes (3) "butterfly" spring clips to hold reflector assembly in place.

INSTALLATION:

Universal: Frame-in includes two adjustable bar hangers and universal brackets that accept flat bar hangers, C-Channel (ordered separately) or rigid 1/2" conduit.

Adjustable hanger bars with captive nails, alignment foot, T-Bar slot are included on frame. Includes an adjustable deep collar for deep ceiling applications.

Remodel: Designed for installation in existing ceilings.

Three high tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES: Frames require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

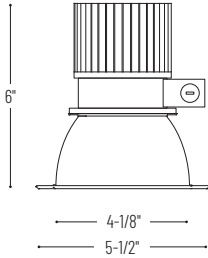
LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- 10 Year Limited Warranty



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE I SERIES**

COMFORT DIM - 850LM TO 2000LM 4" REFLECTORS



NC-431
4" Open Reflector
B, D, H, W



NC-436
4" Wall Wash
B, D, H, W



NC-438 / NTG-4SPH-CF
4" Decorative Glass
B, D, H, W

4" SAPPHIRE I COMFORT DIM REFLECTORS

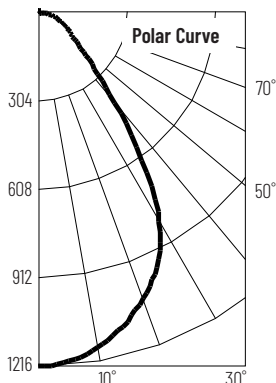
| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | REFLECTOR FINISH | FLANGE | OPTIONAL EMERGENCY |
|--|-------------------------|-------------------------------------|--|---|--|
| NC-431 Open Reflector | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | B Black D Clear Diffused H Haze W White | SF Self Flange WSF White Self Flange | EMI Integral Test Switch ¹ |
| NC-436 Wall Wash | L12 1250lm / 16W | | | | |
| NC-438 Decorative Glass* (See glass options below) | L20 2000lm / 25W | | | | |

Example: **NC-431L20CDDWSF** - 4" Open Reflector, 2000lm / 25W, Comfort Dim (2700K to 1800K), Clear Diffused / White Self Flange

¹Compatible with NC-431 only, must specify on frame-in

PHOTOMETRICS

Test Number: NTR11426
Part Number: NC-431L20CDDWSF
Lumens: 1782lm
Wattage: 25.96W
Efficacy: 69lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.1
Spacing Criteria (90°-270°): 1.1



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 75.9fc | 5'-8" |
| 6' | 33.7fc | 8'-7" |
| 8' | 19fc | 11'-5" |
| 10' | 12.1fc | 14'-4" |
| 12' | 8.4fc | 17'-1" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1215 |
| 5 | 1205 |
| 15 | 1121 |
| 25 | 975 |
| 35 | 630 |
| 45 | 270 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 871 | 48.9 |
| 0-40 | 1259 | 70.7 |
| 0-60 | 1604 | 90 |
| 0-90 | 1772 | 99.5 |
| 90-180 | 10 | 0.5 |
| 0-180 | 1782 | 100 |

4" DECORATIVE GLASS



NC-438 DECORATIVE GLASS OPTIONS

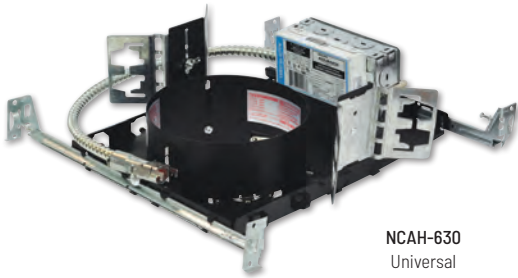
Glass sold separately

- NTG-4SPH-CF** 4" Tempered Clear Glass with Frosted Center
- NTG-4SPH-FC** 4" Tempered Frosted Glass with Clear Center
- NTG-4SPH-HC** 4" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass.

SAPPHIRE I SERIES ARCHITECTURAL AND COMMERCIAL

6" FRAME-INS COMFORT DIM - 850LM TO 3000LM



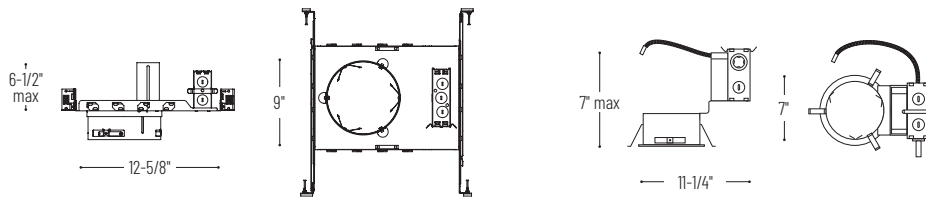
NCAH-630
Universal



NCHR-634
Remodel



6" Saphire
Retrofit available.
See page 72.



6" SAPPHIRE I COMFORT DIM FRAME-INS

| FRAME TYPE | LUMENS / WATTAGE | LED MODULE | DRIVER | OPTIONAL EMERGENCY |
|---------------------|------------------|-----------------------------|---|--|
| NCAH-630/ Universal | 85 850lm / 11W | C Comfort Dim (2700K-1800K) | LE1 120V ELV Dim for 850-1250lm; 0-10V Dim for 2000-3000lm | EM Emerg w/ Remote Test Switch EMI Emerg w/ Integral Test Switch ¹ |
| | 12 1250lm / 16W | | | |
| NCHR-634/ Remodel | 20 2000lm / 25W | | LE2 277V 0-10V Dim | PEM Pre-Wired for Remote Emergency |
| | 30 3000lm / 37W | | LE4 120V ELV Dim for 2000-3000lm; 0-10V Dim for 850-1250lm | |

Example: NCAH-630/12CLE1EM - 6" Universal New Construction Frame-in, Comfort Dim - 1250lm / 16W, 120V input; ELV dimming, Emergency with Remote Test Switch

¹Compatible with NC-631 only, must specify on reflector

Architectural grade LED high lumen downlights featuring deep cone reflectors. Sapphire I series utilizes Comfort Dim technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage:

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. Comfort Dim is available up to 3000lm output, see website for dimmer compatibility.

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to 0.064 steel junction box and driver tray. Plaster frame opening includes (3) "butterfly" spring clips to hold reflector assembly in place.

INSTALLATION:

Universal: Frame-in includes two adjustable bar hangers and universal brackets that accept flat bar hangers, C-Channel (ordered separately) or rigid 1/2" conduit. Adjustable hanger bars with captive nails, alignment foot, T-Bar slot are included on frame. Includes an adjustable deep collar for deep ceiling applications.

Remodel: Designed for installation in existing ceilings. Three high tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES: Frames require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components, and 48" between any recessed fixtures.

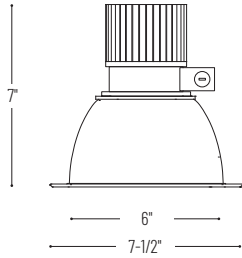
EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- 10 Year Limited Warranty



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE I SERIES**
COMFORT DIM - 850LM TO 3000LM **6" REFLECTORS**



NC-631
6" Open Reflector
B, D, H, W



NC-636
6" Wall Wash
B, D, H, W



NC-638 / NTG-6CF
6" Decorative Glass
B, D, H, W

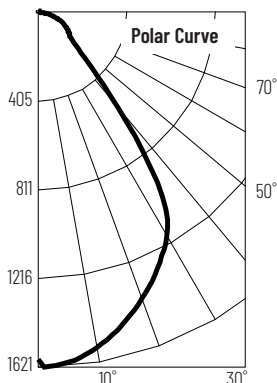
6" SAPPHIRE I COMFORT DIM REFLECTORS

| REFLECTOR TYPE | LUMEN / WATTAGE | COLOR TEMP | REFLECTOR / FLANGE FINISH | OPTIONAL EMERGENCY |
|--|--|-------------------------------------|---|--|
| NC-631 Open Reflector | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | BSF Black / Self Flanged | EMI Integral Test Switch ¹ ¹ Compatible with NC-631 only, must specify on frame-in |
| NC-636 Wall Wash | L12 1250lm / 16W | | BWSF Black / White Flange | |
| NC-638 Decorative Glass* (See glass options below) | L20 2000lm / 25W L30 3000lm / 37W | | DBSF Clear Diffused / Black Flange DSF Clear Diffused / Self Flanged DWSF Clear Diffused / White Flange HBSF Haze / Black Flange HSF Haze / Self Flanged HWSF Haze / White Flange WSF White / Self Flanged | |

Example: **NC-631L20CDDWSF** - 6" Open Reflector, 2000lm / 25W, Comfort Dim (2700K to 1800K), Clear Diffused Reflector / White Self Flange

PHOTOMETRICS

Test Number: NTR11430
Part Number: NC-631L30CDDWSF
Lumens: 2453lm
Wattage: 36.14W
Efficacy: 68lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.12
Spacing Criteria (90°-270°): 1.12



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 45fc | 9'-1" |
| 9' | 20fc | 13'-8" |
| 12' | 11.3fc | 18'-2" |
| 15' | 7.2fc | 22'-10" |
| 18' | 5fc | 27'-5" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1621 |
| 5 | 1606 |
| 15 | 1489 |
| 25 | 1306 |
| 35 | 987 |
| 45 | 341 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1171 | 47.7 |
| 0-40 | 1760 | 71.7 |
| 0-60 | 2199 | 89.6 |
| 0-90 | 2430 | 99.1 |
| 90-180 | 22.5 | 0.9 |
| 0-180 | 2453 | 100 |

6" DECORATIVE GLASS



NC-638 DECORATIVE GLASS OPTIONS

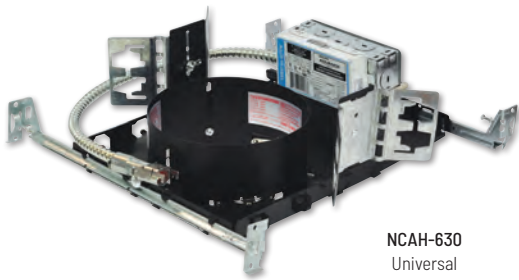
Glass sold separately

- NTG-6B/120** 6" Tempered Blue Glass with 4-3/4" Open Center
- NTG-6B/80** 6" Tempered Blue Glass with 3-1/8" Open Center
- NTG-6CF** 6" Tempered Clear Glass with Frosted Center
- NTG-6FC** 6" Tempered Frosted Glass with Clear Center
- NTG-6HC** 6" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass.

SAPPHIRE I SERIES ARCHITECTURAL AND COMMERCIAL

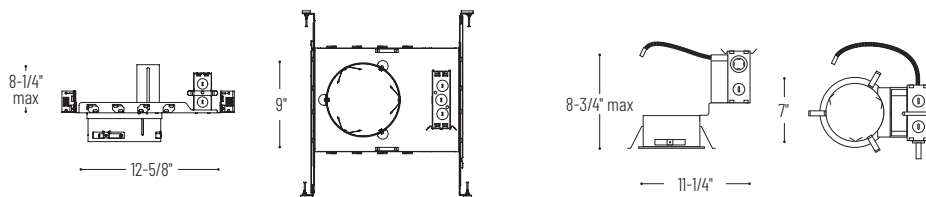
6" FRAME-INS 6000LM TO 8000LM



NCAH-630
Universal



NCHR-634
Remodel



6" SAPPHIRE I HIGH LUMEN FRAME-INS

| FRAME TYPE | LUMENS / WATTAGE | LED MODULE | DRIVER | OPTIONAL EMERGENCY |
|---------------------|------------------|------------------------|------------------------|--|
| NCAH-630/ Universal | 60 6000lm / 81W | (blank) Cree TrueWhite | LE1 120V 0-10V Dim | EM Emerg w/ Remote Test Switch |
| | 80 8000lm / 104W | | LE2 277V 0-10V Dim | EMI Emerg w/ Integral Test Switch ¹ |
| NCHR-634/ Remodel | | | LE4 120V Triac/ELV Dim | PEM Pre-Wired for Remote Emergency |

Example: **NCAH-630/60LE1EM** - 6" Universal New Construction Frame-in, 6000lm / 81W, 120V input; 0-10V dimming, Emergency with Remote Test Switch

¹Compatible with NC-631 only, must specify on reflector

Architectural grade LED high lumen downlights featuring deep cone reflectors. Sapphire I series utilizes Cree TrueWhite technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage: 6000lm / 81W, 8000lm / 104W

Color Rendering Index: 90+ CRI

Color Temperature: 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to 0.064 steel junction box and driver tray. Plaster frame opening includes (3) "butterfly" spring clips to hold reflector assembly in place.

INSTALLATION:

Universal: Frame-in includes two adjustable bar hangers and universal brackets that accept flat bar hangers, C-Channel (ordered separately) or rigid 1/2" conduit. Adjustable hanger bars with captive nails, alignment foot, T-Bar slot are included on frame. Includes an adjustable deep collar for deep ceiling applications.

Remodel: Designed for installation in existing ceilings. Three high tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES: Frames require a minimum clearance of 24" from thermal insulation and adjacent building components, and 48" between any recessed fixtures.

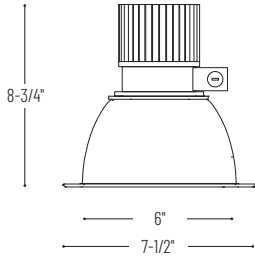
EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- 10 Year Limited Warranty



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE I SERIES**
 6000LM TO 8000LM **6" REFLECTORS**



NC-631
 6" Open Reflector
 B, D, H, W

6" SAPPHIRE I HIGH LUMEN REFLECTOR

| REFLECTOR TYPE | LUMEN / WATTAGE | COLOR TEMP | REFLECTOR / FLANGE FINISH | OPTIONAL EMERGENCY |
|------------------------------|---|---|--|---|
| NC-631 Open Reflector | L60 6000lm / 81W L80 8000lm / 104W | 30 3000K 35 3500K 40 4000K | BSF Black / Self Flanged BWSF Black / White Flange DBSF Clear Diffused / Black Flange DSF Clear Diffused / Self Flanged DWSF Clear Diffused / White Flange HBSF Haze / Black Flange HSF Haze / Self Flanged HWSF Haze / White Flange WSF White / Self Flanged | EMI Integral Test Switch ¹ <i>¹Must specify on frame-in</i> |

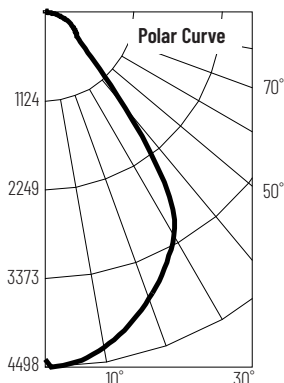
Example: **NC-631L8030DWSF** - 6" Open Reflector, 8000lm / 104W, 3000K, Clear Diffused Reflector / White Self Flange

PHOTOMETRICS

Test Number: 727489
Part Number: NC-631L8040WSF
Lumens: 6452lm
Wattage: 107.7W
Efficacy: 61lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.11
Spacing Criteria (90°-270°): 1.14

Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 122fc | 8'-11" |
| 9' | 54.4fc | 13'-5" |
| 12' | 30.6fc | 17'-10" |
| 15' | 19.6fc | 22'-4" |
| 18' | 13.6fc | 26'-10" |



Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 4405 |
| 5 | 4334 |
| 15 | 4002 |
| 25 | 3487 |
| 35 | 2577 |
| 45 | 902 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 3153 | 48.2 |
| 0-40 | 4709 | 72 |
| 0-60 | 5869 | 89.7 |
| 0-90 | 6488 | 99.2 |
| 90-180 | 53.56 | 0.8 |
| 0-180 | 6542 | 100 |

SAPPHIRE I RETROFIT SERIES COMMERCIAL

6" RETROFIT COMFORT DIM - 850LM TO 3000LM



NCR-61
6" Open Reflector
B, D, H, W

NCR-66
6" Wall Wash
B, D, H, W

NCR-68 / NTG-6CF
6" Decorative Glas
B, D, H, W

6" SAPPHIRE I COMFORT DIM RETROFIT REFLECTORS

| REFLECTOR TYPE | LUMEN / WATTAGE | COLOR TEMP | DRIVER | REFLECTOR / FLANGE FINISH |
|--|--|-------------------------------------|--|---|
| NCR-61 Open Reflector | 85 850lm / 11W | CD Comfort Dim (2700K-1800K) | E1 120V ELV Dim for 850-1250lm; 0-10V Dim for 2000-3000lm E2 277V 0-10V Dim E4 120V ELV Dim for 2000-3000lm; 0-10V Dim for 850-1250lm | BSF Black / Self Flanged |
| NCR-66 Wall Wash | 12 1250lm / 16W | | | BWSF Black / White Flange |
| NCR-68 Decorative Glass* (See glass options below) | 20 2000lm / 25W 30 3000lm / 37W | | | DBSF Clear Diffused / Black Flange DSF Clear Diffused / Self Flanged DWSF Clear Diffused / White Flange HBSF Haze / Black Flange HSF Haze / Self Flanged HWSF Haze / White Flange WSF White / Self Flanged |

Example: **NCR-6620CDE1WF** - 6" Retrofit Wall Wash, 2000lm / 25W, Comfort Dim (2700K to 1800K), 120V input; 0-10V dimming, White Reflector / White Self Flange

Sapphire I retrofit series is a great solution to replace existing HID, CFL or incandescent light sources. Sapphire I series utilizes Comfort Dim technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage:

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. Comfort Dim is available up to 3000lm output, see website for dimmer compatibility.

CONSTRUCTION: Aluminum spun reflector attached to LED module and UTM heat sink. Reflector has disconnect. Aluminum whip connected to UL recognized junction box support LED Drive. Aluminum whip with quick connect for power connection.

INSTALLATION: The Sapphire retrofit is intended to install into existing 6" Commercial and Architectural frames by Nora. Universal flippers hold firmly in various ceiling depths. For compatible frames by others refer to spec sheet.

LISTING & WARRANTY:

- cULus Classified for Wet Location
- ENERGY STAR certified
- 10 Year Limited Warranty



6" DECORATIVE GLASS



NCR-68 DECORATIVE GLASS OPTIONS

Glass sold separately

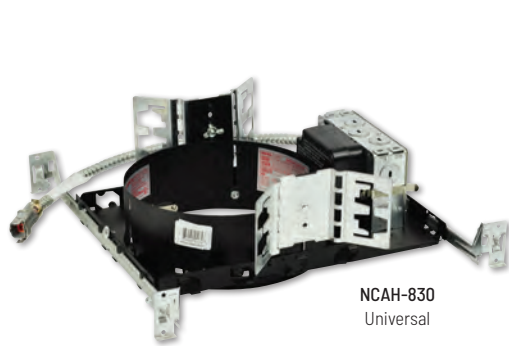
- NTG-6B/120** 6" Tempered Blue Glass with 4-3/4" Open Center
- NTG-6B/80** 6" Tempered Blue Glass with 3-1/8" Open Center
- NTG-6CF** 6" Tempered Clear Glass with Frosted Center
- NTG-6FC** 6" Tempered Frosted Glass with Clear Center
- NTG-6HC** 6" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass



SAPPHIRE I SERIES ARCHITECTURAL AND COMMERCIAL

8" FRAME-INS COMFORT DIM - 850LM TO 3000LM



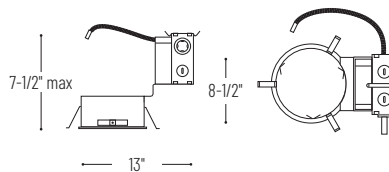
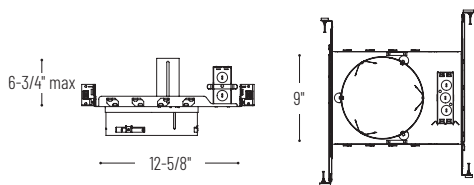
NCAH-830
Universal



NCHR-834
Remodel



8" Sapphire
Retrofit available.
See page 78.



8" SAPPHIRE I COMFORT DIM FRAME-INS

| FRAME TYPE | LUMENS / WATTAGE | LED MODULE | DRIVER | OPTIONAL EMERGENCY |
|----------------------------|--|------------------------------------|---|--|
| NCAH-830/ Universal | 85 850lm / 11W 12 1250lm / 16W | C Comfort Dim (2700K-1800K) | LE1 120V ELV Dim for 850-1250lm; 0-10V Dim for 2000-3000lm | EM Emerg w/ Remote Test Switch EMI Emerg w/ Integral Test Switch ¹ |
| NCHR-834/ Remodel | 20 2000lm / 25W 30 3000lm / 37W | | LE2 277V 0-10V Dim LE4 120V ELV Dim for 2000-3000lm; 0-10V Dim for 850-1250lm | |

Example: **NCHR-834/20CLE1PEM** - 8" Remodel Frame-in, Comfort Dim - 2000lm / 25W, 120V input; 0-10V dimming, Pre-Wired for Remote Emergency

¹ Compatible with NC-831 only, must specify on reflector

Architectural grade LED high lumen downlights featuring deep cone reflectors. Sapphire I series utilizes Comfort Dim technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage:

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. Comfort Dim is available up to 3000lm output, see website for dimmer compatibility.

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to 0.064 steel junction box and driver tray. Plaster frame opening includes (3) "butterfly" spring clips to hold reflector assembly in place.

INSTALLATION:

Universal: Frame-in includes two adjustable bar hangers and universal brackets that accept flat bar hangers, C-Channel (ordered separately) or rigid 1/2" conduit. Adjustable hanger bars with captive nails, alignment foot, T-Bar slot are included on frame. Includes an adjustable deep collar for deep ceiling applications.

Remodel: Designed for installation in existing ceilings. Three high tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES: Frames require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components, and 48" between any recessed fixtures.

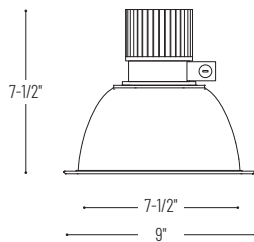
EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- 10 Year Limited Warranty



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE I SERIES**
COMFORT DIM - 850LM TO 3000LM 8" REFLECTORS



NC-831
8" Open Reflector
B, D, H, W



NC-836
8" Wall Wash
B, D, H, W



NC-838 / NTG-8FC
8" Decorative Glass
B, D, H, W

8" SAPPHIRE I COMFORT DIM REFLECTORS

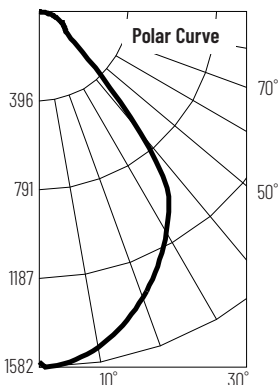
| REFLECTOR TYPE | LUMEN / WATTAGE | COLOR TEMP | REFLECTOR FINISH | FLANGE | OPTIONAL EMERGENCY |
|--|--|-------------------------------------|---------------------------------|------------------------------|--|
| NC-831 Open Reflector | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | B Black | SF Self Flange | EMI Integral Test Switch ¹ |
| NC-836 Wall Wash | L12 1250lm / 16W | | D Clear Diffused | WSF White Self Flange | |
| NC-838 Decorative Glass* (See glass options below) | L20 2000lm / 25W L30 3000lm / 37W | | H Haze W White | | |

Example: **NC-836L20CDWSF** - 8" Wall Wash, 2000lm / 25W, Comfort Dim (2700K to 1800K), White Reflector / Self Flanged

¹ Compatible with NC-831 only, must specify on frame-in

PHOTOMETRICS

Test Number: NTR11433
Part Number: NC-831L30CDWSF
Lumens: 2505lm
Wattage: 34.83W
Efficacy: 72lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.14
Spacing Criteria (90°-270°): 1.14



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 43.9fc | 9'-11" |
| 9' | 19.5fc | 14'-11" |
| 12' | 11fc | 19'-11" |
| 15' | 7fc | 24'-10" |
| 18' | 4.9fc | 29'-10" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1582 |
| 5 | 1573 |
| 15 | 1474 |
| 25 | 1296 |
| 35 | 1056 |
| 45 | 406 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1159 | 46.3 |
| 0-40 | 1798 | 71.7 |
| 0-60 | 2271 | 90.6 |
| 0-90 | 2477 | 98.9 |
| 90-180 | 28 | 1.1 |
| 0-180 | 2505 | 100 |

8" DECORATIVE GLASS



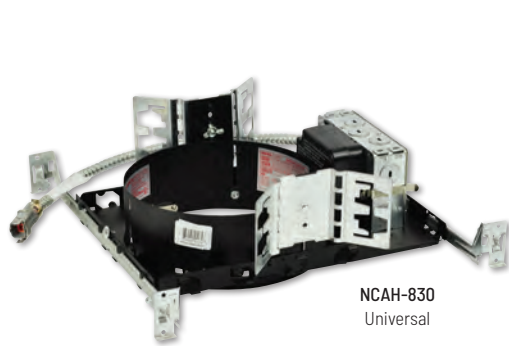
NC-838 DECORATIVE GLASS OPTIONS
Glass sold separately

- NTG-8B/167** 8" Tempered Blue Glass with 6-5/8" Open Center
- NTG-8B/80** 8" Tempered Blue Glass with 3-1/8" Open Center
- NTG-8CF** 8" Tempered Clear Glass with Frosted Center
- NTG-8FC** 8" Tempered Frosted Glass with Clear Center
- NTG-8HC** 8" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass

SAPPHIRE I SERIES ARCHITECTURAL AND COMMERCIAL

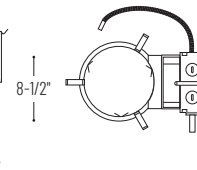
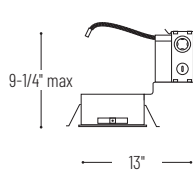
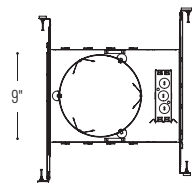
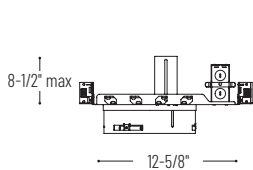
8" FRAME-INS 6000LM TO 8000LM



NCAH-830
Universal



NCHR-834
Remodel



8" SAPPHIRE I HIGH LUMEN FRAME-INS

| FRAME TYPE | LUMENS / WATTAGE | LED MODULE | DRIVER | OPTIONAL EMERGENCY |
|----------------------------|---|------------------------|--|--|
| NCAH-830/ Universal | 60 6000lm / 81W 80 8000lm / 104W | (blank) Cree TrueWhite | LE1 120V 0-10V Dim LE2 277V 0-10V Dim | EM Emerg w/ Remote Test Switch EMI Emerg w/ Integral Test Switch ¹ |
| NCHR-834/ Remodel | | | LE4 120V Triac/ELV Dim | PEM Pre-Wired for Remote Emergency |

Example: **NCHR-834/60LE1PEM** - 8" Remodel Frame-in, 6000lm / 25W, 120V input; 0-10V dimming, Pre-Wired for Remote Emergency

¹Compatible with NC-831 only, must specify on reflector

Architectural grade LED high lumen downlights featuring deep cone reflectors. Sapphire I series utilizes Cree TrueWhite technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage: 6000lm / 81W, 8000lm / 104W

Color Rendering Index: 90+ CRI

Color Temperature: 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to 0.064 steel junction box and driver tray. Plaster frame opening includes (3) "butterfly" spring clips to hold reflector assembly in place.

INSTALLATION:

Universal: Frame-in includes two adjustable bar hangers and universal brackets that accept flat bar hangers, C-Channel (ordered separately) or rigid 1/2" conduit. Adjustable hanger bars with captive nails, alignment foot, T-Bar slot are included on frame. Includes an adjustable deep collar for deep ceiling applications.

Remodel: Designed for installation in existing ceilings. Three high tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES: Frames require a minimum clearance of 24" from thermal insulation and adjacent building components, and 48" between any recessed fixtures.

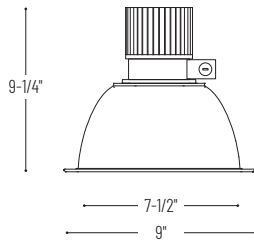
EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- 10 Year Limited Warranty



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE I SERIES**
 6000LM TO 8000LM 8" REFLECTORS



NC-831
 8" Open Reflector
 B, D, H, W

8" SAPPHIRE I HIGH LUMEN REFLECTOR

| REFLECTOR TYPE | LUMEN / WATTAGE | COLOR TEMP | REFLECTOR FINISH | FLANGE | OPTIONAL EMERGENCY |
|------------------------------|---|---|--|---|--|
| NC-831 Open Reflector | L60 6000lm / 81W L80 8000lm / 104W | 30 3000K 35 3500K 40 4000K | B Black D Clear Diffused H Haze W White | SF Self Flange WSF White Self Flange | EMI Integral Test Switch ¹ |

Example: **NC-831L6040WSF** - 8" Open Reflector, 6000lm / 25W, 4000K, White Reflector / Self Flanged

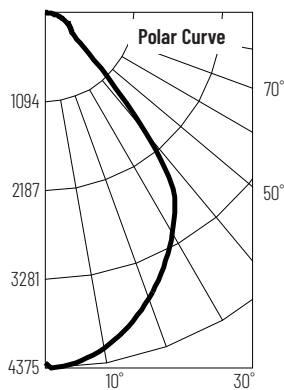
¹ Must specify on frame-in

PHOTOMETRICS

Test Number: 727489
Part Number: NC-831L8040WSF
Lumens: 6507lm
Wattage: 108W
Efficacy: 60lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.10
Spacing Criteria (90°-270°): 1.12

Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 120fc | 9'-7" |
| 9' | 53.2fc | 14'-5" |
| 12' | 29.9fc | 19'-2" |
| 15' | 19.1fc | 24' |
| 18' | 13.3fc | 28'-10" |



Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 4309 |
| 5 | 4248 |
| 15 | 3924 |
| 25 | 3398 |
| 35 | 2744 |
| 45 | 990 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 3076 | 47.3 |
| 0-40 | 4733 | 72.7 |
| 0-60 | 5904 | 90.7 |
| 0-90 | 6435 | 98.9 |
| 90-180 | 0 | 0 |
| 0-180 | 6507 | 100 |

SAPPHIRE I RETROFIT SERIES COMMERCIAL

8" RETROFIT COMFORT DIM - 850LM TO 3000LM



NCR-81
8" Open Reflector
B, D, H, W

NCR-86
8" Wall Wash
B, D, H, W

NCR-88 / NTG-8CF
8" Decorative Glass
B, D, H, W

8" SAPPHIRE I COMFORT DIM RETROFIT REFLECTORS

| REFLECTOR TYPE | LUMEN / WATTAGE | COLOR TEMP | DRIVER | REFLECTOR FINISH | FLANGE |
|--|--|-------------------------------------|---|--|--|
| NCR-81 Open Reflector | 85 850lm / 11W | CD Comfort Dim (2700K-1800K) | E1 120V ELV Dim for 850-1250lm; 0-10V Dim for 2000-3000lm | B Black D Clear Diffused H Haze W White | SF Self Flange WF White Self Flange |
| NCR-86 Wall Wash | 12 1250lm / 16W | | | | |
| NCR-88 Decorative Glass* (See glass options below) | 20 2000lm / 25W 30 3000lm / 37W | | | | |

Example: **NCR-8620CDEIWF** - 8" Retrofit Wall Wash, 2000lm / 25W, Comfort Dim (2700K to 1800K), 120V input; 0-10V dimming, White Reflector / Self Flanged

Sapphire I retrofit series is a great solution to replace existing HID, CFL or incandescent light sources. Sapphire I series utilizes Comfort Dim technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage:

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. Comfort Dim is available up to 3000lm output, see website for dimmer compatibility.

CONSTRUCTION: Aluminum spun reflector attached to LED module and UTM heat sink. Reflector has disconnect. Aluminum whip connected to UL recognized junction box support LED Drive. Aluminum whip with quick connect for power connection.

INSTALLATION: The Sapphire retrofit is intended to install into existing 8" Commercial and Architectural frames by Nora. Universal flippers hold firmly in various ceiling depths. For compatible frames by others refer to spec sheet.

LISTING & WARRANTY:

- cULus Classified for Wet Location
- ENERGY STAR certified
- 10 Year Limited Warranty



8" DECORATIVE GLASS



NCR-88 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-8B/167** 8" Tempered Blue Glass with 6-5/8" Open Center
- NTG-8B/80** 8" Tempered Blue Glass with 3-1/8" Open Center
- NTG-8CF** 8" Tempered Clear Glass with Frosted Center
- NTG-8FC** 8" Tempered Frosted Glass with Clear Center
- NTG-8HC** 8" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass



SAPPHIRE II SERIES ARCHITECTURAL AND COMMERCIAL

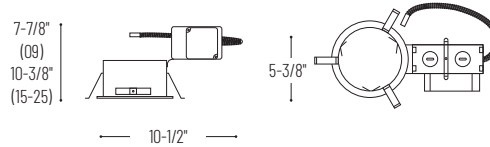
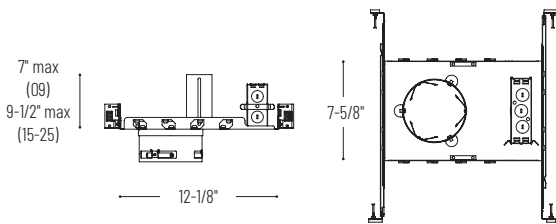
4" FRAME-INS 900LM TO 2500LM



NCAH2-430
Universal



NCHR2-434
Remodel



4" SAPPHIRE II HIGH LUMEN FRAME-INS

| FRAME TYPE | LUMENS / WATTAGE | DRIVER | OPTIONAL EMERGENCY |
|-----------------------------|---|--|--|
| NCAH2-430/ Universal | 09 900lm / 15W 15 1500lm / 18W 25 2500lm / 30W | LE3 120V Triac/ELV/0-10V Dim LE6 120-277V 0-10V Dim | EM Emergency w/ Remote Test Switch EMI Emergency w/ Integral Test Switch ¹ |
| NCHR2-434/ Remodel | | | PEM Pre-Wired for Remote Emergency |

Example: **NCAH2-430/09LE6EM** - 4" Universal New Construction Frame-in, 900lm / 15W, 120-277V input, Emergency with Remote Test Switch

¹Compatible with NC2-431 only, must specify on reflector

The Sapphire II Series is an architectural grade LED high lumen downlight. Utilizing the latest COB technology by Cree®, the COB allows for better optic control offering three beam spreads.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

900lm / 15W, 1500lm / 18W, 2500lm / 30W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K or 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to 0.064 steel junction box and driver tray. Plaster frame opening includes (3) "butterfly" spring clips to hold reflector assembly in place.

INSTALLATION:

Universal: Frame-in includes two adjustable bar hangers and universal brackets that accept flat bar hangers, C-Channel (ordered separately) or rigid 1/2" conduit.

Adjustable hanger bars with captive nails, alignment foot, T-Bar slot are included on frame. Includes an adjustable deep collar for deep ceiling applications.

Remodel: Designed for installation in existing ceilings.

Three high tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES: Frames require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

REFLECTOR: Deep cone, self flanged reflectors include specifiable beam spreads with lockable quick connection to frame-in

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- 5 Year Limited Warranty



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE II SERIES**

900LM TO 2500LM **4" REFLECTORS**



4" SAPPHIRE II HIGH LUMEN REFLECTORS

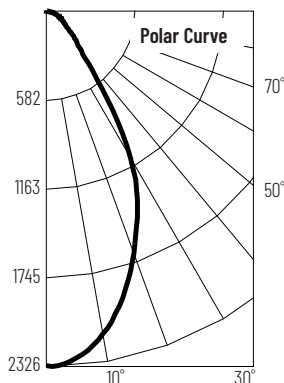
| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | REFLECTOR FINISH | FLANGE | OPTIONAL EMERGENCY |
|---|-------------------------|------------------------------------|-----------------|---------------------------------|------------------------------|--|
| NC2-431 Open Reflector | L09 900lm / 15W | 27 2700K | S Spot | B Black | SF Self Flange | EMI Integral Test Switch ¹ |
| NC2-436 Wall Wash | L15 1500lm / 18W | 30 3000K | M Medium | D Clear Diffused | WSF White Self Flange | |
| NC2-438 Decorative Glass* (See glass options below) | L25 2500lm / 30W | 35 3500K 40 4000K | F Flood | H Haze W White | | |

Example: **NC2-431L2540MDWSF** - 4" Open Reflector, 2500lm / 30W, 4000K, Medium Beam Spread, Clear Diffused, White Reflector / Self Flanged

¹ Compatible with NC2-431 only, must specify on frame-in

PHOTOMETRICS

Test Number: 727477
Part Number: NC2-431L2540MWSF
Lumens: 2412lm
Wattage: 29.3W
Efficacy: 82lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.88
Spacing Criteria (90°-270°): 0.88



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 145fc | 4'-6" |
| 6' | 64.5fc | 6'-8" |
| 8' | 36.3fc | 8'-11" |
| 10' | 23.2fc | 11'-2" |
| 12' | 16.1fc | 13'-5" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2321 |
| 5 | 2281 |
| 15 | 1935 |
| 25 | 1418 |
| 35 | 693 |
| 45 | 286 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1394 | 57.8 |
| 0-40 | 1831 | 75.9 |
| 0-60 | 2199 | 91.2 |
| 0-90 | 2392 | 99.2 |
| 90-180 | 20 | 0.8 |
| 0-180 | 2412 | 100 |

4" DECORATIVE GLASS



NC2-438 DECORATIVE GLASS OPTIONS

Glass sold separately

NTG-4SPH-CF 4" Tempered Clear Glass with Frosted Center

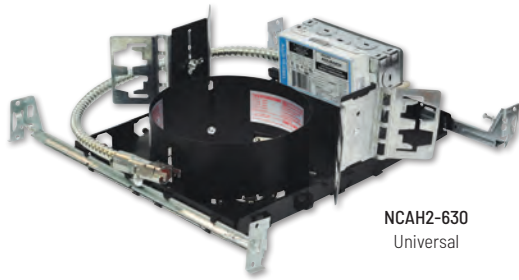
NTG-4SPH-FC 4" Tempered Frosted Glass with Clear Center

NTG-4SPH-HC 4" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass

SAPPHIRE II SERIES ARCHITECTURAL AND COMMERCIAL

6" FRAME-INS 900LM TO 4500LM



NCAH2-630
Universal

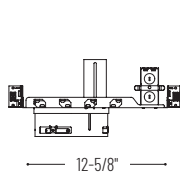


NCHR2-634
Remodel

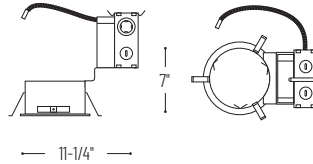


6" Sapphire II
Retrofit available.
See page 84.

8-1/4" max
(09)
10-3/4" max
(15-45)



8-3/4" max
(09)
11-1/4" max
(15-45)



6" SAPPHIRE II HIGH LUMEN FRAME-IN

| FRAME TYPE | LUMENS / WATTAGE | DRIVER | OPTIONAL EMERGENCY |
|----------------------|------------------|--|--|
| NCAH2-630/ Universal | 09 900lm / 15W | LE3 120V Triac/ELV/0-10V Dim LE6 120-277V 0-10V Dim | EM Emergency w/ Test Switch |
| | 15 1500lm / 18W | | EMI Emergency w/ Integral Test Switch ¹ |
| | 25 2500lm / 30W | | |
| NCHR2-634/ Remodel | 35 3500lm / 46W | | PEM Pre-Wired for Remote Emergency |
| | 45 4500lm / 60W | | |

Example: NCAH2-630/09LE6EM - 6" Universal New Construction Frame-in, 900lm / 16W, 120-277V input, Emergency with Remote Test Switch

¹Compatible with NC2-631 only, must specify on reflector

The Sapphire II Series is an architectural grade LED high lumen downlight. Utilizing the latest COB technology by Cree®, the COB allows for better optic control offering three beam spreads.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

900lm / 15W, 1500lm / 18W, 2500lm / 30W,
3500lm / 46W, 4500lm / 60W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K or 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to 0.064 steel junction box and driver tray. Plaster frame opening includes (3) "butterfly" spring clips to hold reflector assembly in place.

INSTALLATION:

Universal: Frame-in includes two adjustable bar hangers and universal brackets that accept flat bar hangers, C-Channel (ordered separately) or rigid 1/2" conduit. Adjustable hanger bars with captive nails, alignment foot, T-Bar slot are included on frame. Includes an adjustable deep collar for deep ceiling applications.

Remodel: Designed for installation in existing ceilings. Three high tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES: Frames require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

REFLECTOR: Deep cone, self flanged reflectors include specifiable beam spreads with lockable quick connection to frame-in

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- 5 Year Limited Warranty



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE II SERIES**

900LM TO 4500LM 6" REFLECTORS



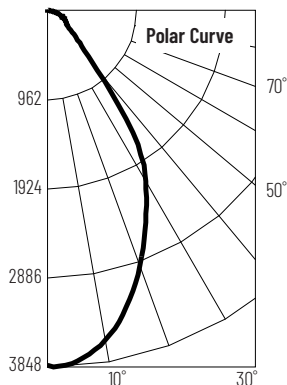
6" SAPPHIRE II HIGH LUMEN REFLECTORS

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | REFLECTOR / FLANGE FINISH | OPTIONAL EMERGENCY |
|--|-------------------------|-----------------|-----------------|---|---|
| NC2-631 Open Reflector | L09 900lm / 15W | 27 2700K | S Spot | BSF Black / Self Flanged | EMI Integral Test Switch ² ² Compatible with NC2-631 only, must specify on frame-in |
| NC2-636 Wall Wash ¹ | L15 1500lm / 18W | 30 3000K | M Medium | BWSF Black / White Flange | |
| NC2-638 Decorative Glass* ¹ (see glass options below) | L25 2500lm / 30W | 35 3500K | F Flood | DBSF Clear Diffused / Black Flange | |
| | L35 3500lm / 46W | 40 4000K | | DSF Clear Diffused / Self Flanged | |
| | L45 4500lm / 60W | | | DWSF Clear Diffused / White Flange | |
| | | | | HBSF Haze / Black Flange | |
| | | | | HSF Haze / Self Flanged | |
| | | | | HWSF Haze / White Flange | |
| | | | | WSF White / Self Flanged | |

Example: **NC2-631L2540MDWSF** - 6" Open Reflector, 2500lm / 30W, 4000K, Medium Beam Spread, Clear Diffused / White Self Flange

PHOTOMETRICS

Test Number: 727477
Part Number: NC2-631L4540MWSF
Lumens: 4395lm
Wattage: 55.5W
Efficacy: 79lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.92
Spacing Criteria (90°-270°): 0.92



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 106fc | 7'-7" |
| 9' | 47.3fc | 11'-4" |
| 12' | 26.6fc | 15'-1" |
| 15' | 17fc | 18'-11" |
| 18' | 11.8fc | 22'-8" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 3833 |
| 5 | 3769 |
| 15 | 3296 |
| 25 | 2587 |
| 35 | 1596 |
| 45 | 500 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 2429 | 55.3 |
| 0-40 | 3387 | 77.1 |
| 0-60 | 4021 | 91.5 |
| 0-90 | 4361 | 99.2 |
| 90-180 | 34.43 | 0.8 |
| 0-180 | 4395 | 100 |

6" DECORATIVE GLASS



NC2-638 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-6B/120** 6" Tempered Blue Glass with 4-3/4" Open Center
- NTG-6B/80** 6" Tempered Blue Glass with 3-1/8" Open Center
- NTG-6CF** 6" Tempered Clear Glass with Frosted Center
- NTG-6FC** 6" Tempered Frosted Glass with Clear Center
- NTG-6HC** 6" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass

SAPPHIRE II SERIES COMMERCIAL

6" RETROFIT 900LM TO 4500LM



NCR2-61
6" Open Reflector
B, D, H, W



NCR2-66
6" Wall Wash
B, D, H, W



NCR2-68 / NTG-6CF
6" Decorative Glas
B, D, H, W

6" SAPPHIRE II HIGH LUMEN RETROFIT REFLECTORS

| REFLECTOR TYPE | LUMEN / WATTAGE | COLOR TEMP | BEAM SPREAD | DRIVER | REFLECTOR / FLANGE FINISH |
|--|--|------------------------------------|-----------------|-----------------------------------|---|
| NCR2-61 Open Reflector | 09 900lm / 15W | 27 2700K | S Spot | E3 120V Triac/ELV0-10V Dim | BSF Black / Self Flanged |
| NCR2-66 Wall Wash ¹ | 15 1500lm / 18W | 30 3000K | M Medium | E6 120-277V 0-10V Dim | BWSF Black / White Flange |
| NCR2-68 Decorative Glass* ¹ (See glass options below) | 25 2500lm / 30W 35 3500lm / 46W 45 4500lm / 60W | 35 3500K 40 4000K | F Flood | | DBSF Clear Diffused / Black Flange DSF Clear Diffused / Self Flanged DWSF Clear Diffused / White Flange HBSF Haze / Black Flange HSF Haze / Self Flanged HWSF Haze / White Flange WSF White / Self Flanged |

¹ Not compatible with 4500lm / 60W

Example: **NCR2-612540SE6WSF** - 6" Retrofit Open Reflector, 2500lm / 30W, 4000K, Spot Beam Spread, 120-277V input, White Reflector / Self-Flange

The Sapphire II Series is an architectural grade LED high lumen downlight. The deep cone reflectors provide excellent visual comfort. The Retrofit Series is made to fit in existing frame-ins by Nora and others. The Sapphire II Retrofit is an energy efficient and low maintenance solution for various commercial applications.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

900lm / 16W, 1500lm / 18W, 2500lm / 30W, 3500lm / 46W, 4500lm / 60W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K or 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Aluminum spun reflector attached to LED module and UTM heat sink. Reflector has disconnect. Aluminum whip connected to UL recognized junction box support LED Drive. Aluminum whip with quick connect for power connection.

INSTALLATION: The Sapphire retrofit is intended to install into existing 6" Commercial and Architectural frames by Nora. Universal flippers hold firmly in various ceiling depths. For compatible frames by others refer to spec sheet.

LISTING & WARRANTY:

- cULus classified for Wet Location
- ENERGY STAR certified
- 5 Year Limited Warranty



6" DECORATIVE GLASS

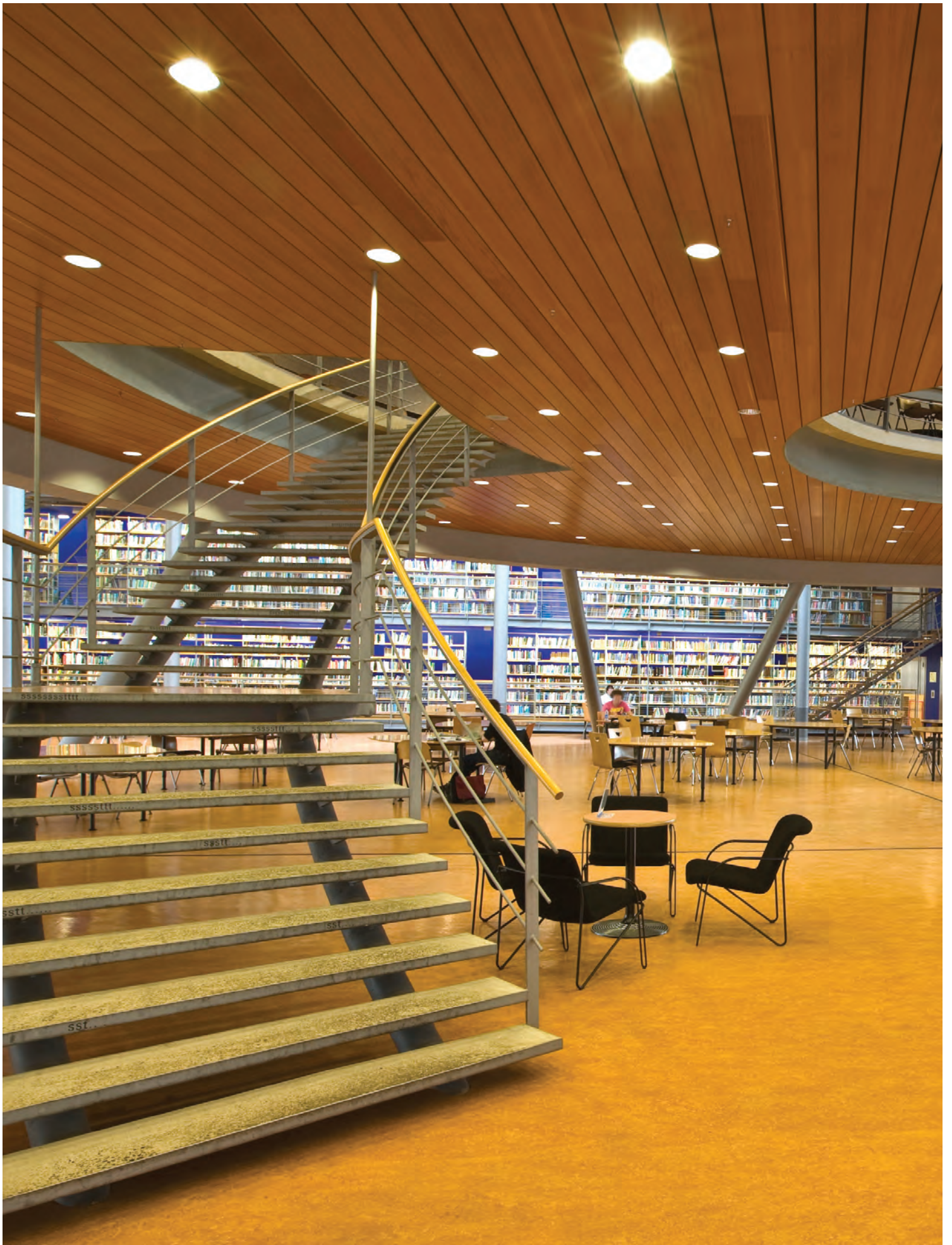


NCR2-68 DECORATIVE GLASS OPTIONS

Glass sold separately

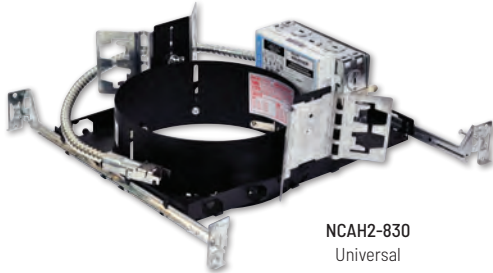
- NTG-6B/120** 6" Tempered Blue Glass with 4-3/4" Open Center
- NTG-6B/80** 6" Tempered Blue Glass with 3-1/8" Open Center
- NTG-6CF** 6" Tempered Clear Glass with Frosted Center
- NTG-6FC** 6" Tempered Frosted Glass with Clear Center
- NTG-6HC** 6" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass



SAPPHIRE II SERIES ARCHITECTURAL AND COMMERCIAL

8" FRAME-INS 900LM TO 4500LM



NCAH2-830
Universal

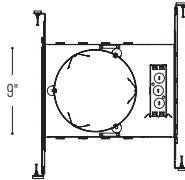
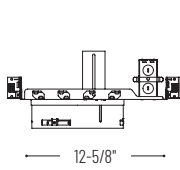


NCHR2-834
Remodel

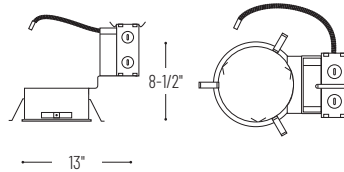


8" Sapphire II Retrofit available.
See page 88.

8-1/2" max (09)
11" max (15-45)



9-1/4" (09)
11-3/4" (15-45)



8" SAPPHIRE II HIGH LUMEN FRAME-IN

| FRAME TYPE | LUMENS / WATTAGE | DRIVER | OPTIONAL EMERGENCY |
|-----------------------------|------------------------|--|---|
| NCAH2-830/ Universal | 09 900lm / 15W | LE3 120V Triac/ELV/0-10V Dim LE6 120-277V 0-10V Dim | EM Emergency w/ Test Switch EMI Emergency w/ Integral Test Switch ¹ |
| | 15 1500lm / 18W | | |
| NCHR2-834/ Remodel | 25 2500lm / 30W | | PEM Pre-Wired for Remote Emergency |
| | 35 3500lm / 46W | | |
| | 45 4500lm / 60W | | |

Example: **NCAH2-830/15LE6EM** - 8" Universal New Construction Frame-in, 1500lm / 18W, 120-277V input, Emergency with Remote Test Switch

¹Compatible with NC2-831 only, must specify on reflector

The Sapphire II Series is an architectural grade LED high lumen downlight. Utilizing the latest COB technology by Cree®, the COB allows for better optic control offering three beam spreads.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

900lm / 15W, 1500lm / 18W, 2500lm / 30W, 3500lm / 46W, 4500lm / 60W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K or 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to 0.064 steel junction box and driver tray. Plaster frame opening includes (3) "butterfly" spring clips to hold reflector assembly in place.

INSTALLATION:

Universal: Frame-in includes two adjustable bar hangers and universal brackets that accept flat bar hangers, C-Channel (ordered separately) or rigid 1/2" conduit. Adjustable hanger bars with captive nails, alignment foot, T-Bar slot are included on frame. Includes an adjustable deep collar for deep ceiling applications.

Remodel: Designed for installation in existing ceilings. Three high tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES: Frames require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

REFLECTOR: Deep cone, self flanged reflectors include specifiable beam spreads with lockable quick connection to frame-in

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

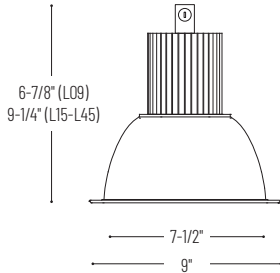
LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- 5 Year Limited Warranty



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE II SERIES**

900LM TO 4500LM 8" REFLECTORS



NC2-831
8" Open Reflector
B, D, H, W



NC2-836
8" Wall Wash
B, D, H, W



NC2-838 / NTG-8FC
8" Decorative Glass
B, D, H, W

8" SAPPHIRE II HIGH LUMEN REFLECTORS

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | REFLECTOR FINISH | FLANGE | OPTIONAL EMERGENCY |
|---|--|-----------------|-----------------|-------------------------|------------------------------|--|
| NC2-831 Open Reflector | L09 900lm / 15W | 27 2700K | S Spot | B Black | SF Self Flange | EMI Integral Test Switch ² |
| NC2-836 Wall Wash ¹ | L15 1500lm / 18W | 30 3000K | M Medium | D Clear Diffused | WSF White Self Flange | |
| NC2-838 Decorative Glass* ¹ | L25 2500lm / 30W | 35 3500K | F Flood | H Haze | | |
| (See glass options below) | L35 3500lm / 46W L45 4500lm / 60W | 40 4000K | | W White | | |

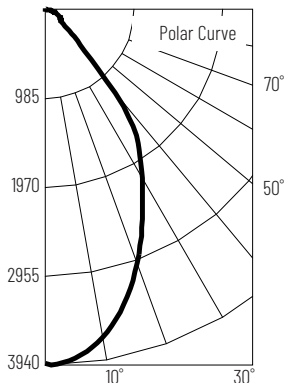
Example: **NC2-831L2540MDWSF** - 8" Open Reflector, 2500lm / 30W, 4000K, Medium Beam Spread, Clear Diffused / White Self-Flange

¹ Not compatible with 4500lm / 60W

² Compatible with NC2-831 only, must specify on frame-in

PHOTOMETRICS

Test Number: 727477
Part Number: NC2-831L4540MWSF
Lumens: 4596lm
Wattage: 56W
Efficacy: 82lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.92
Spacing Criteria (90°-270°): 0.92



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 109fc | 7'-8" |
| 9' | 48.4fc | 11'-7" |
| 12' | 27.2fc | 15'-5" |
| 15' | 17.4fc | 19'-4" |
| 18' | 12.1fc | 23'-1" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 3819 |
| 5 | 3864 |
| 15 | 3377 |
| 25 | 2555 |
| 35 | 1804 |
| 45 | 567 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 2475 | 53.8 |
| 0-40 | 3571 | 77.7 |
| 0-60 | 4266 | 92.8 |
| 0-90 | 4565 | 99.3 |
| 90-180 | 31 | 0.7 |
| 0-180 | 4596 | 100 |

8" DECORATIVE GLASS



NC2-838 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-8B/167** 8" Tempered Blue Glass with 6-5/8" Open Center
- NTG-8B/80** 8" Tempered Blue Glass with 3-1/8" Open Center
- NTG-8CF** 8" Tempered Clear Glass with Frosted Center
- NTG-8FC** 8" Tempered Frosted Glass with Clear Center
- NTG-8HC** 8" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass

SAPPHIRE II SERIES COMMERCIAL

8" RETROFIT 900LM TO 4500LM



NCR2-81
6" Open Reflector
B, D, H, W



NCR2-86
6" Wall Wash
B, D, H, W



NCR2-88 / NTG-8CF
6" Decorative Glas
B, D, H, W

8" SAPPHIRE II HIGH LUMEN RETROFIT REFLECTORS

| REFLECTOR TYPE | LUMEN / WATTAGE | COLOR TEMP | BEAM SPREAD | DRIVER | REFLECTOR FINISH | FLANGE |
|--|--|------------------------------------|-----------------|------------------------------------|---------------------------------|------------------------------|
| NCR2-81 Open Reflector | 09 900lm / 15W | 27 2700K | S Spot | E3 120V Triac/ELV/0-10V Dim | B Black | SF Self Flange |
| NCR2-86 Wall Wash ¹ | 15 1500lm / 18W | 30 3000K | M Medium | E6 120-277V 0-10V Dim | D Clear Diffused | WSF White Self Flange |
| NCR2-88 Decorative Glass* ¹ (See glass options below) | 25 2500lm / 30W 35 3500lm / 46W 45 4500lm / 60W | 35 3500K 40 4000K | F Flood | | H Haze W White | |

Example: **NCR2-812540SE6DWSF** - 8" Retrofit Open Reflector, 2500lm / 30W, 4000K, Spot Beam Spread, 120-277V input, Clear Diffused Reflector / White Self Flange

¹ Not compatible with 4500lm / 60W.

The Sapphire II Series is an architectural grade LED high lumen downlight. The deep cone reflectors provide excellent visual comfort. The Retrofit Series is made to fit in existing frame-ins by Nora and others. The Sapphire II Retrofit is an energy efficient and low maintenance solution for various commercial applications.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

900lm / 16W, 1500lm / 18W, 2500lm / 30W, 3500lm / 46W, 4500lm / 60W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K or 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Aluminum spun reflector attached to LED module and UTM heat sink. Reflector has disconnect. Aluminum whip connected to UL recognized J-box support LED Drive. Aluminum whip with quick connect for power connection.

INSTALLATION: The Sapphire retrofit is intended to install into existing 8" Commercial and Architectural frames by Nora. Universal flippers hold firmly in various ceiling depths. For compatible frames by others refer to spec sheet.

LISTING & WARRANTY:

- cULus classified for Wet Location
- ENERGY STAR certified
- 5 Year Limited Warranty

8" DECORATIVE GLASS



NCR2-88 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-8B/167** 8" Tempered Blue Glass with 6-5/8" Open Center
- NTG-8B/80** 8" Tempered Blue Glass with 3-1/8" Open Center
- NTG-8CF** 8" Tempered Clear Glass with Frosted Center
- NTG-8FC** 8" Tempered Frosted Glass with Clear Center
- NTG-8HC** 8" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

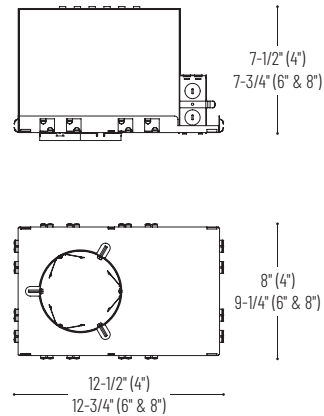
* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass





SAPPHIRE II ADJUSTABLE SERIES ARCHITECTURAL AND COMMERCIAL

4", 6" & 8" NON-IC HOUSINGS 900LM TO 3500LM



4", 6" & 8" SAPPHIRE II ADJUSTABLE NON-IC HOUSINGS

| APERTURE SIZE / HOUSING TYPE | LUMENS / WATTAGE | DRIVER | OPTIONAL EMERGENCY |
|--|--|-------------------------------------|------------------------------|
| NCAH2-439/ 4" New Construction ¹ | 09 900lm / 16W | LE3 120V Triac/ELV/0-10V Dim | /PEM Remote Emergency |
| NCAH2-639/ 6" New Construction | 15 1500lm / 24W | LE6 120-277V 0-10V Dim | |
| NCAH2-839/ 8" New Construction | 25 2500lm / 30W 35 3500lm / 46W | | |

Example: **NCAH2-439/15LE6**- 4" Sapphire II Adjustable New Construction Housing, 1500lm / 24W, 120-277V Input; 0-10V dimming

¹ 4" available in 900lm and 1500lm only

Adjustable Sapphire II COB Series is a commercial grade LED high lumen downlight. The Sapphire II uses the latest COB technology by Cree®, which allows for better optic control offering three beam spreads. Beam spreads focus the light down to the work plane from high ceiling applications. The Sapphire II series is available in 4", 6" or 8" apertures.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

900lm / 16W, 1500lm / 24W, 2500lm / 30W, 3500lm / 46W

Operating Temperature: 0°C to 45°C ambient

Color Temperature: 2700K, 3000K, 3500K or 4000K

Dimming: Triac, ELV or 0-10V must specify

CONSTRUCTION: 0.040" galvanized steel frame with integral bar hanger brackets. Brackets can accommodate longer 27" accessory flat bar hangers. Brackets run along all sides of frame to allow bar hangers to be run parallel or perpendicular to junction box.

INSTALLATION: Prewired 25 cubic inch 0.064" thick galvanized steel, with five 1/2", two 3/4" knockouts, four Romex® pryouts, and snap on covers. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Through branch circuit wiring, (4-in, 4-out).

MINIMUM CLEARANCES: Non-Insulated housings require a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components. Housings require 24" between adjacent recessed luminaires on center.

REFLECTOR: Bias cut reflector spun from 0.050 high grade aluminum allows LED light engine to illuminate along axis. Each reflector adjust up to 35° tilt (4" adjust up to 30°) and 180° rotation. Reflector include specifiable beam spreads with quick connections to housing and driver.

EMERGENCY OPTION: Housing can be specified with connections for emergency battery installation. Requires top access. Must specify battery with remote test switch separately, NEPK-07LEDUNV.

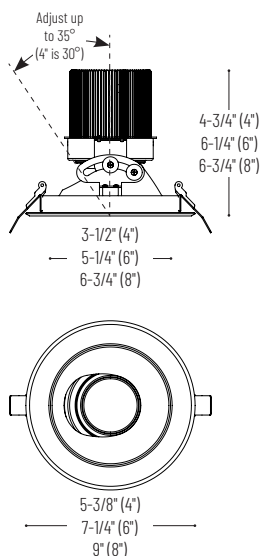
LISTING & WARRANTY:

- cULus Listed for Damp Location
- ENERGY STAR certified
- 5 Year Limited Warranty



ARCHITECTURAL AND COMMERCIAL SAPPHIRE II ADJUSTABLE SERIES

900LM TO 3500LM 4", 6" & 8" REFLECTORS



NC2-439
4" Adjustable
DWSF, HWSF, WSF



NC2-639
6" Adjustable
DWSF, HWSF, WSF



NC2-839
8" Adjustable
DWSF, HWSF, WSF

4", 6" & 8" ADJUSTABLE SAPPHIRE II REFLECTORS

| APERTURE SIZE / REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP / CRI | BEAM SPREAD | REFLECTOR / FLANGE FINISH |
|---|------------------------|--------------------------|-----------------|--|
| NC2-439 4" Adjustable Reflector ¹ | 09 900lm / 16W | 27 2700K / 90 CRI | S Spot | DWSF Clear Diffused Reflector / White Self Flange |
| NC2-639 6" Adjustable Reflector | 15 1500lm / 24W | 30 3000K / 90 CRI | M Medium | HWSF Haze Reflector / White Self Flange |
| NC2-839 8" Adjustable Reflector | 25 2500lm / 30W | 35 3500K / 90 CRI | F Flood | WSF White Reflector / White Self Flange |
| | 35 3500lm / 46W | 40 4000K / 90 CRI | | |

Example: **NC2-439L1530SWW** - 4" Adjustable Sapphire II Reflector, 1500lm / 24W LED, 3000K / 90 CRI, Spot Beam Spread, White Reflector / White Flange

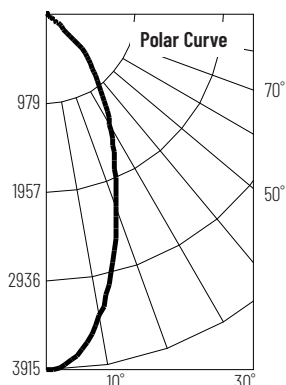
¹ 4" available in 900lm and 1500lm only

PHOTOMETRICS

Test Number: NTR11424
Part Number: NC2-839L3530SHWSF
Lumens: 3299lm
Wattage: 43.7W
Efficacy: 76lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 0.7
Spacing Criteria (90°-270°): 0.7

Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 109fc | 5'-1" |
| 8' | 61.2fc | 6'-10" |
| 10' | 39.1fc | 8'-5" |
| 12' | 27.2fc | 10'-1" |
| 14' | 20fc | 11'-10" |



Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 3915 |
| 5 | 3771 |
| 15 | 2819 |
| 25 | 1766 |
| 35 | 1078 |
| 45 | 592 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1941 | 58.8 |
| 0-40 | 2616 | 79.3 |
| 0-60 | 3180 | 96.4 |
| 0-90 | 3239 | 98.2 |
| 90-180 | 59 | 1.8 |
| 0-180 | 3299 | 100 |



Quartz Series

ARCHITECTURAL AND COMMERCIAL TUNABLE LED DOWNLIGHTING



Quartz Series is an architectural and commercial grade LED high lumen downlight. Easily upgrade old compact fluorescent, HID or line voltage frame-ins with the latest LED technology. Each luminaire includes two switches to fine tune the fixtures for each environment.

Tunable Wattage allows a single luminaire to be capable of producing four different wattages. With each different wattage selection, the lumens can be increased or decreased and still be dimmed.

Tunable White allows the kelvin temperature to be changed in the field. Each luminaire is capable of producing 3000K, 3500K or 4000K in the field.

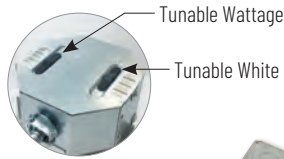
Luminaires are available in **4", 6" and 8" apertures and delivering up to 2900 lumens**. Reflectors can be installed without a housing, new construction frame-ins are available if needed. Snap-in reflectors are easily installed to change the reflector finish and appearance.





RETROFIT QUARTZ SERIES

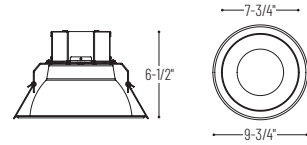
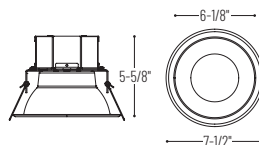
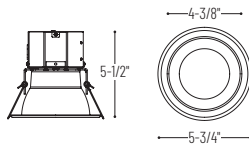
500LM TO 2900LM TUNABLE WATTAGE / TUNABLE WHITE RETROFIT



NQZ-4ITWTW-MPW
4" Open Reflector

NQZ-6ITWTW-MPW
6" Open Reflector

NQZ-8ITWTW-MPW
8" Open Reflector



QUARTZ SERIES 4", 6" & 8" RETROFIT

| SIZE / LUMENS / WATTAGE | COLOR TEMP | REFLECTOR / FLANGE FINISH |
|---|---|--------------------------------|
| NQZ-4ITW 4" (500lm, 750lm, 950lm, 1200lm) | TW Tunable (3000K, 3500K, 4000K) | -MPW Matte Powder White |
| NQZ-6ITW 6" (900lm, 1300lm, 1700lm, 2100lm) | | |
| NQZ-8ITW 8" (1700lm, 2100lm, 2500lm, 2900lm) | | |

Example: **NQZ-4ITWTW-MPW** - 4" Quartz Open Reflector, Tunable Wattage (500lm, 750lm, 950lm, 1200lm), Tunable White (3000K, 3500K, 4000K), Matte Powder White finish

Quartz Series series is an architectural and commercial grade LED high lumen downlight. Each luminaire includes two tunable switches; Tunable Wattage allows the end user to determine the lumen output & Tunable White allows for selectable kelvin temperature. Reflectors include two tension steel spring clips, which allow the luminaires to install without any frame-in or housing with easy installation.

ELECTRICAL:

Voltage: 120-277V

Lumens:

4": 500lm / 6W, 750lm / 9W, 950lm / 12W, 1200lm / 15W

6": 900lm / 10W, 1300lm / 16W, 1700lm / 21W, 2100lm / 26W

8": 1700lm / 21W, 2100lm / 25W, 2500lm / 30W, 2900lm / 34W

Color Temperature: Tunable 3000K, 3500K, or 4000K

Color Rendering Index: 90+ CRI

Dimming: 0-10V

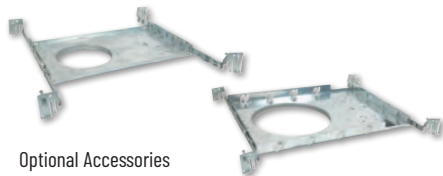
REFLECTOR: Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output

TUNABLE SWITCHES: Each luminaire includes two switches on the top of the driver enclosure. Tunable wattage switch changes the lumen output and wattage. Tunable white switch changes the kelvin temperature.

INSTALLATION: No housing is required, two tensions steel spring clips secure luminaire to ceiling. New construction frame-in kit is available.

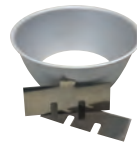
LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- 5-Year Limited Warranty
- FCC complaint



Optional Accessories

| | |
|-----------------|------------------------------|
| NQZ-4R-F | 4" New Construction Frame-In |
| NQZ-6R-F | 6" New Construction Frame-In |
| NQZ-8R-F | 8" New Construction Frame-In |



| | |
|---------------------------|----------------------|
| NQZ-4IREFL(finish) | 4" Snap-In Reflector |
| NQZ-6IREFL(finish) | 6" Snap-In Reflector |
| NQZ-8IREFL(finish) | 8" Snap-In Reflector |

Finish: **D** Clear Diffused; **HZ** Haze





Marquise I & II Series

IC-RATED COMMERCIAL & HIGH-END RESIDENTIAL LED DOWNLIGHTING



Marquise Series is also available in Retrofit. See pages 103, 107, 108, 115 and 119.

The **Marquise I and Marquise II Series of high performance LED downlights** for commercial and high-end residential applications. Using the same high efficiency Cree® LED package as the Sapphire Series, the Marquise Series is available in 4", 5" and 6" apertures for use in IC and non-IC applications.

Marquise Slope Series is available in **Retrofit or Dedicated IC Air-Tight housings**. Sloped reflectors produce **up to 1400 lumens** with White Light or Comfort Dim LED technology.

White Light Dimming (Marquise II) features lumen packages from 850 to 2500 lumens with specifiable beam spreads and smooth consistent dimming down to 5%.

Comfort Dimming (Marquise I) features lumen packages from 850 to 2000 lumens with smooth, gradual even line dimming from 2700K down to 1800K. Comfort Dimming is perfect for restaurants, multi-use rooms and high-end residential applications where warm color tuning is important to the ambiance of the occasion or function.

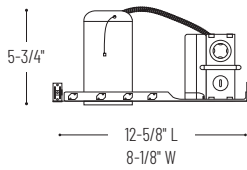


MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

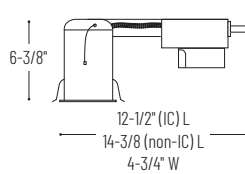
4" HOUSINGS 850LM OR 1250LM



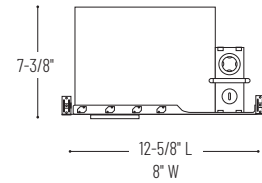
NHM-4 / NHMIC-4
New Construction



NHRM-4 / NHRMIC-4
Remodel



NHMICD-4
IC Double Wall



4" MARQUISE I COMFORT DIM HOUSINGS

| HOUSING TYPE | | LUMENS / WATTAGE | LED MODULE | DRIVER | EMERG |
|-----------------|-------------------------|------------------------|------------------------------------|---|---|
| NHMIC-4 | ICAT New Construction | 85 850lm / 11W | C Comfort Dim (2700K-1800K) | LE1 120V ELV Dim LE2 277V 0-10V Dim LE4 120V 0-10V Dim | EM Emerg w/ Remote Test Switch (New Construction only) PEM Pre-Wired for Emerg (Remodel and Double Wall) |
| NHRMIC-4 | ICAT Remodel | | | | |
| NHM-4 | Non-IC New Construction | 12 1250lm / 16W | | | |
| NHRM-4 | Non-IC Remodel | | | | |
| NHMICD-4 | ICAT Double Wall | | | | |

Example: **NHM-412CLE1** - 4" Non-IC New Construction Housing, 1250lm / 16W, Comfort Dim, 120V input; Triac/ELV dimming

Commercial grade LED high lumen downlights featuring deep cone reflectors. Marquise I series utilizes Comfort Dim technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage: 850lm / 11W or 1250lm / 16W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. See website for dimmer compatibility.

CONSTRUCTION: Architectural quality 0.050 galvanized steel and aluminum housing connected to junction box with driver tray and quick connects.

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements.

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall and remodel housings require separate emergency kit (NEPK-07LEDUNV) and access from above.

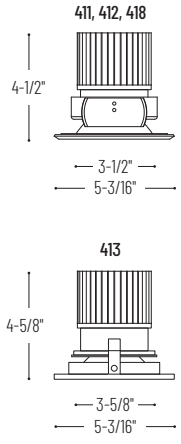
LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMMERCIAL & RESIDENTIAL MARQUISE I SERIES

850LM OR 1250LM 4" REFLECTORS



NRM-411
4" Open Reflector
BB, BW, BZ, CO, CW, DD, DW,
HZ, HZW, MPW, NN, WW



NRM-412
4" Baffle
BW, BZ, CO, MPW, NN, WW



NRM-413
4" Square Round Reflector
BZ, CW, HZW, MPW, NN, WW



NRM-418 / NTG-4B/80
4" Decorative Glass
BB, BW, BZ, CO, CW, DD, DW,
HZ, HZW, MPW, NN, WW

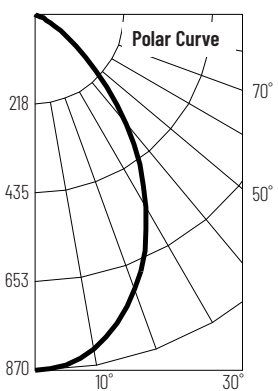
4" MARQUISE I COMFORT DIM REFLECTORS

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | FINISH |
|---------------------------------------|-------------------------|-------------------------------------|--|
| NRM-411 Open Reflector | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | BB Black with Black Flange |
| NRM-412 Baffle | L12 1250lm / 16W | | BW Black with White Flange |
| NRM-413 Square Round Reflector | | | BZ Bronze with Bronze Flange |
| NRM-418 Decorative Glass* | | | CO Copper with Copper Flange |
| | | | CW Specular Clear with White Flange |
| | | | DD Diffused Clear with Diffused Flange |
| | | | DW Diffused Clear with White Flange |
| | | | HZ Haze with Haze Flange |
| | | | HZW Haze with White Flange |
| | | | MPW Matte Powder White with Matte Powder White Flange |
| | | | NN Natural Metal with Natural Metal Flange |
| | | | WW White with White Flange |

Example: **NRM-411L12CDBW** - 4" Open Reflector, 1250lm / 16W, Comfort Dim (2700K to 1800K), Black Reflector / White Flange

PHOTOMETRICS

Test Number: 727184
Part Number: NRM-411L1240DW
Lumens: 1190lm
Wattage: 16.6W
Efficacy: 72lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.02
Spacing Criteria (90°-270°): 1.02



| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 44.7fc | 5'-8" |
| 6' | 24.2fc | 8'-7" |
| 8' | 13.6fc | 11'-6" |
| 10' | 8.7fc | 14'-4" |
| 12' | 6 | 17'-2" |

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 870 |
| 5 | 860 |
| 15 | 781 |
| 25 | 637 |
| 35 | 448 |
| 45 | 249 |

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 591 | 49.7 |
| 0-40 | 870 | 73.1 |
| 0-60 | 1153 | 96.9 |
| 0-90 | 1190 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1190 | 100 |

4" DECORATIVE GLASS



NRM-418 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-4B/80** 4" Tempered Blue Glass with 3-1/8" Open Center
- NTG-4CF** 4" Tempered Clear Glass with Frosted Center
- NTG-4FC** 4" Tempered Frosted Glass with Clear Center
- NTG-4HC** 4" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass.

MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

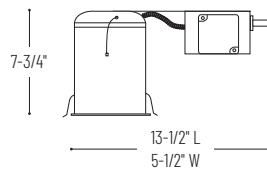
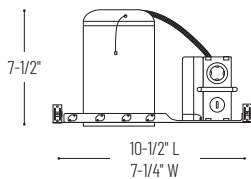
5" HOUSINGS 850LM TO 2000LM



NHM-5 / NHMIC-5
New Construction



NHRM-5 / NHRMIC-5
Remodel



5" Marquise
Retrofit available.
See page 103.

5" MARQUISE I COMFORT DIM HOUSINGS

| HOUSING TYPE | | LUMENS / WATTAGE | LED MODULE | DRIVER | EMERGENCY |
|-----------------|-------------------------|------------------------|------------------------------------|---------------------------|--|
| NHMIC-5 | IC New Construction | 85 850lm / 11W | C Comfort Dim (2700K-1800K) | LE1 120V ELV Dim | EM Emerg w/ Remote Test Switch (New Construction only) |
| NHRMIC-5 | IC Remodel | | | LE2 277V 0-10V Dim | |
| NHM-5 | Non-IC New Construction | 12 1250lm / 16W | | LE4 120V 0-10V Dim | PEM Pre-Wired for Emerg (Remodel only) |
| NHRM-5 | Non-IC Remodel | 20 2000lm / 25W | | | |

Example: **NHM-520CLE1** - 5" New Construction Housing, 2000lm / 25W, Comfort Dim, 120V input; Triac/ELV dimming

Commercial grade LED high lumen downlights featuring deep cone reflectors. Marquise I series utilizes Comfort Dim technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage:

850lm / 11W, 1250lm / 16W, 2000lm / 25W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. See website for dimmer compatibility.

CONSTRUCTION: Architectural quality 0.050 galvanized steel and aluminum housing connected to junction box with driver tray and quick connects.

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

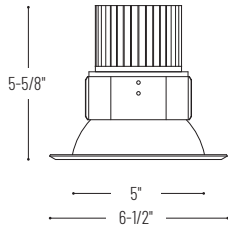
EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Remodel housings require separate emergency kit (**NEPK-07LEDUNV**) and access from above.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMMERCIAL & RESIDENTIAL **MARQUISE I SERIES**
850LM TO 2000LM 5" REFLECTORS



NRM-511
5" Open Reflector
BB, BW, BZ, CO, CW, DD, DW,
HZW, MPW, NN, WW



NRM-512
5" Baffle
BW, BZ, CO, MPW, NN, WW



NRM-518 / NTG-5CF
5" Decorative Glass
BB, BW, BZ, CO, CW, DD, DW,
HZW, MPW, NN, WW

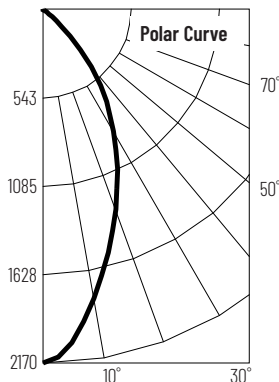
5" MARQUISE I COMFORT DIM REFLECTORS

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | FINISH |
|----------------------------------|-------------------------|-------------------------------------|--|
| NRM-511 Open Reflector | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | BB Black with Black Flange |
| NRM-512 Baffle | L12 1250lm / 16W | | BW Black with White Flange |
| NRM-518 Decorative Glass* | L20 2000lm / 25W | | BZ Bronze with Bronze Flange |
| | | | CO Copper with Copper Flange |
| | | | CW Specular Clear with Copper Flange |
| | | | DD Diffused Clear with Diffused Flange |
| | | | DW Diffused Clear with White Flange |
| | | | HZ Haze with Haze Flange |
| | | | HZW Haze with White Flange |
| | | | NN Natural Metal with Natural Metal Flange |
| | | | MPW Matte Powder White with Matte Powder White Flange |
| | | | WW White with White Flange |

Example: **NRM-511L12CDBW** - 5" Open Reflector, 1250lm / 16W, Comfort Dim (2700K to 1800K), Black Reflector / White Flange

PHOTOMETRICS

Test Number: 727277
Part Number: NRM-511L2040DW
Lumens: 1778lm
Wattage: 25W
Efficacy: 71lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.74
Spacing Criteria (90°-270°): 0.74



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 136fc | 3'-8" |
| 6' | 60.3fc | 5'-7" |
| 8' | 33.9fc | 7'-5" |
| 10' | 21.7fc | 9'-4" |
| 12' | 15.1fc | 11'-2" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2170 |
| 5 | 2052 |
| 15 | 1546 |
| 25 | 1083 |
| 35 | 689 |
| 45 | 235 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1116 | 62.7 |
| 0-40 | 1537 | 86.4 |
| 0-60 | 1776 | 99.9 |
| 0-90 | 1778 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1778 | 100 |

5" DECORATIVE GLASS



NRM-518 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-5B/80** 5" Tempered Blue Glass with 3-1/8" Open Center
- NTG-5CF** 5" Tempered Clear Glass with Frosted Center
- NTG-5FC** 5" Tempered Frosted Glass with Clear Center
- NTG-5HC** 5" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass

MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

5" ADJUSTABLES 850LM TO 2000LM



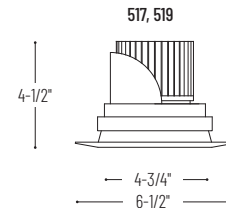
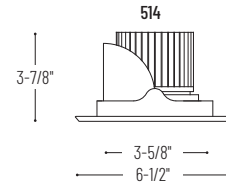
NRM-514
5" Surface Adjustable (30°)
BZ, C, MPW, NN, WW



NRM-517
5" Adjustable Regressed Baffle (30°)
BZ, MPW, NN, WW



NRM-519
5" Adjustable Regressed Reflector (30°)
BZ, CW, HZW, MPW, NN, WW



5" MARQUISE I COMFORT DIM ADJUSTABLES

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | FINISH |
|---|-------------------------|-------------------------------------|--|
| NRM-514 Surface Adjustable | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | BZ Bronze with Bronze Flange |
| NRM-517 Adjustable Regressed Baffle | L12 1250lm / 16W | | C Chrome |
| NRM-519 Adjustable Regressed Reflector | L20 2000lm / 25W | | CW Specular Clear with White Flange |
| | | | HZW Haze with White Flange |
| | | | MPW Matte Powder White with Matte Powder White Flange |
| | | | NN Natural Metal with Natural Metal Flange |
| | | | WW White with White Flange |

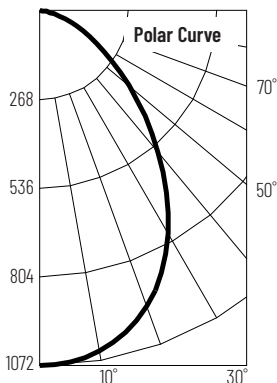
Example: **NRM-514L85CDBZ** - 5" Surface Adjustable Reflector, 850lm / 11W, Comfort Dim (2700K to 1800K), Bronze with Bronze Flange

PHOTOMETRICS

Test Number: NTR11050
Part Number: NRM-514L2040WW
Lumens: 2124lm
Wattage: 26W
Efficacy: 81lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.12
Spacing Criteria (90°-270°): 1.12

Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 66.9fc | 7'-4" |
| 6' | 29.7fc | 10'-11" |
| 8' | 16.7fc | 14'-7" |
| 10' | 10.7fc | 18'-2" |
| 12' | 7.4fc | 21'-10" |



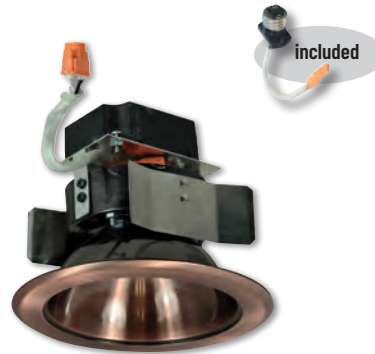
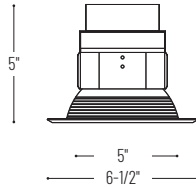
Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1070 |
| 5 | 1063 |
| 15 | 1002 |
| 25 | 874 |
| 35 | 689 |
| 45 | 483 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 783 | 36.9 |
| 0-40 | 1210 | 57 |
| 0-60 | 1844 | 86.8 |
| 0-90 | 2108 | 99.2 |
| 90-180 | 16 | 0.8 |
| 0-180 | 2124 | 100 |

COMMERCIAL AND RESIDENTIAL **MARQUISE I SERIES**
850 LUMEN LED 5" RETROFIT



NRMC-51
5" Open Reflector
BB, BW, BZ, CO, CW, DD, DW,
HZ, HZW, MPW, NN, WW



NRMC-52
5" Baffle
BW, BZ, CO, MPW, NN, WW

5" MARQUISE I COMFORT DIM RETROFIT

| REFLECTOR TYPE | LUMEN | COLOR TEMP | FINISH |
|---|------------------------|-------------------------------------|--|
| NRMC-51 Open Reflector NRMC-52 Baffle Units are cULus classified for use with Nora housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | BB Black with Black Flange BW Black with White Flange BZ Bronze with Bronze Flange CO Copper with Copper Flange CW Specular Clear with Copper Flange DD Diffused Clear with Diffused Flange DW Diffused Clear with White Flange HZ Haze with Haze Flange HZW Haze with White Flange MPW Matte Powder White with Matte Powder White Flange NN Natural Metal with Natural Metal Flange WW White with White Flange |

Example: **NRMC-51L85CDBW** - 5" Retrofit Open Reflector, 850lm / 11W, Comfort Dim (2700K to 1800K) Black Reflector with White Flange

Marquise 5" Retrofit LEDs feature a deep cone for visual comfort and offer the 850 lumen Comfort Dim option for areas critical to ambience and feel. The retrofit fits 5" IC and non-IC housings by Nora and others. Use Marquise Retrofits for a dramatic, economical, dimmable experience in commercial and residential spaces.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 850lm / 11W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. See website for dimmer compatibility.

MOUNTING: Trim includes friction blades to mount trim securely to housing.

RETROFIT: Marquise retrofit series includes medium base socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

LISTING & WARRANTY:

- cULus classified for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMPATIBLE HOUSINGS

New Construction

- NHIC-5LMRAT** 5" ICAT Dedicated LED
- NHIC-5LMRAT/277** 5" ICAT Dedicated LED, 277V
- NFBIC-5LMRATA** 5" ICAT Dedicated LED Fire Box
- NHIC-501QAT** 5" ICAT Line Voltage
- NFBIC-5INCATA** 5" ICAT Line Voltage Fire Box
- NH-501Q** 5" Line Voltage
- NHIC-5G24ATFL** 5" ICAT GU24¹

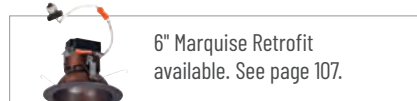
Remodel

- NHRIC-5LMRAT** 5" Remodel ICAT Dedicated LED
- NHRIC-504QAT** 5" Remodel ICAT Line Voltage
- NHR-504Q** 5" Remodel Line Voltage
- NHRIC-5G24ATFL** 5" Remodel ICAT GU24¹

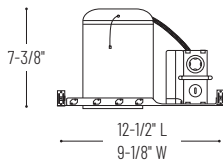
¹Requires **NRA-212SM** - GU24 adaptor

MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

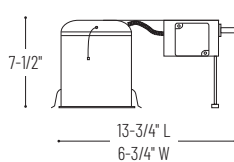
6" HOUSINGS 850LM TO 2000LM



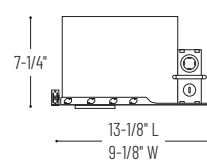
NHM-6 / NHMIC-6
New Construction



NHRM-6 / NHRMIC-6
Remodel



NHMICD-6
IC Double Wall



6" MARQUISE I COMFORT DIM HOUSINGS

| HOUSING TYPE | LUMENS / WATTAGE | LED MODULE | DRIVER | EMERG |
|--------------------------------------|------------------------|------------------------------------|---|---|
| NHMIC-6 IC New Construction | 85 850lm / 11W | C Comfort Dim (2700K-1800K) | LE1 120V ELV Dim LE2 277V 0-10V Dim LE4 120V 0-10V Dim | EM Emerg w/ Remote Test Switch (New Construction only) PEM Pre-Wired for Emergency (Remodel and Double Wall) |
| NHRMIC-6 IC Remodel | | | | |
| NHM-6 Non-IC New Construction | 12 1250lm / 16W | | | |
| NHRM-6 Non-IC Remodel | 20 2000lm / 25W | | | |
| NHMICD-6 IC Double Wall | | | | |
| | | | | |

Example: **NHM-620CLE1** - 6" Non-IC New Construction Housing, 2000lm / 25W, Comfort Dim, 120V input; Triac/ELV Dimming

Commercial grade LED high lumen downlights featuring deep cone reflectors. Marquise I series utilizes Comfort Dim technology. The patented approach enables precise color management to preserve reliable high color consistency over the life of the product.

ELECTRICAL:

Voltage: 120V or 277V AC

Lumens / Wattage:

850lm / 11W, 1250lm / 16W, 2000lm / 25W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. See website for dimmer compatibility.

CONSTRUCTION: Architectural quality 0.050 galvanized steel and aluminum housing connected to junction box with driver tray and quick connects.

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirement

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall and remodel housings require separate emergency kit (NEPK-07LEDUNV) and access from above.

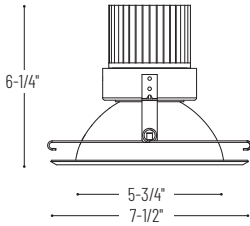
LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMMERCIAL & RESIDENTIAL MARQUISE I SERIES

850LM TO 2000LM 6" REFLECTORS



NRM-611
6" Open Reflector
BB, BW, BZ, CO, DB, DD, DW,
HZ, HZW, MPW, NN, WW



NRM-612
6" Baffle
BW, BZ, CO, MPW, NN, WW



NRM-618 / NTG-6CF
6" Decorative Glass
BB, BW, BZ, CO, DB, DD, DW,
HZ, HZW, MPW, NN, WW

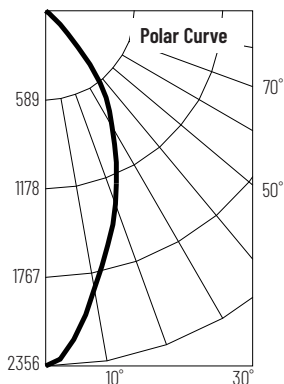
6" MARQUISE I COMFORT DIM REFLECTORS

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | FINISH |
|----------------------------------|-------------------------|-------------------------------------|--|
| NRM-611 Open Reflector | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | BB Black with Black Flange |
| NRM-612 Baffle | L12 1250lm / 16W | | BW Black with White Flange |
| NRM-618 Decorative Glass* | L20 2000lm / 25W | | BZ Bronze with Bronze Flange |
| | | | CO Copper with Copper Flange |
| | | | DB Diffused Clear with Black Flange |
| | | | DD Diffused Clear with Diffused Flange |
| | | | DW Diffused Clear with White Flange |
| | | | HZ Haze with Haze Flange |
| | | | HZW Haze with White Flange |
| | | | MPW Matte Powder White with Matte Powder White Flange |
| | | | NN Natural Metal with Natural Metal Flange |
| | | | WW White with White Flange |

Example: **NRM-611L12CDBW** - 6" Open Reflector, 1250lm / 16W, Comfort Dim (2700K to 1800K), Black Reflector with White Flange

PHOTOMETRICS

Test Number: 727354
Part Number: NRM-611L2040DW
Lumens: 1798lm
Wattage: 25W
Efficacy: 72lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): .07
Spacing Criteria (90°-270°): .07



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 147fc | 3'-6" |
| 6' | 65.4fc | 5'-4" |
| 8' | 36.8fc | 7' |
| 10' | 23.6fc | 8'-10" |
| 12' | 16.4fc | 10'-6" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2356 |
| 5 | 2190 |
| 15 | 1607 |
| 25 | 1110 |
| 35 | 701 |
| 45 | 210 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1159 | 64.5 |
| 0-40 | 1589 | 88.4 |
| 0-60 | 1798 | 100 |
| 0-90 | 1798 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1798 | 100 |

6" DECORATIVE GLASS



NRM-618 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-6B/120** 6" Tempered Blue Glass with 4-3/4" Open Center
- NTG-6B/80** 6" Tempered Blue Glass with 3-1/8" Open Center
- NTG-6CF** 6" Tempered Clear Glass with Frosted Center
- NTG-6FC** 6" Tempered Frosted Glass with Clear Center
- NTG-6HC** 6" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass

MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

6" ADJUSTABLES 850LM TO 2000LM



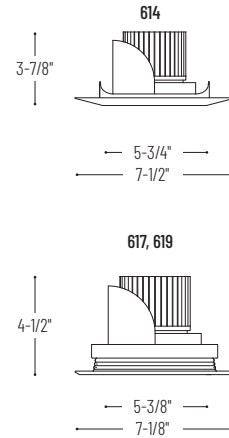
NRM-614
6" Surface Adjustable (30°)
B, BZ, C, MPW, NN, WW



NRM-617
6" Adjustable Regressed Baffle (30°)
BW, BZ, MPW, NN, WW



NRM-619
6" Adjustable Regressed Reflector (30°)
BW, BZ, CO, CW, HZW, MPW, NN, WW



6" MARQUISE I COMFORT DIM ADJUSTABLES

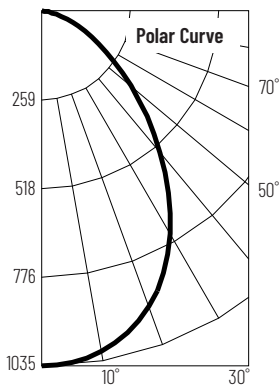
| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | FINISH |
|---|-------------------------|-------------------------------------|--|
| NRM-614 Surface Adjustable | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | B Black |
| NRM-617 Adjustable Regressed Baffle | L12 1250lm / 16W | | BW Black with White Flange |
| NRM-619 Adjustable Regressed Reflector | L20 2000lm / 25W | | BZ Bronze with Bronze Flange |
| | | | C Chrome |
| | | | CO Copper with Copper Flange |
| | | | CW Specular Clear with White Flange |
| | | | HZW Haze with White Flange |
| | | | MPW Matte Powder White with Matte Powder White Flange |
| | | | NN Natural Metal with Natural Metal Flange |
| | | | WW White with White Flange |

Example: **NRM-614L85CDBZ** - 6" Surface Adjustable Reflector, 850lm / 11W, Comfort Dim (2700K to 1800K), Bronze with Bronze Flange

PHOTOMETRICS

Test Number: 727401
Part Number: NRM-614L2040WW
Lumens: 1951lm
Wattage: 25W
Efficacy: 78lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.12
Spacing Criteria (90°-270°): 1.12

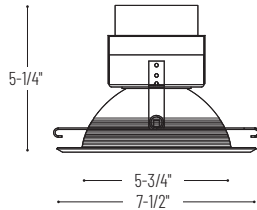
| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 64.7fc | 7" |
| 6' | 28.8fc | 10'-6" |
| 8' | 16.2fc | 13'-11" |
| 10' | 10.4fc | 17'-5" |
| 12' | 7.2fc | 20'-11" |



| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1035 |
| 5 | 1028 |
| 15 | 972 |
| 25 | 843 |
| 35 | 648 |
| 45 | 435 |

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 757 | 38.8 |
| 0-40 | 1161 | 59.5 |
| 0-60 | 1732 | 88.8 |
| 0-90 | 1951 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1951 | 100 |

COMMERCIAL & RESIDENTIAL **MARQUISE I SERIES**
850LM 6" RETROFIT



NRMCM-61
6" Open Reflector
BB, BW, BZ, CO, DB, DD, DW,
HZ, HZW, MPW, NN, WW



NRMCM-62
6" Baffle
BW, BZ, CO, MPW, NN, WW

6" MARQUISE I COMFORT DIM RETROFIT

| REFLECTOR TYPE | LUMEN | COLOR TEMP | FINISH |
|---|------------------------|-------------------------------------|---|
| NRMCM-61 Open Reflector NRMCM-62 Baffle Units are cULus classified for use with Nora housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | L85 850lm / 11W | CD Comfort Dim (2700K-1800K) | BB Black with Black Flange BW Black with White Flange BZ Bronze with Bronze Flange CO Copper with Copper Flange DB Diffused Clear with Black Flange DD Diffused Clear with Diffused Flange DW Diffused Clear with White Flange HZ Haze with Haze Flange HZW Haze with White Flange MPW Matte Powder White with Matte Powder White Flange NN Natural Metal with Natural Metal Flange WW White with White Flange |

Example: **NRMCM-61L85CDBW** - 6" Open Reflector Retrofit, 850lm / 11W, Comfort Dim (2700K to 1800K), Black Reflector with White Flange

Marquise 6" Retrofit LEDs feature a deep cone for visual comfort and offer the 850 lumen Comfort Dim option for areas critical to ambience and feel. The retrofit fits 6" IC and non-IC housings by Nora and others. Use Marquise Retrofits for a dramatic, economical, dimmable experience in commercial and residential spaces.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 850lm / 11W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. See website for dimmer compatibility.

MOUNTING: Trim includes torsion springsto mount trim securely to housing.

RETROFIT: Marquise retrofit series includes medium base socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

LISTING & WARRANTY:

- cULus classified for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMPATIBLE HOUSINGS

New Construction

- NHIC-6LMRAT** 6" ICAT Dedicated LED
- NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V
- NFBIC-6LMRATA** 6" ICAT Dedicated LED Fire Box
- NHIC-17QAT** 6" ICAT Line Voltage
- NHIC-17QNBAT** 6" ICAT Line Voltage (No Bracket)
- NFBIC-6INCATA** 6" ICAT Line Voltage Fire Box
- NH-26Q** 6" Line Voltage
- NH-26QNB** 6" Line Voltage (No Bracket)
- NHIC-6G24ATFL** 6" ICAT GU24¹

Remodel

- NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED
- NHRIC-17QAT** 6" Remodel ICAT Line Voltage
- NHRIC-17QNBAT** 6" ICAT Line Voltage (No Bracket)
- NHR-26Q** 6" Remodel Line Voltage
- NHRIC-6G24ATFL** 6" Remodel ICAT GU24¹

¹Requires NRA-212SM - GU24 adaptor

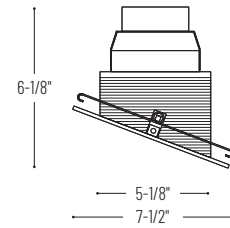
MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

6" SLOPE RETROFIT 850LM



NRMC-6S11
6" Slope Reflector
B, W

NRMC-6S12
6" Slope Baffle
B, W



6" MARQUISE I SLOPE RETROFIT

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | FINISH |
|---|------------------------|--|--|
| NRMC-6S11 Slope Retrofit Reflector | L85 850lm / 11W | 27 2700K | B Black with White Flange W White with White Flange |
| NRMC-6S12 Slope Retrofit Baffle | | 30 3000K 35 3500K 40 4000K CD Comfort Dim (2700K-1800K) | |

Example: **NRMC-6S11L85CDW** - 6" Slope Retrofit Reflector, 850lm / 11W, Comfort Dim (2700K to 1800K), White Reflector with White Flange

Marquise 6" Slope Retrofit LEDs feature a deep cone for visual comfort and offer the 850 lumen Comfort Dim option for areas critical to ambience and feel. The retrofit fits 6" IC and non-IC housings by Nora and others. Use Marquise Retrofits for a dramatic, economical, dimmable experience in commercial and residential spaces.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 850lm / 11W

Color Rendering Index: 90+ CRI

Color Temperature: Comfort Dim (2700K-1800K)

Dimming: ELV

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. See website for dimmer compatibility.

MOUNTING: Trim includes torsion springs to mount trim securely to housing.

RETROFIT: Marquise retrofit series includes medium base socket adapter (NRA-21ISM) for retrofitting into existing medium base downlight housings.

LISTING & WARRANTY:

- cULus classified for Damp Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty

COMPATIBLE HOUSINGS

New Construction

NHMC-926LMRAT 6" ICAT Dedicated LED

NHIC-9260AT 6" ICAT Line Voltage

NH-926Q 6" Line Voltage

Remodel

NHRMIC-926LMRAT 6" Remodel ICAT Dedicated LED

NHRIC-9260AT 6" Remodel ICAT Line Voltage

NHR-926Q 6" Remodel Line Voltage



The Marquise 6" Slope Retrofit accommodates slope ceilings up to 23 degrees (6/12). The deep set optics can be adjusted to match the slope degree.



LIGHTING TIP

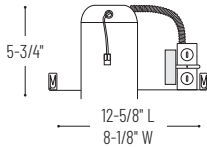
The Marquise LED Retrofit is an excellent solution to a remodel with existing housings. The Marquise is available in Comfort Dim allowing for 2700K to 1800K dimming in key areas of the remodel, such as a theater room, lobby, restaurant, or multi-purpose room.

MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

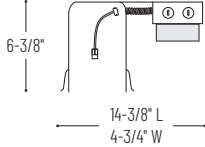
4" HOUSINGS 900LM TO 1500LM



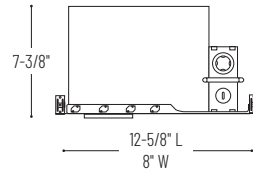
NHM2-4 / NHMIC2-4
New Construction



NHRM2-4 / NHRMIC2-4
Remodel



NHMIC2-4
IC Double Wall



4" MARQUISE II HOUSINGS

| HOUSING TYPE | LUMENS / WATTAGE | DRIVER | EMERGENCY |
|---------------------------------------|------------------------|--|---|
| NHMIC2-4 IC New Construction | 09 900lm / 15W | LE3 120V Triac/ELV/0-10V Dim LE6 120-277V 0-10V Dim | EM Emerg w/ Remote Test Switch (New Construction only) PEM Pre-Wired for Emerg (Remodel and Double Wall) |
| NHRMIC2-4 IC Remodel | | | |
| NHM2-4 Non-IC New Construction | 15 1500lm / 18W | | |
| NHRM2-4 Non-IC Remodel | | | |
| NHMIC2-4 IC Double Wall New | | | |

Example: **NHM2-415LE6** - 4" New Construction Housing, 1500lm / 18W, 120-277V input, 0-10V dimming

Commercial grade LED high lumen downlights featuring deep cone reflectors. The Marquise II Series features Cree® dimmable COB LEDs and Philips drivers with optimized optics to meet any application.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage: 900lm / 15W or 1500lm / 18W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Architectural quality 0.050 galvanized steel and aluminum housing connected to junction box with driver tray and quick connects.

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall and remodel housings require separate emergency kit (**NEPK-07LEDUNV**) and access from above.

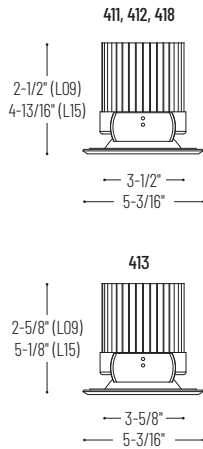
LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMMERCIAL & RESIDENTIAL MARQUISE II SERIES

900LM TO 1500LM 4" REFLECTORS



NRM2-411
4" Open Reflector
BB, BW, BZ, CO, CW, DD, DW,
HZ, HZW, MPW, NN, WW



NRM2-412
4" Baffle
BW, BZ, CO, MPW, NN, WW



NRM2-413
4" Square Round Reflector
BZ, CW, HZW, MPW, NN, WW



NRM2-418 / NTG-4B/80
4" Decorative Glass
BB, BW, BZ, CO, CW, DD, DW,
HZ, HZW, MPW, NN, WW

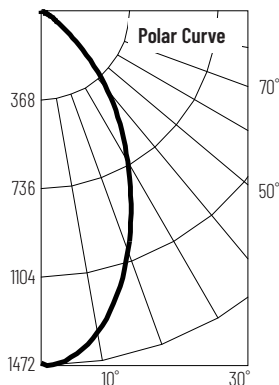
4" MARQUISE II REFLECTORS

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | FINISH |
|--|-------------------------|-----------------|-----------------|--|
| NRM2-411 Open Reflector | L09 900lm / 15W | 27 2700K | S Spot | BB Black with Black Flange |
| NRM2-412 Baffle | L15 1500lm / 18W | 30 3000K | M Medium | BW Black with White Flange |
| NRM2-413 Square Round Reflector | | 35 3500K | F Flood | BZ Bronze with Bronze Flange |
| NRM2-418 Decorative Glass* | | 40 4000K | | CO Copper with Copper Flange |
| | | | | CW Specular Clear with White Flange |
| | | | | DD Diffused Clear with Diffused Flange |
| | | | | DW Diffused Clear with White Flange |
| | | | | HZ Haze with Haze Flange |
| | | | | HZW Haze with White Flange |
| | | | | MPW Matte Powder White with Matte Powder White Flange |
| | | | | NN Natural Metal with Natural Metal Flange |
| | | | | WW White with White Flange |

Example: **NRM2-411L1530SBW** - 4" Open Reflector, 1500lm / 18W, 3000K, Spot Beam Spread, Black Reflector with White Flange

PHOTOMETRICS

Test Number: NTR11006
Part Number: NRM2-411L1540MCW
Beam Spread: Narrow Flood
Lumens: 1604lm
Wattage: 16.5W
Efficacy: 97lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.88
Spacing Criteria (90°-270°): 0.88



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 91.4fc | 4'-6" |
| 6' | 40.6fc | 6'-10" |
| 8' | 22.8fc | 9'-1" |
| 10' | 14.6fc | 11'-5" |
| 12' | 10.2fc | 13'-7" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1462 |
| 5 | 1443 |
| 15 | 1222 |
| 25 | 884 |
| 35 | 572 |
| 45 | 291 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 878 | 54.8 |
| 0-40 | 1235 | 77 |
| 0-60 | 1553 | 96.8 |
| 0-90 | 1592 | 99.2 |
| 90-180 | 0 | 0 |
| 0-180 | 1604 | 100 |

4" DECORATIVE GLASS



NRM2-418 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-4B/80** 4" Tempered Blue Glass with 3-1/8" Open Center
- NTG-4CF** 4" Tempered Clear Glass with Frosted Center
- NTG-4FC** 4" Tempered Frosted Glass with Clear Center
- NTG-4HC** 4" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

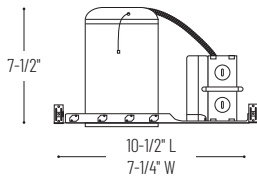
* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass

MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

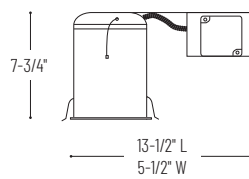
5" HOUSINGS 900LM TO 2500LM



NHM2-5 / NHMIC2-5
New Construction



NHRM2-5 / NHRMIC2-5
Remodel



5" Marquise II
LED Retrofit
available.
See page 115.

5" MARQUISE II HOUSINGS

| HOUSING TYPE | | LUMENS / WATTAGE | DRIVER | EMERGENCY |
|------------------|-------------------------|------------------------|--|--|
| NHMIC2-5 | IC New Construction | 09 900lm / 15W | LE3 120V Triac/ELV/0-10V Dim LE6 120-277V 0-10V Dim | EM Emerg w/ Remote Test Switch (New Construction only) PEM Pre-Wired for Emerg (Remodel only) |
| NHRMIC2-5 | IC Remodel | | | |
| NHM2-5 | Non-IC New Construction | 15 1500lm / 18W | | |
| NHRM2-5 | Non-IC Remodel | 25 2500lm / 30W | | |

Example: **NHM2-515LE6** - 5" New Construction Housing, 1500lm / 18W, 120-277V input; 0-10V dimming

Commercial grade LED high lumen downlights featuring deep cone reflectors. The Marquise II Series features Cree® dimmable COB LEDs and Philips drivers with optimized optics to meet any application.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

900lm / 15W, 1500lm / 18W, 2500lm / 30W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Architectural quality 0.050 galvanized steel and aluminum housing connected to junction box with driver tray and quick connects.

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Remodel housings require separate emergency kit (**NEPK-07LEDUNV**) and access from above.

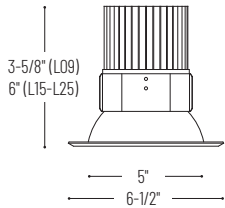
LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMMERCIAL & RESIDENTIAL MARQUISE II SERIES

900LM TO 2500LM 5" REFLECTORS



NRM2-511
5" Open Reflector
BB, BW, BZ, CO, CW, DD, DW, HZW,
MPW, NN, WW



NRM2-512
5" Baffle
BW, BZ, CO, MPW, NN, WW



NRM2-518 / NTG-5CF
5" Decorative Glass
BB, BW, BZ, CO, CW, DD, DW, HZW,
MPW, NN, WW

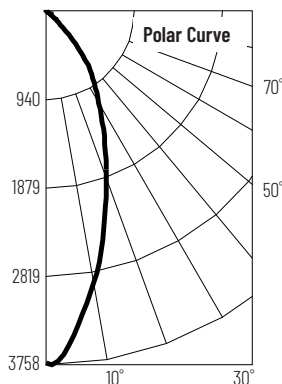
5" MARQUISE II REFLECTORS

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | FINISH |
|-----------------------------------|-------------------------|------------------------------------|-----------------|--|
| NRM2-511 Open Reflector | L09 900lm / 15W | 27 2700K | S Spot | BB Black with Black Flange |
| NRM2-512 Baffle | L15 1500lm / 18W | 30 3000K | M Medium | BW Black with White Flange |
| NRM2-518 Decorative Glass* | L25 2500lm / 30W | 35 3500K 40 4000K | F Flood | BZ Bronze with Bronze Flange CO Copper with Copper Flange CW Specular Clear with Copper Flange DD Diffused Clear with Diffused Flange DW Diffused Clear with White Flange HZ Haze with Haze Flange HZW Haze with White Flange NN Natural Metal with Natural Metal Flange MPW Matte Powder White with Matte Powder White Flange WW White with White Flange |

Example: **NRM2-511L0930MBW** - 5" Open Reflector, 900lm / 15W, 3000K, Medium Beam Spread, Black Reflector / White Flange

PHOTOMETRICS

Test Number: NTR11016
Part Number: NRM2-511L2540MWW
Lumens: 2531lm
Wattage: 28.8W
Efficacy: 88lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.62
Spacing Criteria (90°-270°): 0.64



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 104fc | 4'-5" |
| 9' | 46.2fc | 6'-7" |
| 12' | 26fc | 8'-10" |
| 15' | 16.6fc | 11' |
| 18' | 11.6fc | 13'-2" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 3744 |
| 5 | 3446 |
| 15 | 2373 |
| 25 | 1465 |
| 35 | 874 |
| 45 | 305 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1647 | 65.1 |
| 0-40 | 2190 | 86.5 |
| 0-60 | 2508 | 99.1 |
| 0-90 | 2512 | 99.2 |
| 90-180 | 0 | 0 |
| 0-180 | 2531 | 100 |

5" DECORATIVE GLASS



NRM2-518 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-5B/80** 5" Tempered Blue Glass with 3-1/8" Open Center
- NTG-5CF** 5" Tempered Clear Glass with Frosted Center
- NTG-5FC** 5" Tempered Frosted Glass with Clear Center
- NTG-5HC** 5" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass

MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

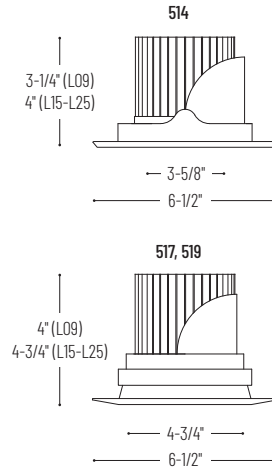
5" ADJUSTABLES 850LM TO 2000LM



NRM2-514
5" Surface Adjustable (22°)
BZ, C, MPW, NN, WW

NRM2-517
5" Adjustable Regressed Baffle (22°)
BZ, MPW, NN, WW

NRM2-519
5" Adjustable Regressed Reflector (22°)
BZ, CW, HZW, MPW, NN, WW



5" MARQUISE II ADJUSTABLES

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | FINISH |
|--|-------------------------|------------------------------------|-----------------|---|
| NRM2-514 Surface Adjustable | L09 900lm / 15W | 27 2700K | S Spot | BZ Bronze with Bronze Flange |
| NRM2-517 Adjustable Regressed Baffle | L15 1500lm / 18W | 30 3000K | M Medium | C Chrome |
| NRM2-519 Adjustable Regressed Reflector | L25 2500lm / 30W | 35 3500K 40 4000K | F Flood | CW Specular Clear with White Flange HWZ Haze with White Flange MPW Matte Powder White with Matte Powder White Flange NN Natural Metal with Natural Metal Flange WW White with White Flange |

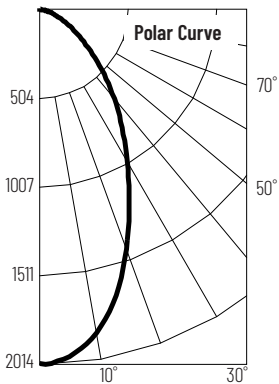
Example: **NRM2-514L0927MBZ** - 5" Surface Adjustable Reflector, 900lm / 15W, 2700K, Medium Beam Spread, Bronze with Bronze Flange

PHOTOMETRICS

Test Number: NTR11024
Part Number: NRM2-514L2540MWW
Beam Spread: Narrow Flood
Lumens: 2646lm
Wattage: 28.8W
Efficacy: 92lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.86
Spacing Criteria (90°-270°): 0.86

Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 125fc | 4'-7" |
| 6' | 55.8fc | 6'-11" |
| 8' | 31.4fc | 9'-1" |
| 10' | 20.1fc | 11'-5" |
| 12' | 13.9fc | 13'-11" |



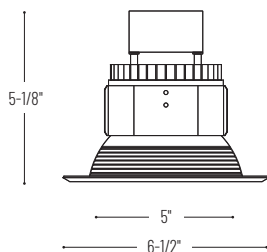
Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2008 |
| 5 | 1974 |
| 15 | 1678 |
| 25 | 1203 |
| 35 | 815 |
| 45 | 519 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1206 | 45.6 |
| 0-40 | 1717 | 64.9 |
| 0-60 | 2384 | 90.1 |
| 0-90 | 2625 | 99.2 |
| 90-180 | 21 | 0.8 |
| 0-180 | 2646 | 100 |

COMMERCIAL & RESIDENTIAL **MARQUISE II SERIES**
900LM 5" RETROFIT



NRMCM2-51
5" Open Reflector
BB, BW, BZ, CO, CW, DD, DW,
HZ, HZW, MPW, NN, WW

NRMCM2-52
5" Baffle
BW, BZ, CO, MPW, NN, WW

5" MARQUISE II RETROFIT

| REFLECTOR TYPE | LUMEN | COLOR TEMP | BEAM SPREAD | FINISH |
|---|------------------------|-----------------|--|---|
| NRMCM2-51 Open Reflector | L09 900lm / 15W | 27 2700K | S Spot | BB Black with Black Flange |
| NRMCM2-52 Baffle | | 30 3000K | M Medium | BW Black with White Flange |
| Units are cULus classified for use with Nora housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | | 35 3500K | F Flood | BZ Bronze with Bronze Flange |
| | | 40 4000K | | CO Copper with Copper Flange |
| | | | | CW Specular Clear with Copper Flange |
| | | | | DD Diffused Clear with Diffused Flange |
| | | | DW Diffused Clear with White Flange | |
| | | | HZ Haze with Haze Flange | |
| | | | HZW Haze with White Flange | |
| | | | MPW Matte Powder White with Matte Powder White Flange | |
| | | | NN Natural Metal with Natural Metal Flange | |
| | | | WW White with White Flange | |

Example: **NRMCM2-51L0930SBW** - 5" Open Reflector Retrofit, 900lm / 15W, 3000K, Spot Beam Spread, Black Reflector, White Flange

Marquise II 5" Retrofit LEDs feature a deep cone for visual comfort. The retrofit fits 5" IC and non-IC housings by Nora and others. Use Marquise Retrofits for a dramatic, economical, dimmable experience in commercial and residential spaces.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 900lm / 15W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

Dimming: Triac or ELV

MOUNTING: Trim includes friction blades to mount trim securely to housing.

RETROFIT: Marquise retrofit series includes medium base socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

LISTING & WARRANTY:

- cULus classified for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMPATIBLE HOUSINGS

New Construction

- NHIC-5LMRAT** 5" ICAT Dedicated LED
- NHIC-5LMRAT/277** 5" ICAT Dedicated LED, 277V
- NFBIC-5LMRATA** 5" ICAT Dedicated LED Fire Box
- NHIC-501QAT** 5" ICAT Line Voltage
- NFBIC-5INCATA** 5" ICAT Line Voltage Fire Box
- NH-501Q** 5" Line Voltage
- NHIC-5G24ATFL** 5" ICAT GU24¹

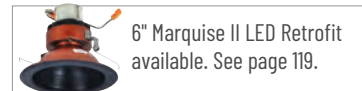
Remodel

- NHRIC-5LMRAT** 5" Remodel ICAT Dedicated LED
- NHRIC-504QAT** 5" Remodel ICAT Line Voltage
- NHR-504Q** 5" Remodel Line Voltage
- NHRIC-5G24ATFL** 5" Remodel ICAT GU24¹

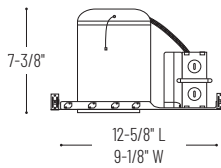
¹ Requires NRA-212SM - GU24 adaptor

MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

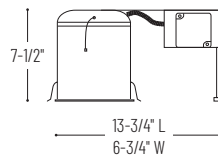
6" HOUSINGS 900LM TO 2500LM



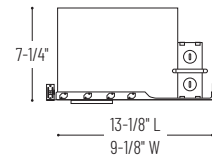
NHM2-6 / NHMIC2-6
New Construction



NHRM2-6 / NHRMIC2-6
Remodel



NHMICD2-6
IC Double Wall



6" MARQUISE II HOUSINGS

| HOUSING TYPE | LUMENS / WATTAGE | DRIVER | EMERGENCY |
|---------------------------------------|------------------------|-------------------------------------|---|
| NHMIC2-6 IC New Construction | 09 900lm / 15W | LE3 120V Triac/ELV/0-10V Dim | EM Emerg w/ Remote Test Switch (New Construction only) |
| NHRMIC2-6 IC Remodel | | LE6 120-277V 0-10V Dim | PEM Pre-Wired for Emerg (Remodel and Double Wall) |
| NHM2-6 Non-IC New Construction | 15 1500lm / 18W | | |
| NHRM2-6 Non-IC Remodel | 25 2500lm / 30W | | |
| NHMICD2-6 IC Double Wall | | | |

Example: **NHM2-625LE6** - 6" New Construction Housing, 2500lm / 30W, 120-277V input; 0-10V dimming

Commercial grade LED high lumen downlights featuring deep cone reflectors. The Marquise II Series features Cree® dimmable COB LEDs and Philips drivers with optimized optics to meet any application.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

900lm / 15W, 1500lm / 18W, 2500lm / 30W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: Architectural quality 0.050 galvanized steel and aluminum housing connected to junction box with driver tray and quick connects.

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall and remodel housings require separate emergency kit (**NEPK-07LEDUNV**) and access from above.

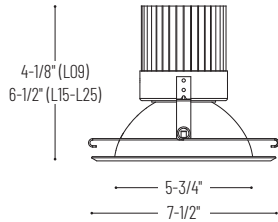
LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMMERCIAL & RESIDENTIAL MARQUISE II SERIES

900LM TO 2500LM 6" REFLECTORS



NRM2-611
6" Open Reflector
BB, BW, BZ, CO, DB, DD, DW,
HZ, HZW, MPW, NN, WW



NRM2-612
6" Baffle
BW, BZ, CO, MPW, NN, WW



NRM2-618 / NTG-6CF
6" Decorative Glass
BB, BW, BZ, CO, DB, DD, DW,
HZ, HZW, MPW, NN, WW

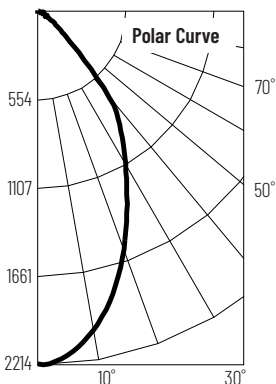
6" MARQUISE II REFLECTORS

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | FINISH |
|-----------------------------------|-------------------------|------------------------------------|-----------------|---|
| NRM2-611 Open Reflector | L09 900lm / 15W | 27 2700K | S Spot | BB Black with Black Flange |
| NRM2-612 Baffle | L15 1500lm / 18W | 30 3000K | M Medium | BW Black with White Flange |
| NRM2-618 Decorative Glass* | L25 2500lm / 30W | 35 3500K 40 4000K | F Flood | BZ Bronze with Bronze Flange CO Copper with Copper Flange DB Diffused Clear with Black Flange DD Diffused Clear with Diffused Flange DW Diffused Clear with White Flange HZ Haze with Haze Flange HZW Haze with White Flange MPW Matte Powder White with Matte Powder White Flange NN Natural Metal with Natural Metal Flange WW White with White Flange |

Example: **NRM2-611L1530FBW** - 6" Open Reflector, 1500lm / 18W, 3000K, Flood Beam Spread, Black Reflector / White Flange

PHOTOMETRICS

Test Number: NTR11039
Part Number: NRM2-611L2540MWW
Beam Spread: Narrow Flood
Lumens: 2445lm
Wattage: 29W
Efficacy: 84lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.86
Spacing Criteria (90°-270°): 0.86



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 61.4fc | 6"-11" |
| 9' | 27.3fc | 10'-5" |
| 12' | 15.4fc | 13'-11" |
| 15' | 9.8fc | 17'-4" |
| 18' | 6.8fc | 20'-10" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2211 |
| 5 | 2156 |
| 15 | 1831 |
| 25 | 1334 |
| 35 | 917 |
| 45 | 378 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1322 | 54.1 |
| 0-40 | 1891 | 77.3 |
| 0-60 | 2314 | 94.6 |
| 0-90 | 2427 | 99.3 |
| 90-180 | 0 | 0 |
| 0-180 | 2445 | 100 |

6" DECORATIVE GLASS



NRM2-618 DECORATIVE GLASS OPTIONS

Glass sold separately

- NTG-6B/120** 6" Tempered Blue Glass with 4-3/4" Open Center
- NTG-6B/80** 6" Tempered Blue Glass with 3-1/8" Open Center
- NTG-6CF** 6" Tempered Clear Glass with Frosted Center
- NTG-6FC** 6" Tempered Frosted Glass with Clear Center
- NTG-6HC** 6" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open Center

* Reflector supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass

MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

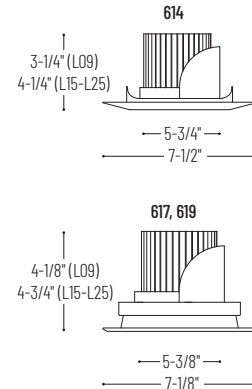
6" ADJUSTABLES 900LM TO 2500LM



NRM2-614
6" Surface Adjustable (25°)
B, BZ, C, MPW, NN, WW

NRM2-617
6" Adjustable Regressed Baffle (25°)
BW, BZ, MPW, NN, WW

NRM2-619
6" Adjustable Regressed Reflector (25°)
BW, BZ, CO, CW, HZW, MPW, NN, WW



6" MARQUISE II ADJUSTABLES

| REFLECTOR TYPE | LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | FINISH |
|--|-------------------------|------------------------------------|-----------------|--|
| NRM2-614 Surface Adjustable | L09 900lm / 15W | 27 2700K | S Spot | B Black |
| NRM2-617 Adjustable Regressed Baffle | L15 1500lm / 18W | 30 3000K | M Medium | BW Black with White Flange |
| NRM2-619 Adjustable Regressed Reflector | L25 2500lm / 30W | 35 3500K 40 4000K | F Flood | BZ Bronze with Bronze Flange C Chrome CO Copper with Copper Flange CW Specular Clear with White Flange HZW Haze with White Flange MPW Matte Powder White with Matte Powder White Flange NN Natural Metal with Natural Metal Flange WW White with White Flange |

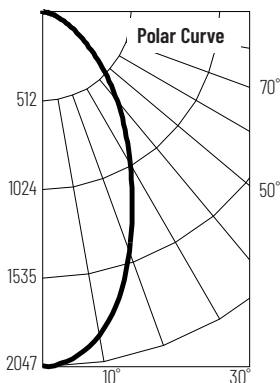
Example: **NRM2-614L0927MBZ** - 6" Surface Adjustable Reflector, 900lm / 15W, 2700K, Medium Beam Spread, Bronze with Bronze Flange

PHOTOMETRICS

Test Number: NTR11045
Part Number: NRM2-614L2540MWW
Beam Spread: Narrow Flood
Lumens: 2677lm
Wattage: 29.1W
Efficacy: 92lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.86
Spacing Criteria (90°-270°): 0.86

Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 127fc | 4'-7" |
| 6' | 56.6fc | 6'-11" |
| 8' | 31.8fc | 9'-2" |
| 10' | 20.4fc | 11'-6" |
| 12' | 14.2fc | 13'-10" |



Candela Table

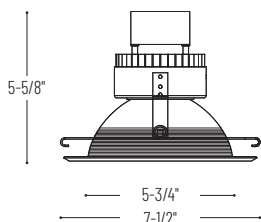
| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 2038 |
| 5 | 2008 |
| 15 | 1716 |
| 25 | 1226 |
| 35 | 830 |
| 45 | 521 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 1230 | 46 |
| 0-40 | 1750 | 65.4 |
| 0-60 | 2413 | 90.2 |
| 0-90 | 2658 | 99.3 |
| 90-180 | 19 | 0.7 |
| 0-180 | 2677 | 100 |

COMMERCIAL & RESIDENTIAL MARQUISE II SERIES

900LM 6" RETROFIT



NRM2-61
6" Open Reflector
BB, BW, BZ, CO, DB, DD, DW,
HZ, HZW, MPW, NN, WW



NRM2-62
6" Baffle
BW, BZ, CO, MPW, NN, WW

6" MARQUISE II RETROFIT

| REFLECTOR TYPE | LUMEN | COLOR TEMP | BEAM SPREAD | FINISH |
|-------------------------------|------------------------|-----------------|-----------------|--|
| NRM2-61 Open Reflector | L09 900lm / 15W | 27 2700K | S Spot | BB Black with Black Flange |
| NRM2-62 Baffle | | 30 3000K | M Medium | BW Black with White Flange |
| | | 35 3500K | F Flood | BZ Bronze with Bronze Flange |
| | | 40 4000K | | CO Copper with Copper Flange |
| | | | | DB Diffused Clear with Black Flange |
| | | | | DD Diffused Clear with Diffused Flange |
| | | | | DW Diffused Clear with White Flange |
| | | | | HZ Haze with Haze Flange |
| | | | | HZW Haze with White Flange |
| | | | | MPW Matte Powder White with Matte Powder White Flange |
| | | | | NN Natural Metal with Natural Metal Flange |
| | | | | WW White with White Flange |

Example: **NRM2-61L09030MBW** - 6" Open Reflector Retrofit, 900lm / 15W, 3000K, Medium Beam Spread, Black Reflector / White Flange

Marquise II 6" Retrofit LEDs feature a deep cone for visual comfort. The retrofit fits 5" IC and non-IC housings by Nora and others. Use Marquise Retrofits for a dramatic, economical, dimmable experience in commercial and residential spaces.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 900lm / 15W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

Dimming: Triac or ELV

MOUNTING: Trim includes torsion springs to mount trim securely to housing.

RETROFIT: Marquise retrofit series includes medium base socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

LISTING & WARRANTY:

- cULus classified for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMPATIBLE HOUSINGS

New Construction

NHIC-6LMRAT 6" ICAT Dedicated LED

NHIC-6LMRAT/277 6" ICAT Dedicated LED, 277V

NFBIC-6LMRATA 6" ICAT Dedicated LED Fire Box

NHIC-17QAT 6" ICAT Line Voltage

NHIC-17QNBAT 6" ICAT Line Voltage (No Bracket)

NFBIC-6INCATA 6" ICAT Line Voltage Fire Box

NH-26Q 6" Line Voltage

NH-26QNB 6" Line Voltage (No Bracket)

NHIC-6G24ATFL 6" ICAT GU24¹

Remodel

NHRIC-6LMRAT 6" Remodel ICAT Dedicated LED

NHRIC-17QAT 6" Remodel ICAT Line Voltage

NHRIC-17QNBAT 6" ICAT Line Voltage (No Bracket)

NHR-26Q 6" Remodel Line Voltage

NHRIC-6G24ATFL 6" Remodel ICAT GU24¹

¹ Requires NRA-212SM - GU24 adaptor

MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

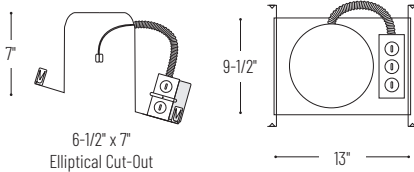
6" SLOPE HOUSINGS 1400LM



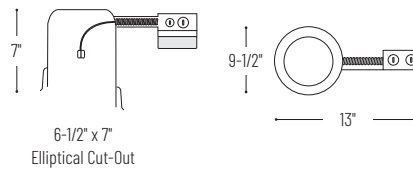
NHMIC2-926
New Construction



NHRMIC2-926
Remodel



6-1/2" x 7"
Elliptical Cut-Out



6-1/2" x 7"
Elliptical Cut-Out

6" MARQUISE II SLOPE HOUSINGS

| HOUSING TYPE | LUMENS / WATTAGE | DRIVER | EMERGENCY |
|---------------------------------------|------------------------|-------------------------------------|---|
| NHMIC2-926 IC New Construction | 14 1400lm / 18W | LE3 120V Triac/ELV/0-10V Dim | EM Emergency w/ Remote Test Switch (New Construction only) |
| NHRMIC2-926 IC Remodel | | LE6 120-277V 0-10V Dim | PEM Pre-Wired for Emergency (Remodel only) |

Example: **NHMIC2-92614LE6** - 6" New Construction Housing, 1400lm / 18W, 120-277V input; 0-10V dimming

Nora Lighting's IC construction housing for sloped ceiling offer a clear path of unobstructed light from a 6/12 pitch ceiling to any floor or surface or 12/12 pitch with designated trims. Air-tight housing additionally reduces energy costs by decreasing the flow or air escaping through the ceiling. Rated for direct contact with insulation and adjacent ceiling structures. Nora's sloped IC housings are easy and quick to install and accepts Marquise II sloped reflectors.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage: 1400lm / 18W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V

CONSTRUCTION: High quality 0.035 galvanized steel housing and frame. Riveted wrap and dome cap construction.

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

MINIMUM CLEARANCES:

IC housings are rated for direct contact and do not have any minimum clearance requirements

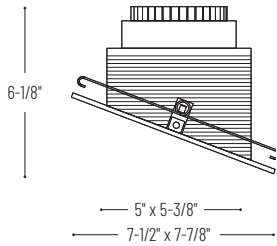
EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Remodel housings require separate emergency kit (**NEPK-07LEDUNV**) and access from above.

LISTING & WARRANTY:

- cULus Listed for Damp Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- Meets or exceeds ASTM-283 Air-Tight requirements
- 5 Year Limited Warranty



COMMERCIAL & RESIDENTIAL **MARQUISE II SERIES**
1400LM 6" SLOPE REFLECTORS



NRM2-6S11
 6" Slope Reflector
 B, W



NRM2-6S12
 6" Slope Baffle
 B, W

6" MARQUISE II SLOPE REFLECTORS

| REFLECTOR TYPE | LUMEN | COLOR TEMP | BEAM SPREAD | FINISH |
|----------------------------------|-------------------------|-----------------|-----------------|----------------------------------|
| NRM2-6S11 Slope Reflector | L14 1400lm / 18W | 27 2700K | S Spot | B Black with White Flange |
| NRM2-6S12 Slope Baffle | | 30 3000K | M Medium | W White with White Flange |
| | | 35 3500K | F Flood | |
| | | 40 4000K | | |

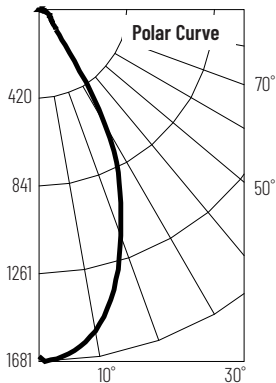
Example: **NRM2-6S11L1427MW** - 6" Slope Reflector, 1400lm / 18W, 2700K, Medium Beam Spread, White Reflector with White Flange

PHOTOMETRICS

Test Number: NTR21119
Part Number: NRM2-6S11L1440MW
Beam Spread: Narrow Flood
Lumens: 1443lm
Wattage: 16.7W
Efficacy: 87lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 0.82
Spacing Criteria (90°-270°): 0.82

Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 46fc | 6" |
| 9' | 20.4fc | 9'-1" |
| 12' | 11.5fc | 12'-1" |
| 15' | 7.4fc | 15'-1" |
| 18' | 5.1fc | 18'-1" |



Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1656 |
| 5 | 1641 |
| 15 | 1373 |
| 25 | 914 |
| 35 | 309 |
| 45 | 106 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 949 | 65.7 |
| 0-40 | 1163 | 80.6 |
| 0-60 | 1304 | 90.4 |
| 0-90 | 1417 | 98.2 |
| 90-180 | 27 | 1.8 |
| 0-180 | 1443 | 100 |



Iolite Series

SMALL APERTURE LED DOWNLIGHTING



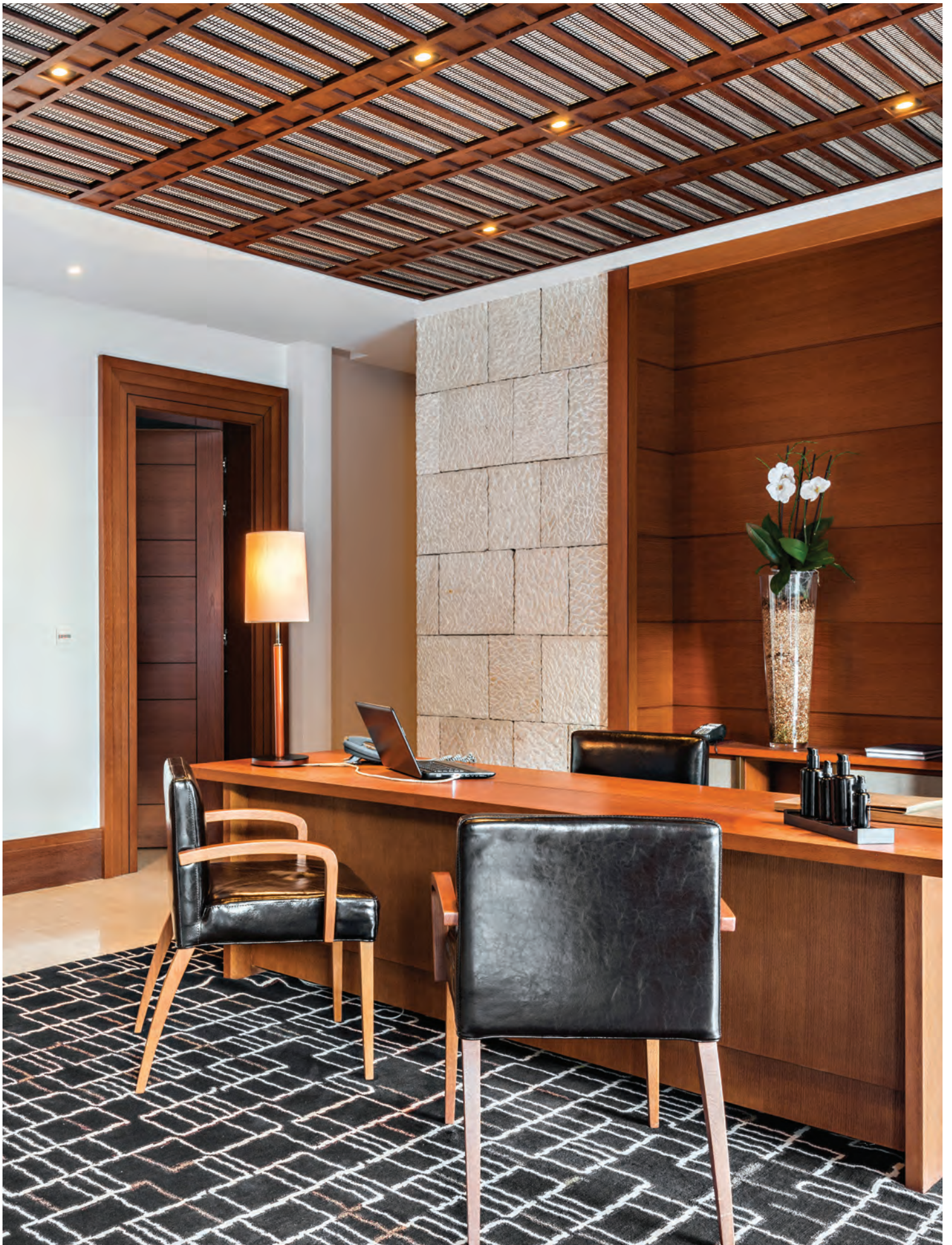
Iolite Series is also available in 4" Retrofit, see page 142.

The award winning **Iolite Downlight Series** is a small aperture, specification grade LED downlight family. The modular system offers thousands of design possibilities in **1", 2" or 4" apertures and delivering up to 2500 lumens**. Reflector options include round or square apertures with flanged, trimless or flush mount options. Each reflector ships with three field changeable optics to direct the beam of light where needed, optional Premium TIR optics are also available.

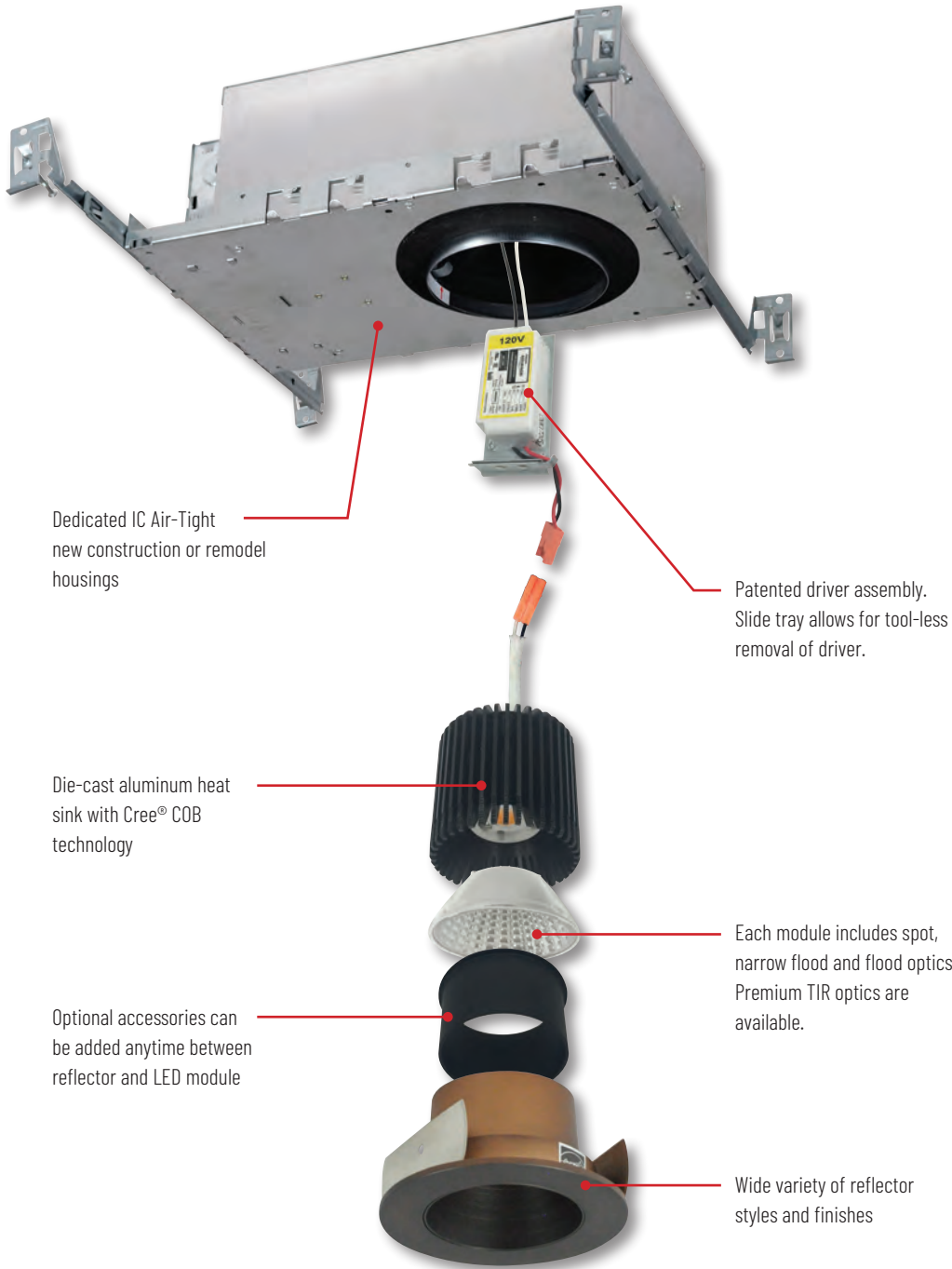
iPOINT Monopoint Series allows a single low voltage LED luminaire to utilize Iolite recessed housings. Utilizing the same LED technology as the Iolite Series, iPOINT fixtures are miniature monopoints available in **1" and 2" sizes and two unique designs delivering up to 1000 lumens**.

Iolite High Lumen Series expands the **2" and 4" reflectors options by producing up to 2500 lumens** with a dedicated IC Air-Tight new construction housing. High Lumen Series uses the same reflectors, but includes premium TIR optics for higher ceiling applications.





IOLITE DOWNLIGHT SYSTEM



REFLECTOR FINISHES



BB Black / Black

BW Black / White

BZ Bronze / Bronze

CHMPW Champagne Haze / Matte Powder White

HW Haze / White

HZMPW Haze / Matte Powder White

MPW Matte Powder White

NN Natural Metal

WW White / White

FIXTURES SHOWN ACTUAL SIZE

COB technology module features die-cast aluminum heat dissipating fins. The module's fine threads screw into the die-cast aluminum reflector.

Reflectors are constructed of die-cast aluminum and available in a variety of finishes. The COB optics are deep set for low aperture brightness and each reflector includes three field-changeable optics for spot, narrow flood or flood beam spreads.

DIRECTED LIGHT

The Iolite is designed with dedicated optics offered in flood, narrow flood and spot patterns. The optics, included with each reflector, can easily be selected and installed during final installation, no tools required. The specially designed optics produce more usable light, ultimately reducing the amount of wattage required to light a space or highlight an object. Many other LED downlights waste light production and have to use higher wattage fixtures to produce the same desired effects that the Iolite luminaires produce with less wattage.



1" IOLITE

2" IOLITE

THREE FINISHING OPTIONS



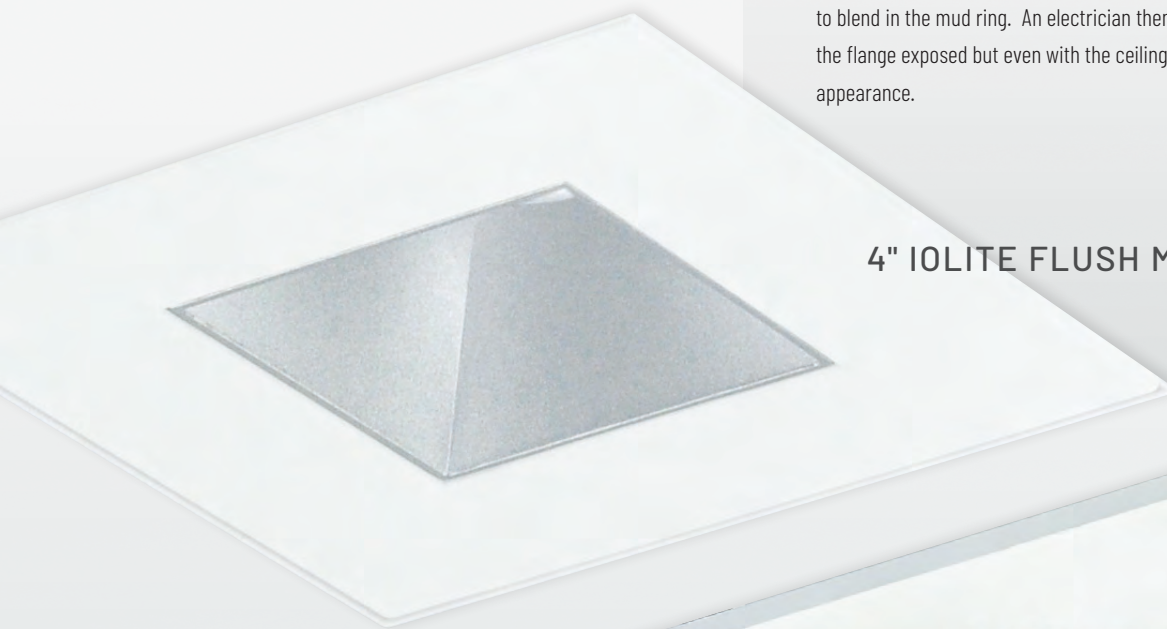
4" IOLITE TRIMLESS

TRIMLESS

Often referred to as flange-less, the Trimless option is considered the premium finishing technique. The trimless effect requires the installation of the trimless mud ring after the drywall is installed. A professional drywall finisher floats the ceiling to blend in the mud ring, sands and paints. The reflector is then inserted into the ring and the result is a spectacular, minimalist appearance with no flange.

FLUSH MOUNT

The Flush Mount option requires the installation of the flush mount mud ring after the drywall is installed. A professional drywall finisher floats the ceiling to blend in the mud ring. An electrician then installs the Iolite reflector with the flange exposed but even with the ceiling plane for a beautiful seamless appearance.



4" IOLITE FLUSH MOUNT

FLANGED

A standard finishing technique, the Flanged option requires the least labor and offers the largest selection of trims. The Iolite flange is extremely thin, extending off the ceiling ever so slightly, approximately 1/16".



4" IOLITE TRIM



3100K

2500K

2000K

LED Dimming Two Choices

WHITE LIGHT DIMMING AND COMFORT DIM

Sapphire, Marquise, Iolite and Cobalt Click Series offer both white light dimming and Comfort Dim technology.

WHITE LIGHT DIMMING (STANDARD)

Consistent color across dimming range keeps colors natural and consistent

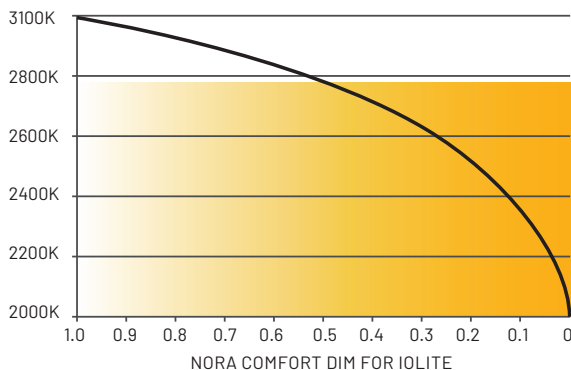
Unlike incandescent dimming, most LED dimming does not change in color as power decreases but remains close to the original kelvin temperature of the source. This is called White Light Dimming. White Light dimming is also found with fluorescent dimming, and has become accepted in most commercial, architectural and residential applications primarily because there were not other energy efficient solutions that would warm the light as it was dimmed.



COMFORT DIM (OPTIONAL)

Warm, rich light dimming creates an intimate atmosphere

An innovation in energy efficient dimming, Comfort Dim presented by Nora, warms the light as power is reduced. Comfort Dim color tunes the temperature from a bright color to a warm and romantic incandescent feel. The Sapphire and Marquise Series goes from 2700K to 1800K, Iolite Series goes from 3100K to 2000K and Cobalt Series goes from 3100K to 1700K. The warm dim Comfort Dim is the perfect solution for restaurants, cineplex, home theaters, multi-purpose event venues and other applications where the temperature and comfort of the light sets the mood.



** Comfort Dim uses premium non-Cree COB. 1" and 2 1/4" Comfort Dim dim on a different curve. Do not put 1" CD and 2 1/4" CD on the same switch leg (dimmer).*

IOLITE SERIES COMMERCIAL AND RESIDENTIAL

1" HOUSINGS 600LM

Patent No. D824567S



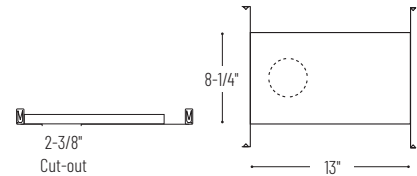
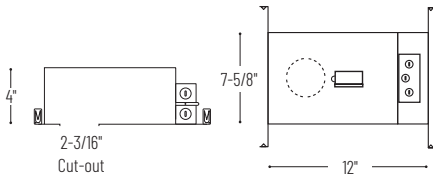
NHIOICD-16
1" Iolite New Construction Housing



NHRIOIC-16
1" Iolite Remodel Housing



NHIOFK-1
1" Iolite Frame-In for Remodel Housing
Allows access to junction box from below the ceiling.



1" IOLITE HOUSING

| HOUSING TYPE / WATTAGE | DRIVER / DIMMING | OPTIONAL EMERGENCY WIRING |
|---|--|--------------------------------------|
| NHIOICD-16 1" IC Air-Tight New Construction, 600lm / 10W | LE3 120V input; Triac / ELV Dimming | /PEM Remote Emergency for LE3 |
| NHIOICDCP-16 1" Chicago Plenum New Construction Housing, 600lm / 10W | LE4 120-277V input; Triac / ELV / 0-10V Dimming | /6WP Remote Emergency for LE4 |
| NHRIOIC-16 1" IC Air-Tight Remodel, 600lm / 10W | LE4 120-277V input; Triac / ELV / 0-10V Dimming | |
| NHIOFK-1 New Construction Frame-In for 1" Iolite Remodel Housing - Allows access to junction box from below the ceiling. | | |

Example: **NHIOICD-16LE3** - 1" New Construction Housing, 600lm / 10W, 120V input; Triac/ELV dimming

Iolite 1" dedicated LED downlights are available in square and round trims. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. 20°, 40° and 60° reflectors are included with each module. The 10W Iolite LED module produces 600 lumens at 90+ CRI in various kelvin temperatures.

ELECTRICAL:

Voltage: 120V or 120-277V
Lumens / Wattage: 600lm / 10W
Color Rendering Index: 90+ CRI
Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)
LED: Cree® COB (2700K-5000K), premium non-Cree COB (Comfort Dim)
Dimming: Triac, ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve.

CONSTRUCTION:

New Construction Housing: Shallow aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection. **Access above ceiling is required.**

Remodel Housing: Steel housing connects to pivoting arm with junction box and driver compartment. IC rated for direct contact with thermal insulation. New construction flat frame available to allow access to junction box from below the ceiling.

Reflector/Module: Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

EMERGENCY: New construction housing is wired with connections for emergency battery installation. Requires top access & NEPK-07LEDUNV (Battery with remote test switch)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ROHS compliant
- 5 Year Limited Warranty



ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 144 for full details.



Ceiling Extension Collar



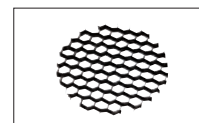
Frosted Filter-Reflector



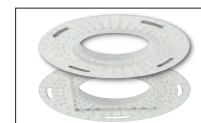
Translucent Deco Collar



Opaque Collar Snoot



Hex Cell Louver



Flush Mount Mud Ring

COMMERCIAL AND RESIDENTIAL IOLITE SERIES

600LM 1" BWF REFLECTORS

NEW CONSTRUCTION OR REMODEL HOUSING REQUIRED



NIOB-1RNB
1" Round Bullnose
Non-Adjustable
BB, BZ, MPW, NN, WW



NIOB-1SNB
1" Square Bullnose
Non-Adjustable
BB, BZ, MPW, NN, WW



NIOB-1RNG
1" Round Reflector
Non-Adjustable
BB, BW, BZ, CHMPW,
HW, MPW, NN, WW



NIOB-1SNG
1" Square Reflector
Non-Adjustable
BB, BW, BZ, CHMPW,
HW, MPW, NN, WW



NIOB-1RPH
1" Round Pinhole
Non-Adjustable
BB, BMPW, HZMPW,
MPW



NIOB-1RSL
1" Round Slot Aperture
30° Adjustable - New Const.
15° Adjustable - Remodel
BB, BMPW, HZMPW, MPW

1" IOLITE BWF REFLECTORS REQUIRES NH10ICD-16 OR NHR10IC-16 HOUSING

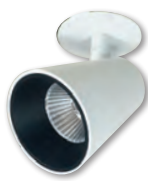
| SERIES / SHAPE | REFLECTOR TYPE | COLOR TEMP | FINISH | LUMENS / WATTAGE |
|---|---|---|--|---------------------|
| NIOB-1R 1" Round BWF NIOB-1S 1" Square BWF | NB Bullnose NG Reflector PH Non-Adj. Pinhole (round only) SL Adj. Slot Aperture (round only) | 27X 2700K 30X 3000K 35X 3500K 40X 4000K 50X 5000K CDX Comfort Dim* | BB Black / Black BMPW Black / Matte Powder White BW Black / White BZ Bronze / Bronze CHMPW Champagne Haze / Matte Powder White HW Haze / White HZMPW Haze / Matte Powder White MPW Matte Powder White NN Natural Metal WW White / White Not all finishes available on all reflectors | (blank) 600lm / 10W |

* Comfort Dim uses premium non-Cree COB. 1" Iolite uses a different dimming curve than 2" and 4" Comfort Dim.

Example: **NIOB-1RNB27XBZ** - 1" Round BWF Bullnose, 2700K, Bronze Reflector / Bronze Flange, 600lm / 10W



NIOP-1RCY
1" iPOINT Cylinder
BB, BMPW, MPW



NIOP-1RTC
1" iPOINT Cone
BB, BMPW, MPW

The iPOINT series are low voltage monopoints that require a **1" Iolite new construction or remodel housing**. The series is adjustable and replicate an Iolite reflector.

1" iPOINT REQUIRES NH10ICD-16 OR NHR10IC-16 HOUSING

| SERIES / SHAPE | FIXTURE TYPE | COLOR TEMP | FINISH | LUMENS / WATTAGE |
|--------------------------------|--------------------------------------|--|--|---------------------|
| NIOP-1R 1" Round iPOINT | CY Cylinder TC Cone | 27X 2700K 30X 3000K 35X 3500K 40X 4000K 50X 5000K | BB Black Interior / Black Exterior BMPW Black Interior / Matte Powder White Exterior MPW Matte Powder White Interior & Exterior | (blank) 600lm / 10W |

Example: **NIOP-1RCY27XBMPW** - 1" Round iPOINT Cylinder, 2700K, Black Interior / Matte Powder White Exterior, 600lm / 10W

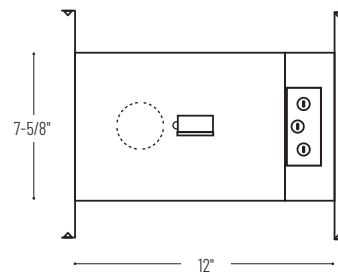
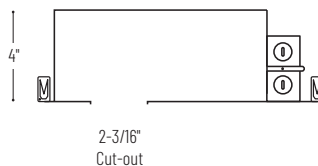
IOLITE SERIES COMMERCIAL AND RESIDENTIAL

1" HOUSINGS 600LM



Patent No. D824567S

NHIOICD-16
1" Iolite New Construction Housing



1" IOLITE HOUSING REQUIRES NIO-1 OR NIOB-1 REFLECTOR

| HOUSING TYPE / WATTAGE | DRIVER / DIMMING | OPTIONAL EMERGENCY WIRING |
|---|--|--|
| NHIOICD-16 1" IC Air-Tight New Construction Housing, 600lm / 10W | LE3 120V input; Triac / ELV | /PEM Remote Emergency for LE3 |
| NHIOICDCP-16 1" Chicago Plenum New Construction Housing, 600lm / 10W | LE4 120-277V input; Triac / ELV / 0-10V | /6WPEM Remote Emergency for LE4 |

Example: **NHIOICD-16LE3** - 1" New Construction Housing, 600lm / 10W, 120V input; Triac/ELV dimming

Iolite 1" dedicated LED downlights are available in square and round trims. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. 20°, 40° and 60° reflectors are included with each module. The 10W Iolite LED module produces 600 lumens at 90+ CRI in various kelvin temperatures.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage: 600lm / 10W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

LED: Cree® COB (2700K-5000K), premium non-Cree COB (Comfort Dim)

Dimming: Triac, ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve.

CONSTRUCTION:

Housing: Shallow aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection. **Access above ceiling is required.**

Reflector/Module: Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

EMERGENCY: New construction housing is wired with connections for emergency battery installation. Requires top access & NEPK-07LEDUNV (Battery with remote test switch)

INSTALLATION:

Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ROHS compliant
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL IOLITE SERIES

600LM 1" NTF REFLECTORS

NEW CONSTRUCTION HOUSING REQUIRED



NIO-1RNB
1" Round Bullnose
Non-Adjustable
BB, BZ, MPW, NN, WW



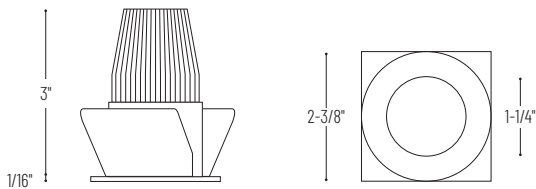
NIO-1SNB
1" Square Bullnose
Non-Adjustable
BZ, MPW, NN, WW



NIO-1RNG
1" Round Reflector
Non-Adjustable
BW, BZ, HW, MPW, NN, WW



NIO-1SNG
1" Square Reflector
Non-Adjustable
BW, BZ, HW, MPW, NN, WW



1" NTF Iolite trims feature an extremely low profile that blends seamlessly with the ceiling. **1" NTF Iolite trims are compatible only with new construction housings.**

1" IOLITE NTF REFLECTORS NON-ADJUSTABLE · REQUIRES NH10ICD-16 HOUSING

| SERIES / SHAPE | REFLECTOR TYPE | COLOR TEMP | FINISH | LUMENS / WATTAGE |
|---|---|---|--|---------------------|
| NIO-1R 1" Round NTF NIO-1S 1" Square NTF | NB Bullnose NG Reflector | 27X 2700K 30X 3000K 35X 3500K 40X 4000K 50X 5000K CDX Comfort Dim* | BB Black / Black BW Black / White BZ Bronze / Bronze HW Haze / White MPW Matte Powder White NN Natural Metal WW White / White Not all finishes available on all reflectors | (blank) 600lm / 10W |

* Comfort Dim uses premium non-Cree COB. 1" Iolite uses a different dimming curve than 2" and 4" Comfort Dim.

Example: **NIO-1RNB27XBZ** - 1" Round NTF Bullnose, 2700K, Bronze Reflector / Bronze Flange, 600lm / 10W

ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 144 for full details.



Ceiling Extension Collar



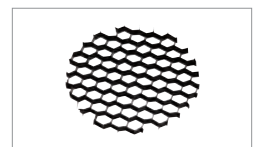
Frosted Filter-Reflector



Translucent Deco Collar



Opaque Collar Snoot



Hex Cell Louver

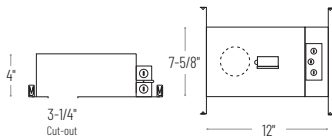
IOLITE SERIES COMMERCIAL AND RESIDENTIAL

2" HOUSINGS 800LM TO 2500LM

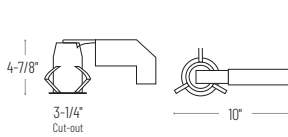
Patent No. D824567S



NHIOICD-28 / NHIOICDCP-28
2" Iolite New Construction Housing



NHRIOIC-28
2" Iolite Remodel Housing



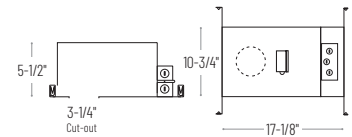
NHIOFK-2

2" Iolite Frame-In for Remodel Housing
Allows access to junction box from below the ceiling.

Patent No. D824567S



NHIOICD-215 / NHIOICD-220 / NHIOICD-225
2" Iolite High Lumen New Construction Housing



2" IOLITE HOUSING

| HOUSING TYPE / WATTAGE | DRIVER / DIMMING | OPTIONAL EMERGENCY WIRING |
|---|--|--|
| NHIOICD-28 2" IC Air-Tight New Construction, 800-1000lm / 14W | LE3 120V input; Triac / ELV Dimming | /PEM Remote Emergency for LE3 |
| NHIOICDCP-28 2" Chicago Plenum New Construction, 800-1000lm / 14W | LE4 120-277V input; Triac / ELV / 0-10V Dimming | /6WPEM Remote Emergency for LE4 |
| NHIOICD-215 2" IC Air-Tight High Lumen New Construction, 1500lm / 20W | LE4 120-277V input; Triac / ELV / 0-10V Dimming | /6WPEM Remote Emergency for LE4 |
| NHIOICD-220 2" IC Air-Tight High Lumen New Construction, 2000lm / 24W | | |
| NHIOICD-225 2" IC Air-Tight High Lumen New Construction, 2500lm / 28W | | |
| NHRIOIC-28 2" IC Air-Tight Remodel, 800-1000lm / 14W | LE4 120-277V input; Triac / ELV / 0-10V Dimming | |
| NHIOFK-2 New Construction Frame-In for 2" Iolite Remodel Housing - Allows access to junction box from below the ceiling. | | |

Example: **NHIOICD-28LE3** - 2" New Construction Housing, 800-1000lm / 14W, 120V input; Triac/ELV dimming

Iolite 2" dedicated LED adjustable and non-adjustable downlights are available in square and round designs. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. Each module includes 25°, 38° and an installed 60° reflector (TIR optics also available).

ELECTRICAL:

Voltage: 120V or 120-277V
Lumens / Wattage: 800 / 14W, 1000lm / 14W, 1500lm / 20W, 2000lm / 24W, 2500lm / 28W
Color Rendering Index: 90+ CRI
Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)
LED: Cree® COB (2700K-5000K), premium non-Cree COB (Comfort Dim)
Dimming: Triac, ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.

CONSTRUCTION:

New Construction Housing: Shallow aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection. Access above ceiling is required.
Remodel Housing: Steel housing connects to pivoting arm with junction box and driver compartment. IC rated for direct contact with thermal insulation. New construction flat frame available to allow access to junction box from below the ceiling.
Reflector/Module: Die-cast aluminum reflectors are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

EMERGENCY: New construction housing is wired with connections for emergency battery installation. Requires top access & NEPK-07LEDUNV (Battery with remote test switch)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.
Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ROHS compliant
- FCC compliant
- 5 Year Limited Warranty



ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 144 for full details.



Ceiling Extension Collar



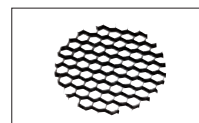
Frosted Filter-Reflector



Translucent Deco Collar



Opaque Collar Snoot



Hex Cell Louver



Flush Mount Mud Ring

COMMERCIAL AND RESIDENTIAL IOLITE SERIES

800LM TO 2500LM 2" REFLECTORS

NEW CONSTRUCTION OR REMODEL HOUSING REQUIRED



2" IOLITE REFLECTORS REQUIRES NH0ICD-2, NH0ICDCP-2 OR NHRIOIC-2 HOUSING

| SERIES / SHAPE | REFLECTOR TYPE | COLOR TEMP | FINISH | LUMENS / WATTAGE |
|---|---|---|---|---|
| NI0B-2R 2" Round NI0B-2S 2" Square | C Adjustable Cone Regress G Adjustable Surface Gimbal NB Non-Adjustable Bullnose NDC Non-Adjustable Reflector w/Round Aperture NDSQ Non-Adj. Reflector w/Square Aperture (square only) PHA Adjustable Pinhole (round only) PH Non-Adjustable Pinhole (round only) SL Adjustable Slot Aperture (round only) | 27X 2700K 30X 3000K 35X 3500K 40X 4000K 50X 5000K CDX Comfort Dim* | BB Black / Black BMPW Black / Matte Powder White BW Black / White BZ Bronze / Bronze CHMPW Champagne Haze / MPW HW Haze / White HZMPW Haze / Matte Powder White MPW Matte Powder White NN Natural Metal WW White / White Not all finishes available on all reflectors | (blank) 800lm / 14W /10 1000lm / 14W /HL 1500-2500lm (varies by housing) Comfort Dim available in 800lm only |

Example: **NI0B-2RG27XBZ** - 2" Round Adjustable Surface Gimbal, 2700K, Bronze Gimbal / Bronze Flange, 800lm / 14W



NIOP-2RCY
2" iPOINT Cylinder
B, MPW



NIOP-2RTC
2" iPOINT Cone
B, MPW

The iPOINT series are low voltage monopoints that require a 2" Iolite new construction or remodel housing. The series is adjustable and replicate an Iolite reflector.

2" iPOINT REQUIRES NH0ICD-28 OR NHRIOIC-28 HOUSING

| SERIES / SHAPE | FIXTURE TYPE | COLOR TEMP | FINISH | LUMENS / WATTAGE |
|--------------------------------|--------------------------------------|--|--|--|
| NIOP-2R 2" Round iPOINT | CY Cylinder TC Cone | 27X 2700K 30X 3000K 35X 3500K 40X 4000K 50X 5000K | BB Black Interior / Black Exterior BMPW Black Interior / Matte Powder White Exterior MPW Matte Powder White Interior & Exterior | (blank) 800lm / 14W /10 1000lm / 14W |

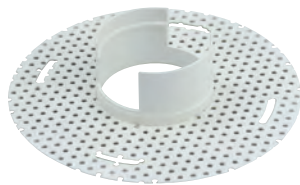
Example: **NIOP-2RCY27XBMPW/10** - 2" Round iPOINT Cylinder, 2700K, Black Interior / Matte Powder White Exterior, 1000lm / 14W

IOLITE SERIES COMMERCIAL AND RESIDENTIAL

2" TRIMLESS REFLECTORS 800LM TO 1000LM

2" IOLITE NEW CONSTRUCTION HOUSING REQUIRED

Iolite Trimless has no exposed trim flange and does not extend below the ceiling plane. This clean and sophisticated look is accomplished by mudding the trimless mud ring to the ceiling, then snapping the flangeless reflector into the ring. Iolite Trimless is available in 2" and 4" apertures.



NIO-TLMR-2R
2" Round Trimless Mud Ring



NIO-2RTL A
2" Round Trimless Adjustable
15° Adjustable
BB, BW, BZ, CH, CHMPW, HW,
HZ, HZMPW, MPW, WW



NIO-2RTL NDC
2" Round Trimless Reflector
Non-Adjustable
BB, BZ, CH, HZ, MPW, WW

Iolite Trimless requires three parts:

1. Iolite New Construction Housing
2. Iolite Trimless Mud Ring
3. Iolite Trimless Reflector



1. IOLITE NEW CONSTRUCTION HOUSING

REQUIRES MUD RING AND TRIMLESS REFLECTOR

| HOUSING TYPE / LUMENS / WATTAGE | DRIVER / DIMMING | REMOTE EMERGENCY |
|---|---|------------------------------|
| NHIOICD-28 2" ICAT, 800-1000lm / 14W | LE3 120V input; Triac / ELV | /PEM Wiring for LE3 |
| NHIOICDCP-28 2" CP, 800-1000lm / 14W | LE4 120-277V input; Triac / ELV / 0-10V | /6WPEM Wiring for LE4 |

Example: **NHIOICD-28LE3** - 2" New Construction Housing, 800-1000lm, 120V input

2. IOLITE TRIMLESS MUD RING

REQUIRES HOUSING AND TRIMLESS REFLECTOR

| SERIES / APERTURE | SHAPE |
|--|----------------|
| NIO-TLMR-2 2" Trimless Mud Ring | R Round |

Example: **NIO-TLMR-2R** - Trimless Mud Ring for 2" Round Trimless Reflector

3. IOLITE MODULAR TRIMLESS REFLECTORS

REQUIRES HOUSING AND TRIMLESS MUD RING

| SERIES / APERTURE / TYPE | COLOR TEMP | FINISH | LUMENS / WATTAGE |
|---|-------------------------|--|-------------------------------------|
| NIO-2RTL A 2" Round Trimless Adjustable | 27X 2700K | BB Black | (blank) 800lm / 14W |
| NIO-2RTL NDC 2" Round Trimless Reflector | 30X 3000K | BW Black / White | /10 1000lm / 14W |
| | 35X 3500K | BZ Bronze | Comfort Dim available in 800lm only |
| | 40X 4000K | CH Champagne Haze | |
| | 50X 5000K | CHMPW Champagne Haze / Matte Powder White | |
| | CDX Comfort Dim* | HW Haze / White | |
| | | HZ Haze | |
| | | HZMPW Haze / Matte Powder White | |
| | | MPW Matte Powder White | |
| | | WW White | |
| | | Not all finishes available on all reflectors | |

Example: **NIO-2RTL NDC30XMPW** - 2" Round Trimless Reflector, 3000K, Matte Powder White, 800lm / 14W

* Comfort Dim uses premium non-Cree COB. Iolite uses a different dimming curve than 2" and 4" Comfort Dim.



IOLITE SERIES COMMERCIAL AND RESIDENTIAL

4" HOUSINGS 800LM TO 2500LM

Patent No. D824567S

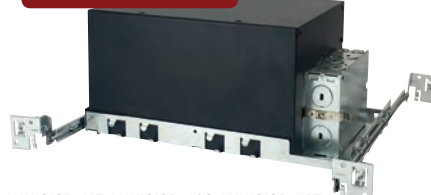


NHIOICD-48 / NHIOICDCP-48
4" Iolite New Construction Housing

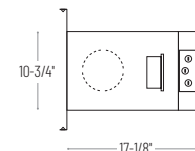
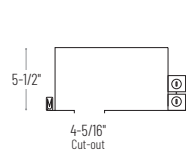
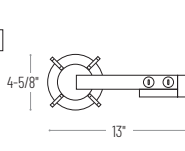
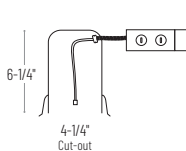
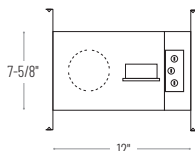
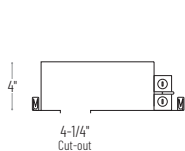


NHRIOIC-48
4" Iolite Remodel Housing

Patent No. D824567S



NHIOICD-415 / NHIOICD-420 / NHIOICD-425
4" Iolite High Lumen New Construction Housing



4" IOLITE HOUSING

| HOUSING TYPE / WATTAGE | DRIVER / DIMMING | OPTIONAL EMERGENCY WIRING |
|--|--|--------------------------------------|
| NHIOICD-48 4" IC Air-Tight New Construction, 800-1000lm / 14W | LE3 120V input; Triac / ELV | /PEM Remote Emergency for LE3 |
| NHIOICDCP-48 4" Chicago Plenum New Construction, 800-1000lm / 14W | LE4 120-277V input; Triac / ELV / 0-10V | /6WP Remote Emergency for LE4 |
| NHRIOIC-48 4" IC Air-Tight Remodel, 800-1000lm / 14W | | |
| NHIOICD-415 4" IC Air-Tight High Lumen New Construction, 1500lm / 20W | LE4 120-277V input; Triac / ELV / 0-10V | /6WP Remote Emergency |
| NHIOICD-420 4" IC Air-Tight High Lumen New Construction, 2000lm / 24W | | |
| NHIOICD-425 4" IC Air-Tight High Lumen New Construction, 2500lm / 28W | | |

Example: **NHIOICD-48LE3** - 4" New Construction Housing, 800-1000lm / 14W, 120V input; Triac/ELV dimming

ELECTRICAL:

Voltage: 120V or 120-277V
Lumens / Wattage: 800 / 14W, 1000lm / 14W, 1500lm / 20W, 2000lm / 24W, 2500lm / 28W
Color Rendering Index: 90+ CRI
Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)
LED: Cree® COB (2700K-5000K), premium non-Cree COB (Comfort Dim)
Dimming: Triac, ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.

CONSTRUCTION:

New Construction Housing: Aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection.

Remodel Housing: Aluminum housing connects to arm with junction box and driver compartment. IC rated for direct contact with thermal insulation.

Reflector/Module: Die-cast aluminum reflectors are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

EMERGENCY: New construction housing is wired with connections for emergency battery installation. Requires top access & NEPK-07LEDUNV (Battery with remote test switch)

INSTALLATION:

New Construction: Bar hangers are adjustable from 3-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

LISTING & WARRANTY:

- cULus Listed for Wet Location (NIO-4RD and NIO-4SD are rated for damp location)
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ROHS compliant
- FCC compliant
- 5 Year Limited Warranty



ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 144 for full details.



Ceiling Extension Collar



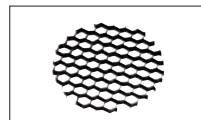
Frosted Filter-Reflector



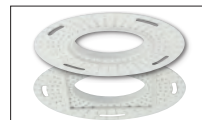
Translucent Deco Collar



Opaque Collar Snoot



Hex Cell Louver



Flush Mount Mud Ring

COMMERCIAL AND RESIDENTIAL **IOLITE SERIES**
 800LM TO 2500LM **4" REFLECTORS**

NEW CONSTRUCTION OR REMODEL HOUSING REQUIRED



NIO-4RC
 4" Round Cone Regress
 45° Adj. - New Const.
 40° Adj. - Remodel
 BB, BW, BZ, HW, HZMPW,
 MPW, NN, WW



NIO-4SC
 4" Square Cone Regress
 45° Adj. - New Const.
 40° Adj. - Remodel
 BB, BW, BZ, HW, HZMPW,
 MPW, NN, WW



NIO-4RG
 4" Round Surface Gimbal
 45° Adj. - New Const.
 40° Adj. - Remodel
 BB, BZ, MPW, NN, WW



NIO-4SG
 4" Square Surface Gimbal
 45° Adj. - New Const.
 40° Adj. - Remodel
 BB, BZ, MPW, NN, WW



NIO-4SDSQ
 4" Square Adjustable
 35° Adj. - New Const.
 20° Adj. - Remodel
 BB, BW, BZ, CHMPW, HW,
 HZMPW, MPW, NN, WW



NIO-4RNB
 4" Round Bullnose
 Non-Adjustable
 BB, BZ, MPW, NN, WW



NIO-4SNB
 4" Square Bullnose
 Non-Adjustable
 BB, BZ, MPW, NN, WW



NIO-4RPH
 4" Round Pinhole
 Non-Adjustable
 BB, BMPW, HZMPW, MPW



NIO-4RPHA
 4" Round Adjustable Pinhole
 35° Adjustable - New Const.
 10° Adjustable - Remodel
 BB, BMPW, HZMPW, MPW, WW



NIO-4RSL
 4" Round Slot Aperture
 40° Adjustable - New Const.
 15° Adjustable - Remodel
 BB, BMPW, HZMPW, MPW



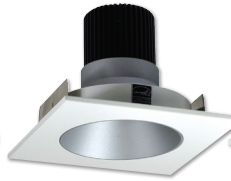
NIO-4RD
 4" Round Deep Adjustable
 40° Adjustable - New Const.
 20° Adj. - Remodel
 BB, BW, BZ, CHMPW, HW,
 HZMPW, MPW, NN, WW



NIO-4SD
 4" Square Deep Adjustable
 40° Adjustable - New Const.
 20° Adj. - Remodel
 BB, BW, BZ, CHMPW, HW,
 HZMPW, MPW, NN, WW



NIO-4RNDC
 4" Round Reflector w/
 Round Aperture
 Non-Adjustable
 BB, BW, BZ, CHMPW, HW,
 HZMPW, MPW, NN, WW



NIO-4SNDC
 4" Square Reflector w/
 Round Aperture
 Non-Adjustable
 BB, BW, BZ, CHMPW, HW,
 HZMPW, MPW, NN, WW



NIO-4SNDSQ
 4" Square Reflector w/
 Square Aperture
 Non-Adjustable
 BB, BW, BZ, CHMPW, HN,
 HW, HZMPW, MPW, WW



NIO-4SW
 4" Square Wall Wash
 Non-Adjustable
 BB, CHMPW, HZMPW,
 HW, MPW, WW

4" IOLITE REFLECTORS REQUIRES NHI0ICD-4, NHI0ICDCP-4 OR NHRIOIC-4 HOUSING

| SERIES / SHAPE | REFLECTOR TYPE | COLOR TEMP | FINISH | LUMENS / WATTAGE |
|-------------------------|--|-------------------------|--|---|
| NIO-4R 4" Round | C Adjustable Cone Regress | 27X 2700K | BB Black / Black | (blank) 800lm / 14W |
| NIO-4S 4" Square | D Deep Adjustable w/ Round Aperture | 30X 3000K | BMPW Black / Matte Powder White | /10 1000lm / 14W |
| | G Adjustable Surface Gimbal | 35X 3500K | BW Black / White | /HL 1500-2500lm (varies by housing) |
| | DSQ Square Adjustable (square only) | 40X 4000K | BZ Bronze / Bronze | Comfort Dim available in 800lm only |
| | NB Non-Adjustable Bullnose | 50X 5000K | CHMPW Champagne Haze / MPW | |
| | NDC Non-Adjustable Reflector w/Round Aperture | CDX Comfort Dim* | HN Haze / Natural Metal | |
| | NDSQ Non-Adj. Reflector w/Square Aperture (square only) | | HW Haze / White | |
| | PHA Adjustable Pinhole (round only) | | HZMPW Haze / Matte Powder White | |
| | PH Non-Adjustable Pinhole (round only) | | MPW Matte Powder White | |
| | SL Adjustable Slot Aperture (round only) | | NN Natural Metal | |
| | W Non-Adj. Wall Wash (square only) | | WW White / White | |
| | | | Not all finishes available on all reflectors | |

Example: **NIO-4SG30XNN** - 4" Square Adjustable Surface Gimbal, 3000K, Natural Metal Gimbal / Natural Metal Flange, 800lm / 14W

IOLITE SERIES COMMERCIAL AND RESIDENTIAL

4" TRIMLESS REFLECTORS 800LM TO 2500LM

4" IOLITE NEW CONSTRUCTION HOUSING REQUIRED

Iolite Trimless has no exposed trim flange and does not extend below the ceiling plane. This clean and sophisticated look is accomplished by mudding the trimless mud ring to the ceiling, then snapping the flangeless reflectors into the ring. Iolite Trimless is available in 2" and 4" apertures.



NIO-TLMR-4R Round
NIO-TLMR-4S Square
4" Trimless Mud Ring

NIO-4RTLA
4" Round Trimless
Adjustable
35° Adjustable
BB, BW, BZ, CH, CHMPW,
HW, HZ, HZMPW, MPW, WW

NIO-4RTLND
4" Round Trimless
Reflector
Non-Adjustable
BB, BZ, CH,
MPW, WW

NIO-4STLND
4" Square Trimless
Reflector
Non-Adjustable
BB, BZ, CH, HZ,
MPW, WW

Iolite Trimless requires three parts:

1. Iolite New Construction Housing
2. Iolite Trimless Mud Ring
3. Iolite Trimless Reflector



1. IOLITE NEW CONSTRUCTION HOUSING

REQUIRES MUD RING AND TRIMLESS REFLECTOR

| HOUSING TYPE / LUMENS / WATTAGE | DRIVER / DIMMING | REMOTE EMERGENCY |
|---|---|--|
| NHIOICD-48 4" ICAT, 800-1000lm / 14W | LE3 120V input; Triac / ELV | /PEM Wiring for LE3 /6WPEM Wiring for LE4 |
| NHIOICDCP-48 4" CP, 800-1000lm / 14W | LE4 120-277V input; Triac / ELV / 0-10V | |
| NHIOICD-415 4" ICAT, 1500lm / 20W | LE4 120-277V input; Triac / ELV / 0-10V | |
| NHIOICD-420 4" ICAT, 2000lm / 24W | | |
| NHIOICD-425 4" ICAT, 2500lm / 28W | | |

Example: **NHIOICD-48LE3** - 4" New Construction Housing, 800-1000lm, 120V input

2. IOLITE TRIMLESS MUD RING

REQUIRES HOUSING AND TRIMLESS REFLECTOR

| SERIES / APERTURE | SHAPE |
|--|-----------------------------------|
| NIO-TLMR-4 4" Trimless Mud Ring | R Round S Square |

Example: **NIO-TLMR-4R** - Trimless Mud Ring for 4" Round Trimless Reflector

3. IOLITE MODULAR TRIMLESS REFLECTORS

REQUIRES HOUSING AND TRIMLESS MUD RING

| SERIES / APERTURE / TYPE | COLOR TEMP | FINISH | LUMENS / WATTAGE |
|--|-------------------------|--|--|
| NIO-4RTLA 4" Round Trimless Adjustable | 27X 2700K | BB Black | (blank) 800lm / 14W |
| NIO-4RTLND 4" Round Trimless Reflector | 30X 3000K | BW Black / White | /10 1000lm / 14W |
| NIO-4STLND 4" Square Trimless Reflector | 35X 3500K | BZ Bronze | /HL 1500-2500lm (varies by housing) |
| | 40X 4000K | CH Champagne Haze | Comfort Dim available in 800lm only |
| | 50X 5000K | CHMPW Champagne Haze / Matte Powder White | |
| | CDX Comfort Dim* | HW Haze / White | |
| | | HZ Haze | |
| | | HZMPW Haze / Matte Powder White | |
| | | MPW Matte Powder White | |
| | | WW White | |

* Comfort Dim uses premium non-Cree COB. † Iolite uses a different dimming curve than 2" and 4" Comfort Dim.

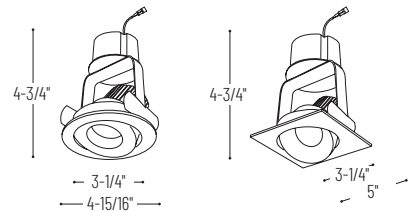
Not all finishes available on all reflectors

Example: **NIO-4RTLND30XMPW** - 4" Round Trimless Reflector, 3000K, Matte Powder White Reflector, 800lm / 14W



IOLITE SERIES LED RETROFIT AND DEDICATED

4" RETROFIT 800LM OR 1000LM



| | | | | | |
|--|---|--|---|---|--|
| NIR-4RC 4" Round Cone Regress BB, BW, BZ, HW, HZMPW, MPW, NN, WW | NIR-4SC 4" Square Cone Regress BB, BW, BZ, HW, HZMPW, MPW, NN, WW | NIR-4RG 4" Round Surface Gimbal BB, BZ, MPW, NN, WW | NIR-4SG 4" Square Surface Gimbal BB, BZ, MPW, NN, WW | NIR-4RNB 4" Round Bullnose BB, BZ, MPW, NN, WW | NIR-4SNB 4" Square Bullnose BB, BZ, MPW, NN, WW |
|--|---|--|---|---|--|

4" IOLITE RETROFIT

| SERIES / APERTURE | REFLECTOR TYPE | COLOR TEMP | FINISH | LUMENS / WATTAGE |
|----------------------------------|-----------------------------|------------------------|---|-------------------------------------|
| NIR-4R 4" Round Retrofit | C Cone Regress | 27X 2700K | BB Black with Black Flange | (blank) 800lm / 14W |
| NIR-4S 4" Square Retrofit | G Surface Gimbal | 30X 3000K | BW Black with White Flange | /10 1000lm / 14W |
| | NB Non-Adj. Bullnose | 35X 3500K | BZ Bronze with Bronze Flange | Comfort Dim available in 800lm only |
| | | 40X 4000K | HW Haze with White Flange | |
| | | 50X 5000K | HZMPW Haze / Matte Powder White | |
| | | CDX Comfort Dim | MPW Matte Powder White with White Flange | |
| | | | NN Natural Metal with Nat. Metal Flange | |
| | | | WW White with White Flange | |

* Comfort Dim uses premium non-Cree COB. † Iolite uses a different dimming curve than 2" and 4" Comfort Dim.

Example: **NIR-4RC27XWW** - 4" Round Cone Regress Retrofit, 2700K, White Cone with White Flange, 800lm / 14W

4" Iolite retrofit LED adjustable downlights are available in square and round reflectors. The modular system allows users to field change both the reflector and beam spread from spot to flood without using any tools. The LED module is 14W and produces 800 to 1000 lumens at 90 CRI in various kelvin temperatures.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage: 800 or 1000lm / 14W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

LED: Cree® COB (2700K-5000K),

premium non-Cree COB (Comfort Dim)

Dimming: Triac or ELV

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve.

CONSTRUCTION:

Trim/Module: Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

INSTALLATION: Compatible with Nora housings listed and with some 4" housing by others. Check dimensions - in some cases compatibility requires removing the existing socket from housing.

RETROFIT: Iolite retrofit series includes medium base socket adapter (NRA-21ISM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

LISTING & WARRANTY:

- cULus Classified for Damp Location
- ENERGY STAR certified
- ROHS compliant
- FCC compliant
- 5 Year Limited Warranty

COMPATIBLE HOUSINGS:

New Construction

- NHIC-4LMRAT** 4" ICAT Dedicated LED
- NFBIC-4LMRATA** 4" ICAT Dedicated LED Fire Box
- NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V
- NSIC-401QAT** 4" ICAT Line Voltage
- NFBIC-4INCATA** 4" ICAT Line Voltage Fire Box
- NS-401QAT** 4" AT Line Voltage
- NHIC-4G24AT** 4" ICAT GU24¹

Remodel

- NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED
- NSR-404QAT** 4" Remodel AT Line Voltage
- NHRIC-4G24AT** 4" Remodel ICAT GU24¹

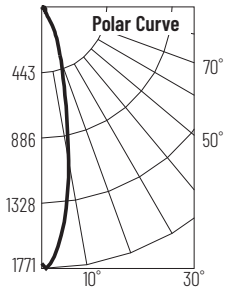
¹ Requires NRA-212SM - GU24 adaptor



IOLITE SERIES PHOTOMETRICS

1" IOLITE LED 3000K, 20°

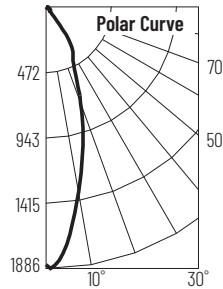
ITEM NUMBER: NIOB-1RNG3025WW
LUMENS: 556LM



| Zonal Lumen Summary | | |
|---------------------|--------|-------------|
| Zone | Lumens | % Luminaire |
| 0-30 | 418 | 75.2 |
| 0-40 | 461 | 82.9 |
| 0-60 | 515 | 92.7 |
| 0-90 | 554 | 99.8 |

2" IOLITE LED 3000K, 38°

ITEM NUMBER: NIOB-2RC3038WW
LUMENS: 936LM



| Zonal Lumen Summary | | |
|---------------------|--------|-------------|
| Zone | Lumens | % Luminaire |
| 0-30 | 623 | 70.8 |
| 0-40 | 824 | 88.1 |
| 0-60 | 892 | 95.3 |
| 0-90 | 934 | 99.8 |

| Candela Table | |
|-----------------|---------|
| Vertical Angles | Candela |
| 0 | 1738 |
| 15 | 612 |
| 25 | 252 |
| 35 | 58 |
| 45 | 39 |

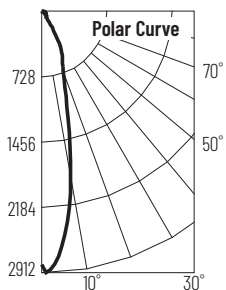
| Illuminance at a Distance | | |
|---------------------------|-------------|---------------|
| Distance from Luminaire | FC at Nadir | Beam Diameter |
| 4' | 109fc | 1'-8" |
| 6' | 48.3fc | 2'-6" |
| 8' | 27.2fc | 3'-4" |
| 10' | 17.4fc | 4'-2" |
| 12' | 12.1fc | 5' |

| Candela Table | |
|-----------------|---------|
| Vertical Angles | Candela |
| 0 | 1858 |
| 15 | 1021 |
| 25 | 480 |
| 35 | 279 |
| 45 | 45 |

| Illuminance at a Distance | | |
|---------------------------|-------------|---------------|
| Distance from Luminaire | FC at Nadir | Beam Diameter |
| 4' | 116fc | 2'-5" |
| 6' | 51.6fc | 3'-7" |
| 8' | 29fc | 4'-10" |
| 10' | 18.6fc | 5'-11" |
| 12' | 12.9fc | 7'-1" |

4" IOLITE LED 3000K, 25°

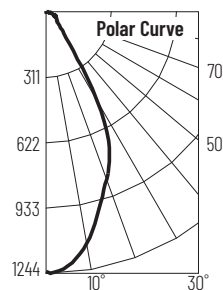
ITEM NUMBER: NIO-4RG3025WW/10
LUMENS: 1111LM



| Zonal Lumen Summary | | |
|---------------------|--------|-------------|
| Zone | Lumens | % Luminaire |
| 0-30 | 795 | 71.6 |
| 0-40 | 911 | 82 |
| 0-60 | 1022 | 92 |
| 0-90 | 1104 | 99.3 |

4" IOLITE LED 3000K, 60°

ITEM NUMBER: NIO-4RG3060WW/10
LUMENS: 1084LM



| Zonal Lumen Summary | | |
|---------------------|--------|-------------|
| Zone | Lumens | % Luminaire |
| 0-30 | 701 | 64.7 |
| 0-40 | 859 | 79.2 |
| 0-60 | 987 | 91.1 |
| 0-90 | 1077 | 99.3 |

| Candela Table | |
|-----------------|---------|
| Vertical Angles | Candela |
| 0 | 2822 |
| 15 | 1111 |
| 25 | 550 |
| 35 | 150 |
| 45 | 76 |

| Illuminance at a Distance | | |
|---------------------------|-------------|---------------|
| Distance from Luminaire | FC at Nadir | Beam Diameter |
| 4' | 176fc | 1'-10" |
| 6' | 78.4fc | 2'-8" |
| 8' | 44.1fc | 3'-7" |
| 10' | 28.2fc | 4'-6" |
| 12' | 19.6fc | 5'-5" |

| Candela Table | |
|-----------------|---------|
| Vertical Angles | Candela |
| 0 | 1237 |
| 15 | 971 |
| 25 | 713 |
| 35 | 227 |
| 45 | 89 |

| Illuminance at a Distance | | |
|---------------------------|-------------|---------------|
| Distance from Luminaire | FC at Nadir | Beam Diameter |
| 4' | 77.3fc | 4'-2" |
| 6' | 34.4fc | 6'-2" |
| 8' | 19.3fc | 8'-4" |
| 10' | 12.4fc | 10'-5" |
| 12' | 8.6fc | 12'-6" |

IOLITE SERIES ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast reflector.



Ceiling Extension Collar

| | |
|-------------------|---------------|
| NIO-1EXTC2 | for NHIOICD-1 |
| NIO-2EXTC2 | for NHIOICD-2 |
| NIO-4EXTC2 | for NHIOICD-4 |

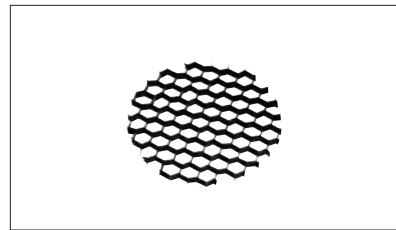
Allows new construction housings to install in ceiling thicknesses up to 2"



Frosted Filter-Reflector Assembly

| | |
|----------------------|---------------------------------------|
| NIO-1REFL20FR | 20° Reflector, 1" Iolite |
| NIO-1REFL40FR | 40° Reflector, 1" Iolite |
| NIO-1REFL60FR | 60° Reflector, 1" Iolite |
| NIO-REFL15FR | Premium 15° Reflector, 2" & 4" Iolite |
| NIO-REFL25FR | Premium 25° Reflector, 2" & 4" Iolite |
| NIO-REFL38FR | 38° Reflector, 2" and 4" Iolite |
| NIO-REFL60FR | 60° Reflector, 2" and 4" Iolite |

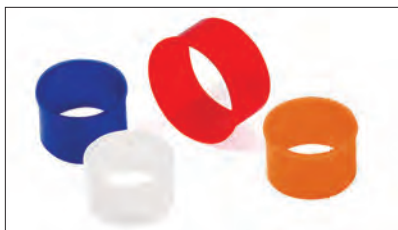
Filter-Reflector assemblies include specified reflector and frosted lens. Lens can be installed in other reflectors supplied with units.



Hex Cell Louver

| | |
|----------------|----------------------|
| NIO-1HC | for 1" Iolite |
| NIO-HC | for 2" and 4" Iolite |

Hex cell louver subtly reduces aperture brightness by reducing light output by about 20%.



Translucent Deco Collar

| | |
|-------------------------|-------------------------------------|
| NIO-1AS15(color) | 5/8" (15mm) depth, 1" Iolite |
| NIO-1AS19(color) | 3/4" (19mm) depth, 1" Iolite |
| NIO-1AS24(color) | 1" (24mm) depth, 1" Iolite |
| NIO-AS14(color) | 5/8" (15mm) depth, 2" and 4" Iolite |
| NIO-AS19(color) | 3/4" (19mm) depth, 2" and 4" Iolite |
| NIO-AS26(color) | 1" (24mm) depth, 2" and 4" Iolite |

Finish: **BLU** Blue; **FR** Frost; **AM** Amber; **R** Red

Translucent collars color the aperture with the specified color while producing white general light. Collars are available in different lengths. Use to add interest, create a theme, match a theme or define a space.

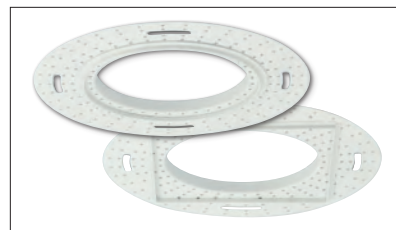


Opaque Collar Snoot

| | |
|-------------------------|-----------------------------------|
| NIO-1AS15(color) | 5/8" (15mm) depth, 1" Iolite |
| NIO-1AS19(color) | 3/4" (19mm) depth, 1" Iolite |
| NIO-1AS24(color) | 1" (24mm) depth, 1" Iolite |
| NIO-AS14(color) | 5/8" (15mm) depth, 2" & 4" Iolite |
| NIO-AS19(color) | 3/4" (19mm) depth, 2" & 4" Iolite |
| NIO-AS26(color) | 1" (24mm) depth, 2" & 4" Iolite |

Color: **BLK** Black; **MPW** Matte Powder White; **WH** White

Opaque snoot greatly reduces aperture brightness while preserving light output. (Note: Black snoot will reduce light).



Flush Mount Mud Ring

| | |
|--------------------|-----------|
| NIO-FMMR-1R | 1" Round |
| NIO-FMMR-1S | 1" Square |
| NIO-FMMR-2R | 2" Round |
| NIO-FMMR-2S | 2" Square |
| NIO-FMMR-4R | 4" Round |
| NIO-FMMR-4S | 4" Square |

Allows flanged Iolite trims to be installed even with the ceiling plane. Flange is visible. Attaches to drywall. Requires professional drywall finishing. Only for use with NIOB-1, NIOB-2, NIO-4 reflectors and respective new construction housings.

THREE FINISHING OPTIONS:

Flanged or Trim

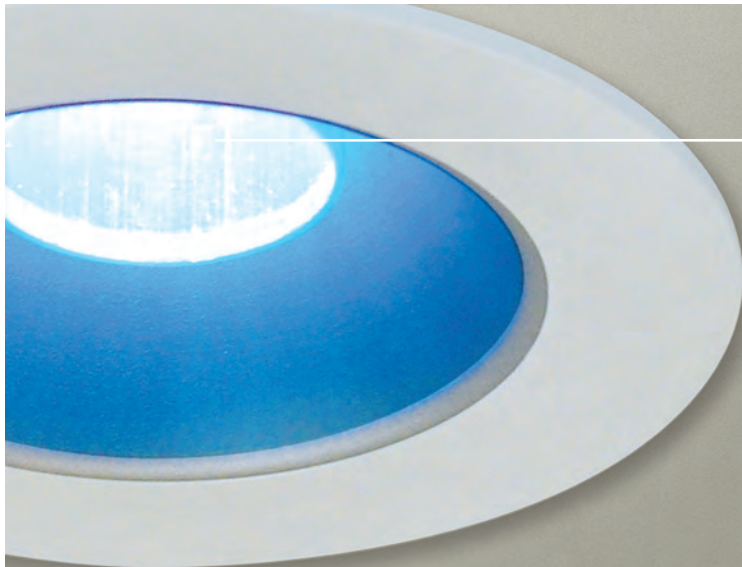
A standard finishing technique, the Flanged or Trim option requires the least labor and offers the largest selection of reflectors. The Iolite flange is extremely thin, extending off the ceiling ever so slightly, approximately 1/16".

Flush Mount

The Flush Mount option requires the installation of the flush mount mud ring after the drywall is installed. A professional drywall finisher floats the ceiling to blend in the mud-ring. An electrician then installs the Iolite reflector with the flange exposed but even with the ceiling plane for a beautiful seamless appearance.

Trimless

Often referred to as flange-less, the Trimless option is considered the premium finishing technique. The trimless effect requires the installation of the trimless mud ring after the drywall is installed. A professional drywall finisher floats the ceiling to blend in the mud-ring, sands and paints. The reflector is then inserted into the ring and the result is a spectacular, minimalist appearance with no flange.



Color the aperture while producing white general light with **Translucent Collars**

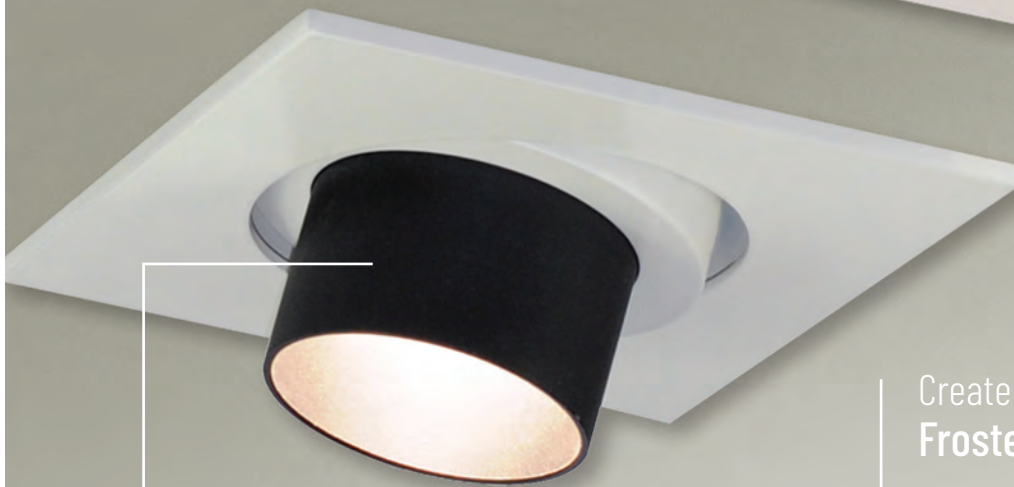
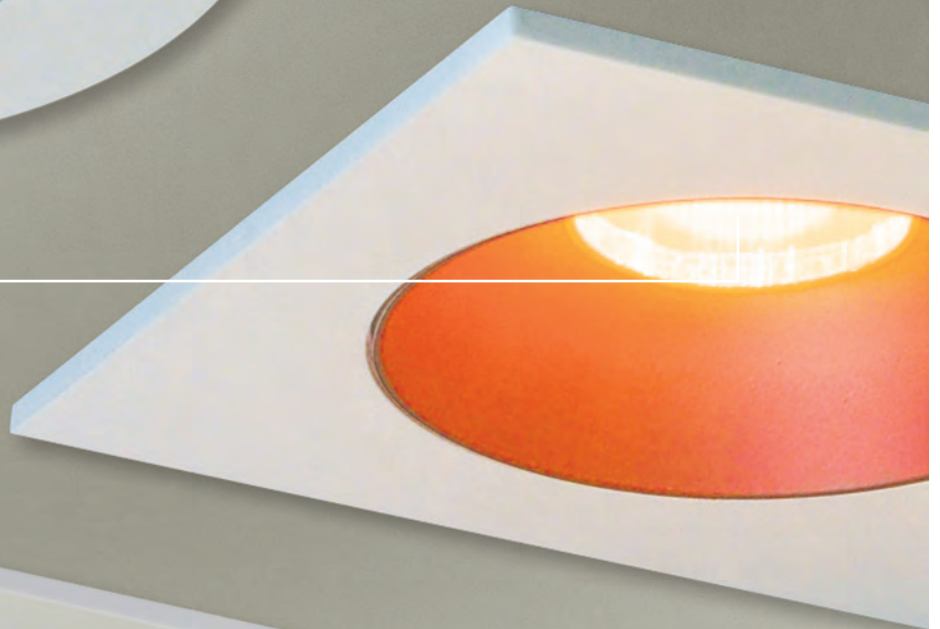
NIO-4RNDC30XHW / NIO-AS19BLU

4" Round Deep Regress Reflector with Translucent Deco Collar in Blue

Create a mood with **Color Accessories**

NIO-4SNDC30XWW / NIO-AS19AM

4" Square Deep Cone Regress Reflector with Translucent Deco Collar in Amber



Reduce aperture brightness while preserving light output with **Opaque Collars**

NIOB-2SG30XWW / NIO-AS26BLK

2" Square Surface Gimbal Reflector with Opaque Collar Snoot in Black

Create a soft glow with **Frosted Accessories**

NIOB-1RNG40XWW / NIO-1AS24FR

1" BWF Round Straight Regress Reflector with Translucent Deco Collar in Frost





Neutral



Warm



Cool



Red



Blue



Purple

PRISM Series

SMART LED RGBW RETROFIT DOWNLIGHTING



Control with a smartphone, remote or wall switch!



PRISM series of Smart LED RGBW downlights change the color of light and color temperature to meet any designer's or end user's needs as they change.

Available in **4" or 5"/6" apertures in baffle or reflector styles** with a deep cut-off providing visual comfort, the **PRISM produces 750 to 800 lumens** at 90+ CRI and is programmable from 2700K to 4000K when on the white color setting and offers thousands of RGBW color possibilities.

Using **Bluetooth technology**, the PRISM can be programmed with a smartphone, then controlled by your hand held remote, decora wall switch or smartphone. A standard on/off wall switch can be used for on/off functionality. Control the lights all as one, by zone, scene, or individually. PRISM is the new age in simple, affordable lighting control.

PRISM can be easily retrofitted into existing 4", 5" or 6" housings or installed in remodel or new construction applications.



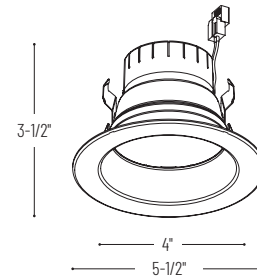
PRISM RGBW SERIES LED RETROFIT

4" RETROFIT 750LM



NLPR-441
4" Reflector
BZBZ, HZW, WW

NLPR-442
4" Baffle
BZBZ, WW



PRISM SMART RGBW 4" RETROFIT & DEDICATED UNIT

| SERIES / APERTURE | REFLECTOR TYPE | SOURCE | FINISH |
|-------------------|----------------|--------|-----------------------|
| NLPR-4 4" | 41 Reflector | RGBW | /WW White / White |
| | 42 Baffle | | /BZBZ Bronze / Bronze |
| | | | /HZW Haze / White |

Example: **NLPR-441RGBW/WW** - 4" PRISM Smart LED RGBW Retrofit Downlight Reflector, White finish

4" PRISM Smart LED RGBW Retrofit Downlights are cULus classified for use in existing 4" housings manufactured by Nora and others. The units produce up to 750lm output, drawing 11.5W and rendering 90+ CRI. A cutting edge Smart downlight, PRISM produces selectable light output from warm to cool white, red, green, blue or a mixture of colored light. PRISM can be programmed by scene or up to eight zones, has auto on and auto off features and may be synced to music. PRISM is controlled by smartphone, remote or wall switch.

ELECTRICAL:

Voltage: 120VAC

Lumens / Wattage: 750lm / 11.5W

Color Rendering Index: 90+ CRI

LED Driver: Built-in driver

Dimming: Accomplished through smartphone or hand-held remote. Nora recommends removing existing dimmers that control a circuit in which PRISM is to be installed in a retrofit application.

RETROFIT:

PRISM retrofit series includes medium base screw-socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

MOUNTING: Torsion blades

CONSTRUCTION: Spun Aluminum

LENS: Shatter-proof, diffused polycarbonate lens, deep-set to reduce aperture glare.

LISTING & WARRANTY:

- cULus Classified for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty

COMPATIBLE HOUSINGS:

New Construction

- NHIC-4LMRAT** 4" ICAT Dedicated LED
- NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V
- NFBIC-4LMRATA** 4" ICAT Dedicated LED Fire Box
- NSIC-401QAT** 4" ICAT Line Voltage
- NFBIC-4INCATA** 4" ICAT Line Voltage Fire Box
- NS-401QAT** 4" AT Line Voltage
- NHIC-4G24AT** 4" ICAT GU24¹

Remodel

- NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED
- NSRIC-404QAT** 4" Remodel ICAT Line Voltage
- NSR-401QAT** 4" Remodel AT Line Voltage
- NHRIC-4G24AT** 4" Remodel ICAT GU24¹

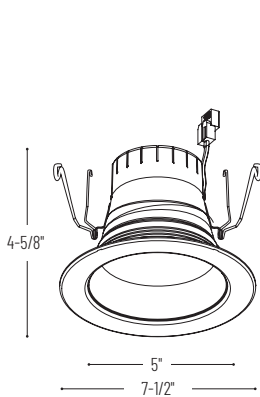
¹ Requires NRA-212SM - GU24 adaptor

PRISM fixtures feature tunable white options—2700K, 3000K, 3500K or 4000K—as well as hundreds of color configurations, music mode and smart features.



LED RETROFIT PRISM RGBW SERIES

800LM 5"/6" RETROFIT



NLPR-5641
5 1/6" Reflector
BB, BZBZ, HZW, WW



NLPR-5642
5 1/6" Baffle
BZBZ, WW

PRISM SMART RGBW 5"/6" RETROFIT & DEDICATED UNIT

| SERIES / APERTURE | REFLECTOR TYPE | SOURCE | FINISH |
|----------------------|---------------------|-------------|------------------------------|
| NLPR-56 5"/6" | 41 Reflector | RGBW | /WW White / White |
| | 42 Baffle | | /BZBZ Bronze / Bronze |
| | | | /HZW Haze / White |
| | | | /BB Black / Black |

Example: **NLPR-5642RGBW/BZBZ** - 5"/6" PRISM Smart LED RGBW Retrofit Downlight Baffle, Bronze finish

5"/6" PRISM Smart LED RGBW Retrofit Downlights are cULus classified for use in existing 5"/6" housings manufactured by Nora and others. The units produce up to 800lm output, drawing 13W and rendering 90+ CRI. A cutting edge Smart downlight, PRISM produces selectable light output from warm to cool white, red, green, blue or a mixture of colored light. PRISM can be programmed by scene or up to eight zones, has auto on and auto off features and may be synced to music. PRISM is controlled by smartphone, remote or wall switch.

ELECTRICAL:

Voltage: 120VAC

Lumens / Wattage: 800lm / 13W

Color Rendering Index: 90+ CRI

LED Driver: Built-in driver

Dimming: Accomplished through smartphone or hand-held remote. Nora recommends removing existing dimmers that control a circuit in which PRISM is to be installed in a retrofit application.

RETROFIT:

PRISM retrofit series includes medium base screw-socket adapter (NRA-21ISM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

MOUNTING: Torsion blades

CONSTRUCTION: Spun Aluminum

LENS: Shatter-proof, diffused polycarbonate lens, deep-set to reduce aperture glare.

LISTING & WARRANTY:

- cULus Classified for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty

COMPATIBLE HOUSINGS:

New Construction

- NHIC-5LMRAT 5" ICAT Dedicated LED
- NHIC-5LMRAT/277 5" ICAT Dedicated LED, 277V
- NFBIC-5LMRATA 5" ICAT Dedicated LED Fire Box
- NHIC-527LMRAT 5" ICAT Shallow Dedicated LED
- NHIC-5010AT 5" ICAT Line Voltage
- NFBIC-5INCATA 5" ICAT Line Voltage Fire Box
- NH-5010 5" Line Voltage
- NHIC-5624ATFL 5" ICAT GU24 (requires NRA-212SM)
- NHIC-6LMRAT 6" ICAT Dedicated LED
- NHIC-6LMRAT/277 6" ICAT Dedicated LED, 277V
- NFBIC-6LMRATA 6" ICAT Dedicated LED 2-Hour Fire Rated
- NHIC-27LMRAT 6" ICAT Shallow Dedicated LED
- NHIC-170AT 6" ICAT Line Voltage
- NHIC-170NBAT 6" ICAT Line Voltage (no bracket)
- NFBIC-6INCATA 6" ICAT Medium Base 2-Hour Fire Rated
- NH-260 6" Line Voltage
- NH-260NB 6" Line Voltage (no bracket)
- NHIC-6624ATFL 6" ICAT GU24 (requires NRA-212SM)

Remodel

- NHRIC-5LMRAT 5" Remodel ICAT Dedicated LED
- NHRIC-527LMRAT 5" Remodel ICAT Shallow Ded. LED
- NHRIC-5040AT 5" Remodel ICAT Line Voltage
- NHR-5040 5" Remodel Line Voltage
- NHRIC-5624ATFL 5" Remodel ICAT GU24 (req. NRA-212SM)
- NHRIC-6LMRAT 6" Remodel ICAT Dedicated LED
- NHRIC-27LMRAT 6" Remodel ICAT Shallow Ded. LED
- NHRIC-170AT 6" Remodel AT Line Voltage
- NHRIC-170NBAT 6" Remodel AT Line Voltage (no bracket)
- NHR-260 6" Remodel Line Voltage
- NHRIC-6624ATFL 6" Remodel ICAT GU24 (req. NRA-212SM)



PRISM RGBW SERIES LED RETROFIT ACCESSORIES



PRISM Master Remote Control

NLPR-RGBWCONT

Master

Master control for all installed PRISM downlights in an application. Controls on/off functionality, dimming, change color temperature and change color of light. Multiple remotes can control the same installed fixtures. Includes holster for wall mounting.



PRISM Zone Remote Control

NLPR-ZONECONT

Zone

Control for a specified zone of installed PRISM downlights. Controls on/off functionality, dimming and color temperature. Each zone remote can be programmed to control up to four zones (ControlLIT app can control up to eight zones). Multiple zone control remotes can be used in a single environment. Can be used to control all connected lights. Zones must be set through Nora's ControlLIT app. Includes holster for wall mounting.



PRISM Decora Wall Control (plate not included)

NLPR-DWC-RGBWCONT

Master

Requires NO wiring and works just like a master remote control. Controls all installed PRISM downlights in an application. Controls on/off functionality, dimming, change of color temperature and change of light color. Can be mounted as wall control in an existing Decora plate. Control is held in plate with magnet and is easily removed to replace battery or use as hand held remote.



Medium Base Socket

NRA-21ISM

Screw in medium base socket for retrofitting into existing medium base downlight housings. One NRA-21ISM is included with each PRISM.



GU24 Socket Adapter

NRA-212SM

GU24 socket adapter for use with GU24 base housings.



PRISM Smartphone Application

ControlLIT

Compatible with iOS or Android Systems. Download the free app from the Google Play Store or the App Store.

Use the application to login and program each PRISM luminaire, program remotes, create zones, create scenes, set timers and change fixture's names.

Additional features include: setting color temperatures, changing color of light, music mode (changes color of light to the beat of music) or party mode (changes color of light randomly)





Cobalt Series

COMMERCIAL AND RESIDENTIAL LED DOWNLIGHTING



Cobalt Series consists of five different styles, all sharing the same Cree COB technology for color consistency across the series. Reflectors are available in 4", 5" or 6" apertures and producing up to 2000 lumens.

Cobalt Click family can produce up to 1000 lumens from a retrofit luminaire. Reflector options include round or square aperture and white dimming or comfort dim. Click family is ideal for all applications with emergency, 0-10V and 277V input options.

Cobalt High Lumen family can produce up to 2000 lumens from a dedicated IC or Non-IC housing. Reflector options include round or square aperture with 0-10V dimming.

Cobalt Adjustable and Cobalt Elbow family can be used for any project; including sloped ceilings and retrofit applications.

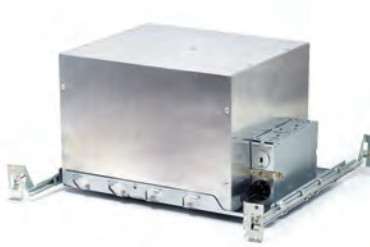
Adjustable retrofit reflector offers a clean look for any application without breaking the ceiling plane.

Cobalt Shallow IC Air-Tight Housing measures only 2-5/8" in depth, an ideal housing for multi-family structures with crowded ceiling plenums or minimal ceiling depth. 4" Reflectors produce up to 1400 lumens in round or square apertures with Triac, ELV or 0-10V dimming.



COBALT HIGH LUMEN SERIES COMMERCIAL AND RESIDENTIAL

6" HOUSING 1500LM OR 2000LM



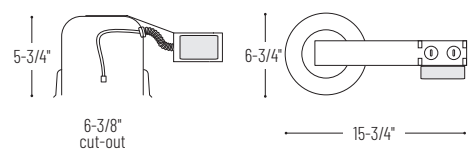
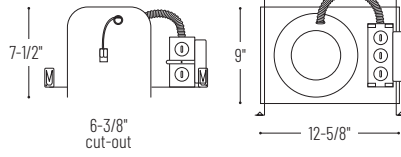
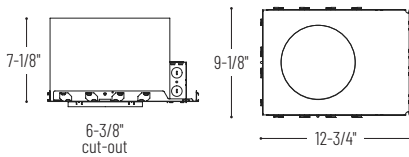
NHICCB-6
6" IC New Construction Housing



NHCB-6
6" New Construction Housing



NHRCB-6
6" Remodel Housing



COBALT HIGH LUMEN SERIES 6" NON-IC HOUSING

| SERIES / APERTURE | LUMENS / WATTAGE | VOLTAGE | OPTIONAL EMERGENCY |
|---------------------------------------|--|--|---|
| NHICCB-6 ICAT New Construction | 15 1500lm / 22W 20 2000lm / 28W | LE4 120/277V input; Triac, ELV or 0-10V | PEM Pre-wired for Emergency Battery (specify battery and test switch separately) |
| NHCB-6 Non-IC New Construction | 15 1500lm / 21W 20 2000lm / 34W | LE1 120V input; 0-10V dimming LE2 277V input; 0-10V dimming | EM Emergency with Remote Test Switch |
| NHRCB-6 Non-IC Remodel | 15 1500lm / 21W 20 2000lm / 34W | LE1 120V input; 0-10V dimming LE2 277V input; 0-10V dimming | PEM Pre-wired for Emergency Battery (specify battery and test switch separately) |

Example: **NHRCB-620LE2** - 6" Non-IC Remodel Housing, 2000lm / 34W, 277V input; 0-10V dimming.

Cobalt High Lumen LED dedicated new construction and remodel housings allow our Cobalt High Lumen reflectors to produce up to 2000 lumens. The reflectors look identical to a 6" Cobalt from below the ceiling, but produce an incredible 1500 or 2000 lumens at 90+CRI for higher ceiling applications.

ELECTRICAL:

Voltage: 120V or 277V

Lumens: 1500lm or 2000lm

Wattage: Varies by housing

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

LED: Cree® COB

Dimming: Triac, ELV or 0-10V (must specify)

CONSTRUCTION:

Housing: High quality, die-cut 0.040 aluminum one-piece frame. Arm consisting of 0.050 structural steel connects remodel housing with junction box.

Reflector: Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output.

INSTALLATION:

New Construction: Bar hangers are adjustable to 24-1/2" and can be repositioned 90 degrees. Bar hangers are provided for T-bar installations.

Remodel: High-tension tempered steel springs secure remodel housings evenly to the ceiling. Accommodates ceiling thicknesses from 1/2" to 1-1/4".

MINIMUM CLEARANCES: Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components. IC rated housings require no minimum clearance.

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. IC and remodel housing require remote battery, specify NEPK-07LEDUNV.

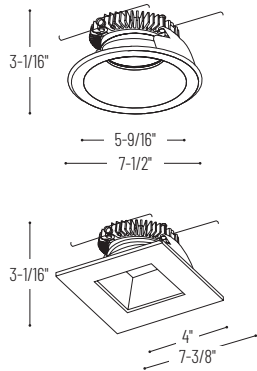
LISTING & WARRANTY:

- cULus Listed for Wet Location
- Meets or exceeds ASTM-283 Air-Tight Requirements
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements (IC housing only)
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL COBALT HIGH LUMEN SERIES

1500LM OR 2000LM 6" REFLECTORS



NLCB2-651
6" Reflector
BB, BW, BZBZ, COCO, DW, HZW,
MPW, NN, WW

NLCB2-652
6" Baffle
BB, BW, BZBZ, MPW, NN, WW

NLCB2-653
6" Square w/Round Aperture
BZBZ, DW, HZW, MPW, WW

NLCB2-656
6" Square Regress
BB, BW, BZBZ, HZW, MPW,
NN, PW, WW

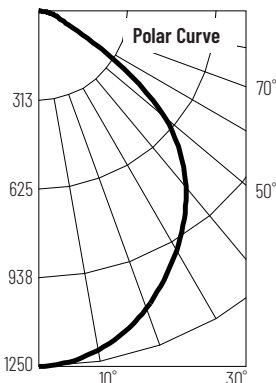
COBALT HIGH LUMEN SERIES 6" REFLECTORS REQUIRES NHICCB-6, NHCB-6 OR NHRCB-6 HOUSING

| SERIES / APERTURE | TRIM TYPE | LUMENS | COLOR TEMP | FINISH |
|-------------------|---------------------------------------|--------------------------------------|--|---|
| NLCB2-6 | 51 Round Reflector | 15 1500lm 20 2000lm | 27 2700K 30 3000K 35 3500K 40 4000K | BB Black w/Black Flange |
| | 52 Round Baffle | | | BW Black w/White Flange |
| | 53 Square with Round Aperture | | | BZBZ Bronze w/Bronze Flange |
| | 56 Square with Square Aperture | | | COCO Copper w/Copper Flange |
| | | | | DW Diffused Clear w/White Flange |
| | | | | HZW Haze w/White Flange |
| | | | | MPW Matte Powder White w/Matte Powder White Flange |
| | | | | NN Nat Metal w/Nat Metal Flange |
| | | | | PW Pewter w/White Flange (656 only) |
| | | | | WW White w/White Flange |

Example: **NLCB2-6512035WW** - 6" Reflector, 2000lm, 3500K, White Reflector and White Flange.

PHOTOMETRICS

Test Number: NTR191
Part Number: NLCB2-6512035WW
Lumens: 2676lm
Wattage: 27.3W
Efficacy: 98lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.18
Spacing Criteria (90°-270°): 1.18



Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 6' | 34.5fc | 13'-7" |
| 9' | 15.3fc | 20'-6" |
| 12' | 8.6fc | 27'-4" |
| 15' | 5.5fc | 34'-1" |
| 18' | 3.8fc | 40'-11" |

Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 1241 |
| 5 | 1239 |
| 15 | 1171 |
| 25 | 1050 |
| 35 | 900 |
| 45 | 714 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 927 | 34.6 |
| 0-40 | 1487 | 55.6 |
| 0-60 | 2401 | 89.7 |
| 0-90 | 2644 | 98.8 |
| 90-180 | 32 | 1.2 |
| 0-180 | 2676 | 100 |

ACCESSORIES



NLCBC-6EYELIDB Round Eyelid, Black
NLCBC-6EYELIDBZ Round Eyelid, Bronze
NLCBC-6EYELIDMPW Round Eyelid, Matte Powder White
NLCBC-6EYELIDW Round Eyelid, White



NLCBC-60R-B Round Oversize Ring, Black
NLCBC-60R-BZ Round Oversize Ring, Bronze
NLCBC-60R-MPW Round Oversize Ring, Matte Powder White
NLCBC-60R-W Round Oversize Ring, White

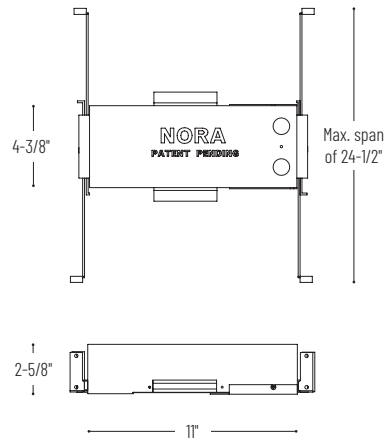
COBALT SERIES COMMERCIAL AND RESIDENTIAL

4" SHALLOW IC AIR-TIGHT HOUSING 850LM TO 1400LM



NHSIC-4

4" Cobalt Shallow IC Air-Tight New Construction Housing



COBALT SERIES 4" SHALLOW HOUSING

| SERIES / APERTURE | LUMENS | VOLTAGE |
|---|------------------------|--|
| NHSIC-4 4" Shallow IC Air-Tight New Construction | 85 850lm / 13W | LE3LT 120V input; Triac / ELV Dimming |
| | 12 1250lm / 16W | LE4LT 120-277V input; Triac / ELV / 0-10V Dimming |
| | 14 1400lm / 22W | |

Example: **NHSIC-485LE3LT** - 4" Shallow IC Air-Tight New Construction Housing, 850lm / 13W, 120V Input; Triac/ELV dimming

Shallow, specification grade, IC air-tight new construction housing that is only 2-5/8" tall. The patent pending driver design allows complete accessibility from below the ceiling. Dedicated reflectors are available in multiple finishes and lumens outputs, in round and square apertures. Cobalt family utilizes Cree LED technology throughout, for consistent and uniform appearance.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage:

850lm / 13W, 1250lm / 16W, 1400lm / 22W

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 3500K, 4000K

LED: Cree® COB

Dimming: Triac, ELV or 0-10V dimming

CONSTRUCTION:

Housing: Heavy gauge welded 0.04" steel housing with two inner boxes adjusts from 3/8" to 1-1/4" maximum ceiling thickness. Suitable for contact with insulation. Patent pending movable driver compartment for easy access to driver after installation.

Trim: Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. The deep trim places the LED optics deeper, increasing the visual comfort and reduces COB board images when off. Available in round reflector, baffle, square/round and square/square styles

INSTALLATION:

New Construction: Bar hangers are adjustable to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installations.

MINIMUM CLEARANCES: IC housings are rated for direct contact with thermal insulation and does not have any minimum clearance requirements.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- Meets or exceeds ASTM-283 Air-Tight Requirements
- ENERGY STAR certified (850lm and 1250lm only)
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMMERCIAL AND RESIDENTIAL COBALT SERIES

850LM TO 1400LM 4" SHALLOW IC AIR-TIGHT REFLECTORS



COBALT SERIES 4" SHALLOW REFLECTORS REQUIRES NHSIC-4 HOUSING

| SERIES / APERTURE | TRIM TYPE | LUMENS | COLOR TEMP | FINISH |
|-------------------|---------------------------------------|--|-----------------|--|
| NLCBS-4 | W51 Round Reflector | 85 850lm / 13W | 27 2700K | BB Black w/Black Flange |
| | W52 Round Baffle | 12 1250lm / 16W | 30 3000K | BW Black w/White Flange |
| | 53 Square with Round Aperture | 14* 1400lm / 22W | 35 3500K | BZ Bronze w/Bronze Flange |
| | 56 Square with Square Aperture | <i>* 1400lm package not listed under ENERGY STAR</i> | 40 4000K | DW Diffused Clear w/White Flange |
| | | | | DMPW Diffused Clear w/Matte Powder White Flange |
| | | | | HMPW Haze w/Matte Powder White Flange |
| | | | | HZW Haze w/White Flange |
| | | | | MPW Matte Powder White |
| | | | | NN Natural Metal w/Natural Metal Flange |
| | | | | PW Pewter w/White Flange (456 only) |
| | | | | WW White w/White Flange |

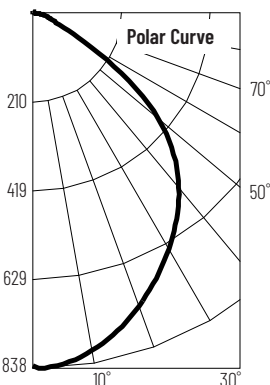
Example: **NLCBS-4538530WW** - 4" Square Reflector w/Round Aperture, 850lm / 13W, 3000K, White Reflector / White Flange.

PHOTOMETRICS

Test Number: NTR1181
 Part Number: NLCBS-4W511440WW
 Lumens: 1781lm
 Wattage: 22W
 Efficacy: 81lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180): 1.18
 Spacing Criteria (90°-270): 1.18

Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4' | 52.1fc | 9'-2" |
| 6' | 23.1fc | 13'-11" |
| 8' | 13fc | 18'-6" |
| 10' | 8.3fc | 23'-1" |
| 12' | 5.8fc | 27'-8" |



Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0 | 833 |
| 5 | 830 |
| 15 | 780 |
| 25 | 693 |
| 35 | 596 |
| 45 | 480 |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30 | 618 | 34.7 |
| 0-40 | 990 | 55.6 |
| 0-60 | 1617 | 90.8 |
| 0-90 | 1767 | 99.2 |
| 90-180 | 14 | 0.8 |
| 0-180 | 1781 | 100 |

COBALT CLICK SERIES RETROFIT

4" RETROFIT 750LM OR 1000LM

Patent No. D824568



NLCBC2-451
4" Deep Reflector
BB, BW, BZBZ, COCO, DW,
HZW, MPW, NN, WW



NLCBC2-452
4" Deep Baffle
BB, BW, BZBZ, MPW, NN, WW



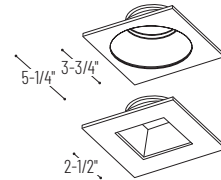
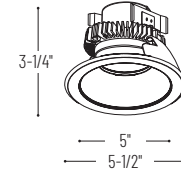
NLCBC2-453
4" Square Round
BZBZ, DW, HZW, MPW, WW



NLCBC2-456
4" Square Regress
BB, BW, BZBZ, HZW, MPW, NN,
PW, WW



Each Cobalt retrofit includes a medium base socket for easy retrofitting



COBALT CLICK SERIES 4" 750LM OR 1000LM RETROFIT

| SERIES / REFLECTOR TYPE | COLOR TEMP / CRI | FINISH | LUMENS / WATTAGE | DIMMING + EMERGENCY |
|---|--|---|-------------------------|--|
| NLCBC2-451 Deep Reflector | 27 2700K / 90 CRI | BB Black with Black Flange | /A 750lm / 10W | (blank) 120V Triac / ELV |
| NLCBC2-452 Deep Baffle | 30 3000K / 90 CRI | BW Black with White Flange | /10 1000lm / 12W | EM Remote Emergency (requires Nora EM housing) |
| NLCBC2-453 Square Round | 35 3500K / 90 CRI | BZBZ Bronze with Bronze Flange | | LE2 277V Non-Dimming (not available in 3500K) |
| NLCBC2-456 Square Regress | 40 4000K / 90 CRI | COCO Copper with Copper Flange | | LE4 120V 0-10V / Triac; 277V 0-10V (requires Nora 4W housing) |
| units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | CD Comfort Dim Comfort Dim available in 750lm only | DW Diffused Clear with White Flange | | LE4EM LE4 w/ Remote Emergency (requires Nora 6WEM housing) |
| | | HZW Haze with White Flange | | |
| | | MPW Matte Powder White | | |
| | | NN Natural Metal with Natural Metal Flange | | |
| | | PW Pewter with White Flange (456 only) | | |
| | | WW White with White Flange | | |

Example: **NLCBC2-45130WW/A** - 4" Cobalt Click Retrofit Deep Reflector, 750lm / 10W, 3000K / 90 CRI, White Reflector with White Flange

LED Cobalt Click luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The units produce up to 1000 lumen output and integrate the latest from the Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage: 750lm / 10W or 1000lm / 12W

Color Temperature: 2700K, 3000K, 3500K, 4000K or Comfort Dim (3100K-1700K)

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C~25°C

Dimming: Triac, ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 1700K on a gradual, even curve. Available in 750lm only.

RETROFIT:

Cobalt retrofit series includes medium base screw-socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

INSTALLATION: Two steel, spring mounting blades allow for easy and secure mounting in most 4" housings.

CONSTRUCTION: Unitized Thermal Management system (UTM) provides exceptional cool operation exceeding all industry standards. "Click" system allows trims to be easily changed in the field.

ACCESSORIES:

NLCBC-4EYELID(finish) - Round eyelid used to convert round reflector or baffle to half moon wall wash trim.

Available in black, bronze, matte powder white or white.

NLCBC-4OR(finish) - Round oversize ring used to cover ceiling cut-outs up to 6". Available in black, bronze, matte powder white or white.

LISTING & WARRANTY:

- cULus Classified for Wet Location
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ENERGY STAR certified
- 5-Year Limited Warranty

COMPATIBLE HOUSINGS:

New Construction

NHIC-4LMRAT 4" ICAT Dedicated LED

NHIC-4LMRAT/EM 4" ICAT Dedicated LED for EM

NHIC-4LMRAT/4W 4" ICAT Dedicated LED for LE4

NHIC-4LMRAT/6WEM 4" ICAT Ded. LED for EM + LE4

NHIC-4LMRAT/277 4" ICAT Dedicated LED, 277V

Includes step-down transformer. Converts 277V to 120V

NFBIC-4LMRATA 4" ICAT Dedicated LED Fire Box

NFBIC-4LMRATA/4W 4" ICAT LED Fire Box for LE4

NSIC-401QAT 4" ICAT Line Voltage

NFBIC-4INCATA 4" ICAT Fire Box

NS-401QAT 4" AT Line Voltage

NHIC-4624AT 4" ICAT GU24

Remodel

NHRIC-4LMRAT 4" Remodel ICAT Dedicated LED

NSRIC-404QAT 4" Remodel ICAT Line Voltage

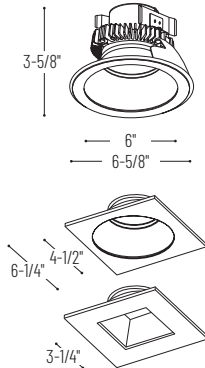
NSR-404QAT 4" Remodel AT Line Voltage

NHRIC-4624AT 4" Remodel ICAT GU24

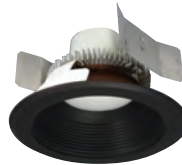




Each Cobalt retrofit includes a medium base socket for easy retrofitting



NLCBC2-551
5" Deep Reflector
BB, BW, BZBZ, COCO, DW,
HZW, MPW, NN, WW



NLCBC2-552
5" Deep Baffle
BB, BW, BZBZ, MPW, NN,
WW



NLCBC2-553
5" Square Round
BZBZ, DW, HZW, MPW, WW



NLCBC2-556
5" Square Regress
BB, BW, BZBZ, HZW, MPW,
NN, PW, WW

RETROFIT COBALT CLICK SERIES

750LM OR 1000LM 5" RETROFIT

Patent No. D824568

COBALT CLICK SERIES 5" 750LM OR 1000LM RETROFIT

| SERIES / REFLECTOR TYPE | COLOR TEMP / CRI | FINISH | LUMENS / WATTAGE | DIMMING + EMERGENCY |
|---|--|---|-------------------------|--|
| NLCBC2-551 Deep Reflector | 27 2700K / 90 CRI | BB Black with Black Flange | /A 750lm / 10W | (blank) 120V Triac / ELV |
| NLCBC2-552 Deep Baffle | 30 3000K / 90 CRI | BW Black with White Flange | /10 1000lm / 12W | EM Remote Emergency (requires Nora EM housing) |
| NLCBC2-553 Square Round | 35 3500K / 90 CRI | BZBZ Bronze with Bronze Flange | | LE2 277V Non-Dimming (not available in 3500K) |
| NLCBC2-556 Square Regress | 40 4000K / 90 CRI | COCO Copper with Copper Flange | | LE4 120V 0-10V / Triac; 277V 0-10V (requires Nora 4W housing) |
| units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | CD Comfort Dim Comfort Dim available in 750lm only | DW Diffused Clear with White Flange HZW Haze with White Flange MPW Matte Powder White NN Natural Metal with Natural Metal Flange PW Pewter with White Flange (556 only) WW White with White Flange | | LE4EM LE4 w/ Remote Emergency (requires Nora 6WEM housing) |

Example: **NLCBC2-55130WW/A** - 5" Cobalt Click Retrofit Deep Reflector, 750lm / 10W, 3000K / 90 CRI, White Reflector with White Flange

LED Cobalt Click luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The units produce up to 1000 Lumen output and integrate the latest from the Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage: 750lm / 10W or 1000lm / 12W

Color Temperature: 2700K, 3000K, 3500K, 4000K or Comfort Dim (3100K-1700K)

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C-25°C

Dimming: Triac, ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 1700K on a gradual, even curve. Available in 750lm only.

RETROFIT:

Cobalt retrofit series includes medium base screw-socket adapter (NRA-21ISM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

INSTALLATION: Two steel, spring mounting blades allow for easy and secure mounting in most 5" housings.

CONSTRUCTION: Unitized Thermal Management system (UTM) provides exceptional cool operation exceeding all industry standards. "Click" system allows trims to be easily changed in the field.

ACCESSORIES:

NLCBC-5EYELID(finish) - Round eyelid used to convert round reflector or baffle to half moon wall wash trim.

Available in black, bronze, matte powder white or white.

NLCBC-50R(finish) - Round oversize ring used to cover ceiling cut-outs up to 7-1/8". Available in black, bronze, matte powder white or white.

LISTING & WARRANTY:

- cULus Classified for Wet Location
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ENERGY STAR certified
- 5-Year Limited Warranty



COMPATIBLE HOUSINGS:

New Construction

NHIC-5LMRAT 5" ICAT Dedicated LED

NHIC-5LMRAT/EM 5" ICAT Dedicated LED for EM

NHIC-5LMRAT/4W 5" ICAT Dedicated LED for LE4

NHIC-5LMRAT/6WEM 5" ICAT Ded. LED for EM + LE4

NHIC-5LMRAT/277 5" ICAT Dedicated LED, 277V

Includes step-down transformer. Converts 277V to 120V

NFBIC-5LMRATA 5" ICAT Dedicated LED Fire Box

NHIC-527LMRAT 5" Shallow ICAT Dedicated LED

NHIC-501QAT 5" ICAT Line Voltage

NFBIC-5INCATA 5" ICAT Line Voltage Fire Box

NHIC-527QAT 5" Shallow ICAT Line Voltage

NH-501Q 5" Non-IC Line Voltage

NHIC-5624ATFL 5" ICAT GU24

Remodel

NHRIC-5LMRAT 5" Remodel ICAT Dedicated LED

NHRIC-527LMRAT 5" Remodel Shallow ICAT Ded. LED

NHRIC-504QAT 5" Remodel ICAT Line Voltage

NHRIC-527QAT 5" Remodel Shallow ICAT Line Voltage

NHR-504Q 5" Remodel Non-IC Line Voltage

NHRIC-5624ATFL 5" Remodel ICAT GU24

COBALT CLICK SERIES RETROFIT

6" RETROFIT 750LM OR 1000LM

Patent No. D824568



NLCBC2-651
6" Deep Reflector
BB, BW, BZBZ, COCO, DW,
HZMPW, HZW, MPW, NN, WW



NLCBC2-652
6" Deep Baffle
BB, BW, BZBZ,
MPW, NN, WW



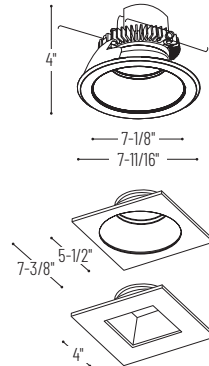
NLCBC2-653
6" Square Round
BZBZ, DW, HZW, MPW, WW



NLCBC2-656
6" Square Regress
BB, BW, BZBZ, HZW, MPW,
NN, PW, WW



Each Cobalt retrofit includes a medium base socket for easy retrofitting



COBALT CLICK SERIES 6" 750LM OR 1000LM RETROFIT

| SERIES / REFLECTOR TYPE | COLOR TEMP / CRI | FINISH | LUMENS / WATTAGE | DIMMING + EMERGENCY |
|---|--|---|-------------------------|--|
| NLCBC2-651 Deep Reflector | 27 2700K / 90 CRI | BB Black with Black Flange | /A 750lm / 10W | (blank) 120V Triac / ELV |
| NLCBC2-652 Deep Baffle | 30 3000K / 90 CRI | BW Black with White Flange | /10 1000lm / 12W | EM Remote Emergency (requires Nora EM housing) |
| NLCBC2-653 Square Round | 35 3500K / 90 CRI | BZBZ Bronze with Bronze Flange | | LE2 277V Non-Dimming (not available in 3500K) |
| NLCBC2-656 Square Regress | 40 4000K / 90 CRI | COCO Copper with Copper Flange | | LE4 120V 0-10V / Triac; 277V 0-10V (requires Nora 4W housing) |
| units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | CD Comfort Dim Comfort Dim available in 750lm only | DW Diffused Clear with White Flange | | LE4EM LE4 w/ Remote Emergency (requires Nora 6WEM housing) |
| | | HZMPW Haze with Matte Powder White Flange | | |
| | | HZW Haze with White Flange | | |
| | | MPW Matte Powder White | | |
| | | NN Natural Metal with Natural Metal Flange | | |
| | | PW Pewter with White Flange (656 only) | | |
| | | WW White with White Flange | | |

Example: **NLCBC2-65130WW/A** - 6" Cobalt Click Retrofit Deep Reflector, 750lm / 10W, 3000K / 90 CRI, White Reflector with White Flange

LED Cobalt Click luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The units produce up to 1000 lumen output and integrate the latest from the Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage: 750lm / 10W or 1000lm / 12W

Color Temperature: 2700K, 3000K, 3500K, 4000K or Comfort Dim (3100K-1700K)

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C-25°C

Dimming: Triac, ELV or 0-10V

COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 1700K on a gradual, even curve. Available in 750lm only.

RETROFIT:

Cobalt retrofit series includes medium base screw-socket adapter (NRA-21ISM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

INSTALLATION: Two steel, spring mounting blades allow for easy and secure mounting in most 6" housings.

CONSTRUCTION: Unitized Thermal Management system (UTM) provides exceptional cool operation exceeding all industry standards. "Click" system allows trims to be easily changed in the field.

ACCESSORIES:

NLCBC-6EYELID(finish) - Round eyelid used to convert round reflector or baffle to half moon wall wash trim.

Available in black, bronze, matte powder white or white.

NLCBC-60R(finish) - Round oversize ring used to cover ceiling cut-outs up to 8-1/4". Available in black, bronze, matte powder white or white.

LISTING & WARRANTY:

- cULus Classified for Wet Location
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ENERGY STAR certified
- 5-Year Limited Warranty



COMPATIBLE HOUSINGS:

New Construction

- NHIC-6LMRAT** 6" ICAT Dedicated LED
- NHIC-6LMRAT/EM** 6" ICAT Dedicated LED for EM
- NHIC-6LMRAT/4W** 6" ICAT Dedicated LED for LE4
- NHIC-6LMRAT/6WEM** 6" ICAT Ded. LED for LE4+EM
- NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V
Includes step-down transformer. Converts 277V to 120V
- NFBIC-6LMRATA** 6" ICAT Dedicated LED Fire Box
- NFBIC-6LMRATA/4W** 6" ICAT Ded. LED Fire Box for LE4
- NHIC-27LMRAT** 6" Shallow ICAT Dedicated LED
- NHIC-17QAT** 6" ICAT Line Voltage
- NFBIC-6INCATA** 6" ICAT Line Voltage Fire Box
- NHIC-27QAT** 6" Shallow ICAT Line Voltage
- NH-26Q** 6" Non-IC Line Voltage
- NHIC-6G24ATFL** 6" ICAT GU24

Remodel

- NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED
- NHRIC-27LMRAT** 6" Shallow Remodel ICAT Ded. LED
- NHRIC-17QAT** 6" Remodel ICAT Line Voltage
- NHRIC-27QAT** 6" Shallow Remodel ICAT Line Voltage
- NHR-26Q** 6" Remodel Line Voltage
- NHRIC-6G24ATFL** 6" Remodel ICAT GU24



COBALT ADJUSTABLE SERIES RETROFIT

4", 5", 6" RETROFIT 900LM TO 1000LM

PATENT PENDING



NLCBC-469
4" Adjustable Reflector
BB, BZBZ, HZN, HZW, MPW, WW



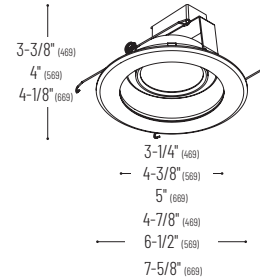
NLCBC-569
5" Adjustable Reflector
BB, BZBZ, HZN, HZW, MPW, WW



NLCBC-669
6" Adjustable Reflector
BB, BZBZ, HZN, HZW, MPW, WW



Each Cobalt retrofit includes a medium base socket for easy retrofitting



COBALT ADJUSTABLE SERIES 4", 5", 6" RETROFIT

| APERTURE / LUMENS / WATTAGE | TRIM TYPE | COLOR TEMP | FINISH | DRIVER/DIMMING |
|--|--------------------------------|--|--|---|
| NLCBC-4 4" / 900lm / 12W NLCBC-5 5" / 1000lm / 14W NLCBC-6 6" / 1000lm / 14W units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | 69 Adjustable Reflector | 27X 2700K 30X 3000K 35X 3500K 40X 4000K | BB Black with Black Flange BZBZ Bronze with Bronze Flange HZN Haze with Natural Metal Flange HZW Haze with White Flange MPW Matte Powder White WW White with White Flange | (blank) 120V Triac / ELV EM Remote Emergency (requires Nora EM housing) |
| NLCBC-4 4" / 900lm / 12W NLCBC-6 6" / 1000lm / 14W | 69 Adjustable Reflector | 30X 3000K 35X 3500K | HZW Haze with White Flange WW White with White Flange | LE4 120V 0-10V / Triac; 277V 0-10V (requires Nora 4W housing) LE4EM LE4 w/ Remote Emergency (requires Nora 6WEM housing) |

Example: **NLCBC-46935XWW** - 4" Adjustable Retrofit, 3500K, White Reflector with White Flange.

Nora Lighting's LED Cobalt Adjustable luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The patent pending design rotates and adjusts while never exposing an opening or breaking the ceiling plane. The units provide 900 or 1000 Lumen output and rendering 90+ CRI. Cobalt LEDs integrate the latest from the Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. Excellent for wall washing, accenting and slope ceiling applications.

ELECTRICAL:

Voltage: 120V or 120-277V
Lumens / Wattage: 900lm / 12W (4")
 1000lm / 14W (5" and 6")
Color Rendering Index: 90+ CRI
Operating Temperature: 0°C-25°C
Dimming: Triac, ELV or 0-10V

RETROFIT:

Cobalt retrofit series includes medium base screw-socket adapter (NRA-212SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

INSTALLATION: Friction Blades (4", 5") or Torsion Springs (6").

CONSTRUCTION: Aluminum spun reflector with deep set diffused lens.

ADJUSTABILITY: 358° rotate and 30° tilt.

OPTICS: Spot (included), Medium (included) and Flood optic (installed). TIR optics are available - see page 224.

LENS: Frosted (installed) and semi-frosted (included).

LISTING & WARRANTY:

- cULus Classified for Damp Location
- UL Classified for use with most manufacturers IC and Non-IC housings
- ASTM E283 for Air-Tight (with IC Housing)
- RoHs compliant
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ENERGY STAR certified
- 5-Year Limited Warranty



COMPATIBLE HOUSINGS:

4" Housings

NHIC-4LMRAT
 NHIC-4LMRAT/EM
 NHIC-4LMRAT/4W
 NHIC-4LMRAT/6WEM
 NFBIC-4LMRATA
 NFBIC-4LMRAT/4W
 NSIC-401QAT
 NFBIC-4INCATA
 NS-401QAT
 NHIC-4624AT

NHRIC-4LMRAT
 NSRIC-404QAT
 NSR-404QAT
 NHRIC-4624AT

5" Housings

NHIC-5LMRAT
 NHIC-5LMRAT/EM
 NFBIC-5LMRATA
 NHIC-527LMRAT
 NHIC-501QAT
 NFBIC-5INCATA
 NHIC-527QAT
 NH-501Q
 NHIC-5624ATFL

6" Housings

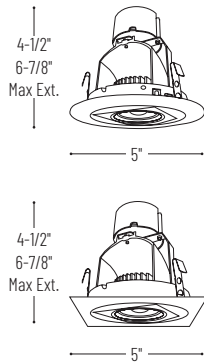
NHRIC-5LMRAT
 NHRIC-527LMRAT
 NHRIC-504QAT
 NHRIC-527QAT
 NHR-504Q
 NHRIC-5624ATFL

 NHIC-6LMRAT
 NHIC-6LMRAT/EM
 NHIC-6LMRAT/4W
 NHIC-6LMRAT/6WEM
 NFBIC-6LMRATA
 NFBIC-6LMRATA/4W
 NHIC-27LMRAT
 NHIC-17QAT
 NFBIC-6INCATA
 NHIC-27QAT
 NH-26Q
 NHIC-6624ATFL

 NHRIC-6LMRAT
 NHRIC-27LMRAT
 NHRIC-17QAT
 NHRIC-27QAT
 NHR-26Q
 NHRIC-6624ATFL

RETROFIT COBALT ADJUSTABLE SERIES

800LM 4" RETROFIT



NLCBC-470
4" Round Adjustable Elbow
BB, BZ, MPW, N, W



NLCBC-4870
4" Square Adjustable Elbow
BB, BZ, MPW, N, W

COBALT ADJUSTABLE ELBOW SERIES 4" RETROFIT

| SERIES / APERTURE | TRIM TYPE | COLOR TEMP | FINISH | DRIVER/DIMMING |
|---|------------------------------------|------------------|--|---|
| NLCBC-4 4" units are cULus classified for use with Nora dedicated housings and housings by others. Retrofitting a medium base can requires removal of socket. | 70 Round Adjustable Elbow | 27X 2700K | B/A Matte Black | (blank) 120V Triac / ELV |
| | 870 Square Adjustable Elbow | 30X 3000K | BZ/A Bronze | EM Remote Emergency (requires Nora EM housing) |
| | | 35X 3500K | MPW/A Matte Powder White | |
| | | 40X 4000K | N/A Natural Metal W/A White | |

Example: **NLCBC-47030XB** - 4" Round Adjustable Elbow Retrofit, 3000K, Black Finish.

LED Cobalt Adjustable Elbow luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The luminaires produce 800 lumens at 90+ CRI. The Cobalt series intergrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. The adjustable elbow allows for greater aiming flexibility with 358° rotate and 90° tilt adjustment.

ELECTRICAL:

Voltage: 120VAC

Lumens: 800lm / 13W

Color Temperature: 2700K, 3000K, 3500K or 4000K

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C–25°C

Dimming: Triac / ELV

INSTALLATION: Friction Blades.

CONSTRUCTION: Cast aluminum.

ADJUSTABILITY: 358° rotate and 90° tilt.

OPTICS: Spot (included) and Narrow Flood optic (installed) are changeable from the front of the fixture

LISTING & WARRANTY:

- cULus Classified for Damp Location when used with compatible frame-in
- Can be used to comply with 2016 Title 24 – part 6 High Efficacy LED light source requirements
- 5-Year Limited Warranty



COMPATIBLE HOUSINGS:

New Construction

NHIC-4LMRAT 4" ICAT Dedicated LED

NHIC-4LMRAT/277 4" ICAT Dedicated LED, 277V

NHIC-4LMRAT/EM 4" ICAT Dedicated LED for EM

NFBIC-4LMRATA 4" ICAT Dedicated LED Fire Box

NSIC-401QAT 4" ICAT Line Voltage

NS-401QAT 4" AT Line Voltage

NHIC-4624AT 4" ICAT GU24

Remodel

NHRIC-4LMRAT 4" Remodel ICAT Dedicated LED

NSRIC-404QAT 4" Remodel ICAT Line Voltage

NSR-404QAT 4" Remodel AT Line Voltage

NHRIC-4624AT 4" Remodel ICAT GU24



Onyx Series

LIGHT COMMERCIAL AND RESIDENTIAL LED RETROFIT DOWNLIGHTING



Onyx Retrofit Series is an economical and quality luminaire compatible with existing, new construction or remodel housings. Series is available in **4", 5"/6" or 6" apertures and producing up to 1200 lumens.**

AC Onyx family features AC LED technology and no driver on board. Retrofit series can produce up to **750 lumens in 4" and 5"/6" apertures.** Open reflector accepts snap-in reflector or baffle for variety of appearances.

Onyx TW family features Tunable White LED technology that allows the end user to **select the color temperature from 2700K, 3000K, 3500K, 4000K or 5000K.** Retrofit series can produce up to **1100 lumens in 4" and 5"/6" apertures.** Open reflector accepts snap-in reflector or baffle for variety of appearances.

Onyx family features adjustable and square aperture retrofit reflectors in 4", 5"/6" and 6" apertures. Reflectors produce up to **1200 lumens in 2700K, 3000K or 4000K.**



ONYX TW SERIES RETROFIT

4" TUNABLE WHITE RETROFIT 850LM



Each Onyx retrofit includes a medium base socket for easy retrofitting



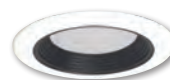
NOXTW-431
4" Round Reflector
BB, WW



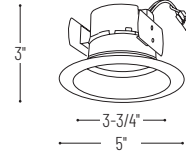
Shown with
Haze Reflector insert



NOXTW-432
4" Round Baffle
WW



Shown with
Black Baffle insert



ONYX TUNABLE WHITE SERIES 4" RETROFIT

| SERIES / REFLECTOR TYPE | COLOR TEMP / CRI | FINISH | LUMENS / WATTAGE |
|---|---|---|-----------------------|
| NOXTW-431 4" Round Reflector NOXTW-432 4" Round Baffle | (blank) Tunable 2700K, 3000K, 3500K, 4000K, 5000K | BB* Black with Black Flange WW White with White Flange | (blank) 850lm / 10.5W |
| Units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | | | |

Example: **NOXTW-431WW** - 4" Onyx Tunable White Retrofit Reflector, 850lm / 10.5W, 3000K / 90 CRI, White Reflector and White Flange

* Black reflector and black flange available on NOXTW-431 Reflector only

Onyx 4" Tunable White Retrofit Series include an integral tunable CCT switch. Die-cast aluminum construction provides clean sharp edges and is suitable for use with most 4" recessed housings. Deep regressed optics and round aperture deliver even and glare-free illumination.

ELECTRICAL:

Voltage: 120VAC
Lumens / Wattage:
850lm / 10.5W

Color Temperature:

Tunable 2700K, 3000K, 3500K, 4000K or 5000K

Color Rendering Index: 90+ CRI

Dimming: Triac or ELV

RETROFIT:

Onyx retrofit series includes medium base screw-socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

MOUNTING: Two steel, spring mounting blades allow for easy and secure mounting in most 4" housings.

CONSTRUCTION: One piece, die-cast aluminum construction dissipates heat and extends life. Unitized Thermal Management, UTM, provides exceptional cool operation.

ACCESSORIES:

- NOX-4EYELIDW** - Round eyelid used to convert round reflector or baffle to half moon wall wash trim.
- NOX-40R-W** - Round oversize ring used to cover ceiling cut-outs up to 6".

LISTING & WARRANTY:

- cULus Classified for Wet Location
- cULus Classified for use with most manufacturers IC and non-IC housings
- ASTM E283 for Air-Tight (with IC Housing)
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMPATIBLE HOUSINGS:

New Construction

- NHIC-4LMRAT** 4" ICAT Dedicated LED
- NHICCP-4LMRAT** 4" Chicago Plenum Dedicated LED
- NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V
- NFBIC-427LMRATA** 4" ICAT Shallow Dedicated Fire Box
- NFBIC-4LMRATA** 4" ICAT Dedicated LED Fire Box
- NHIC-427LMRAT** 4" ICAT Shallow Dedicated LED
- NSIC-401QAT** 4" ICAT Line Voltage
- NFBIC-4INCATA** 4" ICAT Line Voltage Fire Box
- NS-401QAT** 4" AT Line Voltage
- NHIC-4G24AT** 4" ICAT GU24¹

Remodel

- NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED
- NHRIC-427LMRAT** 4" Shallow Remodel ICAT Ded. LED
- NSRIC-404QAT** 4" Remodel ICAT Line Voltage
- NSR-404QAT** 4" Remodel AT Line Voltage
- NHRIC-4G24AT** 4" Remodel ICAT GU24¹

¹ Requires NRA-212SM - GU24 adaptor

Reflector Inserts

- NOX-4REFLB** Black Reflector Insert for NOXTW-431
- NOX-4REFLD** Clear Diffused Reflector Insert for NOXTW-431
- NOX-4REFLHZ** Haze Reflector Insert for NOXTW-431



Baffle Inserts

- NOX-4BAFB** Black Baffle Insert for NOXTW-431
- NOX-4BAFW** White Baffle Insert for NOXTW-431

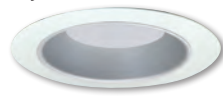
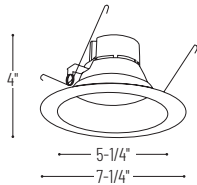




Each Onyx retrofit includes a medium base socket for easy retrofitting

RETROFIT ONYX TW SERIES

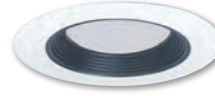
1100LM 5"/6" TUNABLE WHITE RETROFIT



Shown with Haze Reflector insert



Shown with Black Baffle insert



NOXTW-5631
5"/6" Round Reflector
BB, WW

NOXTW-5632
5"/6" Round Baffle
WW

ONYX TUNABLE WHITE SERIES 5"/6" RETROFIT

| SERIES / REFLECTOR TYPE | COLOR TEMP / CRI | FINISH | LUMENS / WATTAGE |
|---|---|------------------------------------|------------------------|
| NOXTW-5631 5"/6" Round Reflector | (blank) Tunable 2700K, 3000K, 3500K, 4000K, 5000K | BB* Black with Black Flange | (blank) 1100lm / 15.5W |
| NOXTW-5632 5"/6" Round Baffle | | WW White with White Flange | |

Units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.

Example: **NOXTW-5631WW** - 5"/6" Onyx Tunable White Retrofit Reflector, 1100lm / 15.5W, 3000K / 90 CRI, White Reflector and White Flange

* Black reflector and black flange available on NOXTW-5631 Reflector only

Onyx 5"/6" Tunable White Retrofit Series include an integral tunable CCT switch. Die-cast aluminum construction provides clean sharp edges and is suitable for use with most 5" and 6" recessed housings. Deep regressed optics and round aperture deliver even and glare-free illumination.

ELECTRICAL:

Voltage: 120VAC

Lumens / Wattage: 1100lm / 15.5W

Color Temperature:

Tunable 2700K, 3000K, 3500K, 4000K or 5000K

Color Rendering Index: 90+ CRI

Dimming: Triac or ELV

RETROFIT:

Onyx retrofit series includes medium base screw-socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

MOUNTING: Two steel, spring mounting blades allow for easy and secure mounting in most 5" and 6" housings.

CONSTRUCTION: One piece, die-cast aluminum construction dissipates heat and extends life. Unitized Thermal Management, UTM, provides exceptional cool operation.

ACCESSORIES:

NOX-56EYELIDW - Round eyelid used to convert round reflector or baffle to half moon wall wash trim.

NOX-560R-W - Round oversize ring used to cover ceiling cut-outs up to 8-1/4".

LISTING & WARRANTY:

- cULus Classified for Wet Location
- cULus Classified for use with most manufacturers IC and non-IC housings
- ASTM E283 for Air-Tight (with IC Housing)
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



COMPATIBLE HOUSINGS:

New Construction

NHIC-5LMRAT 5" ICAT Dedicated LED

NHIC-5LMRAT/277 5" ICAT Dedicated LED, 277V

NFBIC-5LMRATA 5" ICAT Dedicated LED Fire Box

NHIC-527LMRAT 5" Shallow ICAT Dedicated LED

NHIC-5010AT 5" ICAT Line Voltage

NFBIC-5INCATA 5" ICAT Line Voltage Fire Box

NH-5010 5" Line Voltage

NHIC-5270AT 5" Shallow ICAT Line Voltage

NHIC-5624ATFL 5" ICAT GU24 (requires NRA-212SM)

NHIC-6LMRAT 6" ICAT Dedicated LED

NHICCP-6LMRAT 6" Chicago Plenum Dedicated LED

NHIC-6LMRAT/277 6" ICAT Dedicated LED, 277V

NFBIC-6LMRATA 6" ICAT Dedicated LED Fire Box

NHIC-27LMRAT 6" Shallow ICAT Dedicated LED

NHIC-170AT 6" ICAT Line Voltage

NHIC-170NBAT 6" ICAT Line Voltage (No Bracket)

NFBIC-6INCATA 6" ICAT Line Voltage Fire Box

NH-260 6" Line Voltage

NH-260NB 6" Line Voltage (No Bracket)

NHIC-6624ATFL 6" ICAT GU24 (requires NRA-212SM)

Remodel

NHRIC-5LMRAT 5" Remodel ICAT Dedicated LED

NHRIC-5040AT 5" Remodel ICAT Line Voltage

NHRIC-5040AT 5" Shallow Remodel ICAT Line Voltage

NHR-5040 5" Remodel Line Voltage

NHRIC-5624ATFL 5" Remodel ICAT GU24 (req. NRA-212SM)

NHRIC-6LMRAT 6" Remodel ICAT Dedicated LED

NHRIC-27LMRAT 6" Shallow Remodel ICAT Dedicated LED

NHRIC-170AT 6" Remodel ICAT Line Voltage

NHRIC-170NBAT 6" Remodel ICAT Line Volt (No Bracket)

NHRIC-270AT 6" Shallow Remodel ICAT Line Voltage

NHR-260 6" Remodel Line Voltage

NHRIC-6624ATFL 6" Remodel ICAT GU24 (req. NRA-212SM)

Reflector Inserts



NOX-56REFLB Black Reflector Insert for NOXTW-5631

NOX-56REFLD Clear Diffused Reflector Insert for NOXTW-5631

NOX-56REFLHZ Haze Reflector Insert for NOXTW-5631

Baffle Inserts



NOX-56BAFB Black Baffle Insert for NOXTW-5631

NOX-56BAFW White Baffle Insert for NOXTW-5631

ONYX SERIES RETROFIT

4" RETROFIT 650LM OR 900LM



Each Onyx retrofit includes a medium base socket for easy retrofitting



Shown with Haze Reflector insert



Shown with Black Baffle insert



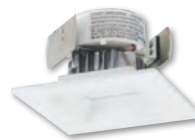
NOXAC-431
4" Round Reflector
WW



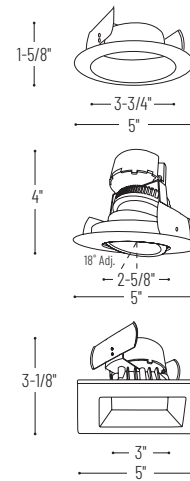
NOXAC-432
4" Round Baffle
WW



NOX-434
4" Round Adjustable
WW



NOX-436
4" Square Reflector
WW



ONYX SERIES 4" RETROFIT

| SERIES / REFLECTOR TYPE | COLOR TEMP / CRI | FINISH | LUMENS / WATTAGE |
|---|--------------------------|-----------------------------------|--|
| NOXAC-431 4" Round Reflector | 27 2700K / 90 CRI | WW White with White Flange | (blank) 650lm / 10.5W |
| NOXAC-432 4" Round Baffle | 30 3000K / 90 CRI | | |
| Units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | 35 3500K / 90 CRI | | |
| | 40 4000K / 90 CRI | | |
| | 50 5000K / 90 CRI | | |
| NOX-434 4" Round Adjustable | 27 2700K / 90 CRI | WW White with White Flange | (blank) 650lm / 10.5W |
| | 30 3000K / 90 CRI | | |
| | 40 4000K / 90 CRI | | |
| NOX-436 4" Square Reflector | 27 2700K / 90 CRI | WW White with White Flange | (blank) 650lm / 10.5W /9 900lm / 14.5W |
| | 30 3000K / 90 CRI | | |
| | 40 4000K / 90 CRI | | |

Example: **NOXAC-43130WW** - 4" Onyx Retrofit Reflector, 650lm / 10.5W, 3000K / 90 CRI, White Reflector and White Flange

4" Onyx retrofit series is cULus classified for use in existing 4" IC or non-IC housings manufactured by Nora and others. Die-cast aluminum construction provides clean sharp edges and is suitable for use with most 4" recessed housings. Deep regressed optics and round aperture deliver even and glare-free illumination.

ELECTRICAL:

Voltage: 120VAC

Lumens / Wattage: 650lm / 10.5W or 900lm / 14.5W

Color Temperature:

2700K, 3000K, 3500K, 4000K or 5000K

Color Rendering Index: 90+ CRI

Dimming: Triac or ELV

RETROFIT:

Onyx retrofit series includes medium base screw-socket adapter (NRA-21ISM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

MOUNTING: Two steel, spring mounting blades allow for easy and secure mounting in most 4" housings.

CONSTRUCTION: One piece, die-cast aluminum construction dissipates heat and extends life.

ACCESSORIES:

NOX-4EYELIDW - Round eyelid used to convert round reflector or baffle to half moon wall wash trim.

NOX-40R-W - Round oversize ring used to cover ceiling cut-outs up to 6".

LISTING & WARRANTY:

- cULus Classified for Wet Location (NOX-434 is rated for damp location)
- cULus Classified for use with most manufacturers IC and non-IC housings
- ASTM E283 for Air-Tight (with IC Housing)
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty

COMPATIBLE HOUSINGS:

New Construction

NHIC-4LMRAT 4" ICAT Dedicated LED

NHICCP-4LMRAT 4" Chicago Plenum Dedicated LED
Note: NHICCP-4LMRAT not compatible with NOX-434 or 900lm luminaires

NHIC-4LMRAT/277 4" ICAT Dedicated LED, 277V

NFBIC-427LMRATA 4" ICAT Shallow Dedicated Fire Box

Note: NFBIC-427LMRATA is not compatible with NOX-434

NFBIC-4LMRATA 4" ICAT Dedicated LED Fire Box

NHIC-427LMRAT 4" ICAT Shallow Dedicated LED

Note: NHIC-427LMRAT is not compatible with NOX-434

NSIC-401QAT 4" ICAT Line Voltage

NFBIC-4INCATA 4" ICAT Line Voltage Fire Box

NS-401QAT 4" AT Line Voltage

NHIC-4G24AT 4" ICAT GU24¹

Remodel

NHRIC-4LMRAT 4" Remodel ICAT Dedicated LED

NHRIC-427LMRAT 4" Shallow Remodel ICAT Ded. LED

Note: NHRIC-427LMRAT is not compatible with NOX-434

NSRIC-404QAT 4" Remodel ICAT Line Voltage

NSR-404QAT 4" Remodel AT Line Voltage

NHRIC-4G24AT 4" Remodel ICAT GU24¹

¹ Requires NRA-212SM - GU24 adaptor

Reflector Inserts

NOX-4REFLB Black Reflector Insert for NOXAC-431

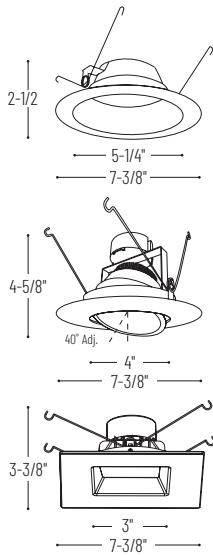
NOX-4REFLD Clear Diffused Reflector Insert for NOXAC-431

NOX-4REFLHZ Haze Reflector Insert for NOXAC-431

Baffle Inserts

NOX-4BAFB Black Baffle Insert for NOXAC-431

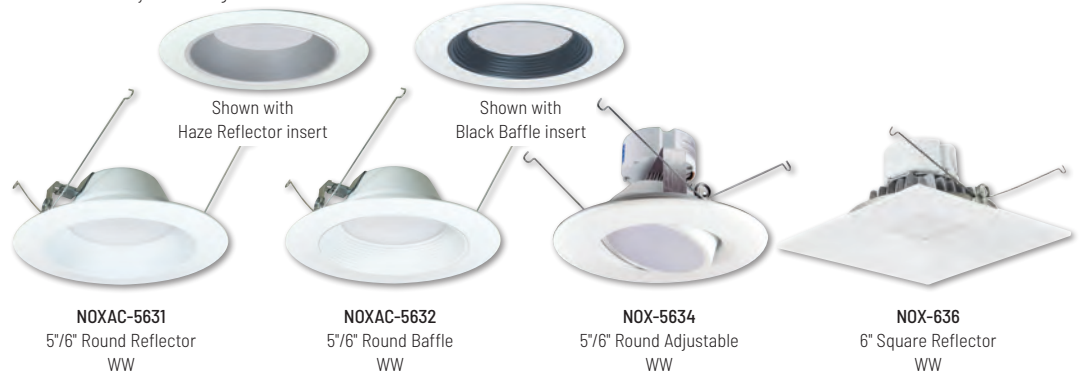
NOX-4BAFW White Baffle Insert for NOXAC-431



included
 Each Onyx retrofit includes a medium base socket for easy retrofitting

RETROFIT ONYX SERIES

750LM OR 1200LM 5"/6" RETROFIT



ONYX SERIES 5/6" RETROFIT

| SERIES / REFLECTOR TYPE | COLOR TEMP / CRI | FINISH | LUMENS / WATTAGE |
|---|--------------------------|-----------------------------------|---|
| NOXAC-5631 5 1/6" Round Reflector | 27 2700K / 90 CRI | WW White with White Flange | (blank) 750lm / 12.5W |
| NOXAC-5632 5 1/6" Round Baffle | 30 3000K / 90 CRI | | |
| Units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting. | 35 3500K / 90 CRI | | |
| | 40 4000K / 90 CRI | | |
| | 50 5000K / 90 CRI | | |
| NOX-5634 5 1/6" Round Adjustable | 27 2700K / 90 CRI | WW White with White Flange | (blank) 750lm / 12W |
| | 30 3000K / 90 CRI | | |
| | 40 4000K / 90 CRI | | |
| NOX-636 6" Square Reflector | 27 2700K / 90 CRI | WW White with White Flange | (blank) 750lm / 12W /12 1200lm / 17.5W |
| | 30 3000K / 90 CRI | | |
| | 40 4000K / 90 CRI | | |

Example: **NOXAC-563130WW** - 5 1/6" Onyx Retrofit Reflector, 750lm / 12.5W, 3000K / 90 CRI, White Reflector and White Flange

5 1/6" Onyx retrofit series is cULus classified for use in existing 5" and 6" IC or non-IC housings manufactured by Nora and others. Die-cast aluminum construction provides clean sharp edges and is suitable for use with most 5" or 6" recessed housings. Deep regressed optics and round aperture deliver even and glare-free illumination.

ELECTRICAL:

Voltage: 120VAC

Lumens / Wattage: 750lm / 12.5W or 1200lm / 17.5W

Color Temperature: 2700K, 3000K, 3500K, 4000K or 5000K

Color Rendering Index: 90+ CRI

Dimming: Triac or ELV

RETROFIT:

Onyx retrofit series includes medium base screw-socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings. GU24 socket adapter is available for use with GU24 housings, must specify NRA-212SM.

MOUNTING: Torsion springs on adjustable holders allow for easy and secure mounting in most 5" and 6" housings (NOX-636 only fits 6" housings).

CONSTRUCTION: One piece, die-cast aluminum construction dissipates heat and extends life.

ACCESSORIES:

NOX-56EYELIDW - Round eyelid used to convert round reflector or baffle to half moon wall wash trim.

NOX-56OR-W - Round oversize ring used to cover ceiling cut-outs up to 8-1/4".

LISTING & WARRANTY:

- cULus Classified for Wet Location (NOX-434 is rated for damp location)
- cULus Classified for use with most manufacturers IC and non-IC housings
- ASTM E283 for Air-Tight (with IC Housing)
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty

COMPATIBLE HOUSINGS:

New Construction

NHIC-5LMRAT 5" ICAT Dedicated LED

NHIC-5LMRAT/277 5" ICAT Dedicated LED, 277V

NFBIC-5LMRATA 5" ICAT Dedicated LED Fire Box

NHIC-527LMRAT 5" Shallow ICAT Dedicated LED

NHIC-5010AT 5" ICAT Line Voltage

NFBIC-5INCATA 5" ICAT Line Voltage Fire Box

NH-5010 5" Line Voltage

NHIC-5270AT 5" Shallow ICAT Line Voltage

NHIC-5624ATFL 5" ICAT GU24 (requires NRA-212SM)

NHIC-6LMRAT 6" ICAT Dedicated LED

NHICCP-6LMRAT 6" Chicago Plenum Dedicated LED

Note: NHICCP-6LMRAT not compatible with NOX-5634 or 1200lm luminaires

NHIC-6LMRAT/277 6" ICAT Dedicated LED, 277V

NFBIC-6LMRATA 6" ICAT Dedicated LED Fire Box

NHIC-27LMRAT 6" Shallow ICAT Dedicated LED

NHIC-170AT 6" ICAT Line Voltage

NHIC-170NBAT 6" ICAT Line Voltage (No Bracket)

NFBIC-6INCATA 6" ICAT Line Voltage Fire Box

NH-260 6" Line Voltage

NH-260NB 6" Line Voltage (No Bracket)

NHIC-6624ATFL 6" ICAT GU24 (requires NRA-212SM)

Remodel

NHRIC-5LMRAT 5" Remodel ICAT Dedicated LED

NHRIC-5040AT 5" Remodel ICAT Line Voltage

NHRIC-5040AT 5" Shallow Remodel ICAT Line Voltage

NHR-5040 5" Remodel Line Voltage

NHRIC-5624ATFL 5" Remodel ICAT GU24 (req. NRA-212SM)

NHRIC-6LMRAT 6" Remodel ICAT Dedicated LED

NHRIC-27LMRAT 6" Shallow Remodel ICAT Dedicated LED

NHRIC-170AT 6" Remodel ICAT Line Voltage

NHRIC-170NBAT 6" Remodel ICAT Line Volt (No Bracket)

NHRIC-270AT 6" Shallow Remodel ICAT Line Voltage

NHR-260 6" Remodel Line Voltage

NHRIC-6624ATFL 6" Remodel ICAT GU24 (req. NRA-212SM)

Reflector Inserts

NOX-56REFLB Black Reflector Insert for NOXAC-5631

NOX-56REFLD Clear Diffused Reflector Insert for NOXAC-5631

NOX-56REFLHZ Haze Reflector Insert for NOXAC-5631

Baffle Inserts

NOX-56BAFB Black Baffle Insert for NOXAC-5631

NOX-56BAFW White Baffle Insert for NOXAC-5631

DEDICATED LED HOUSINGS

4", 5" & 6" NEW CONSTRUCTION



All housings include a quick connect for easy installation



NHIC-4LMRAT
4" ICAT



NHIC-5LMRAT
5" ICAT



NHIC-6LMRAT/277EM
6" ICAT - 277V step down
w/ Emergency for Cobalt



NHIC-427LMRAT
4" Shallow ICAT
(for 4" Onyx only)



NHIC-527LMRAT
5" Shallow ICAT



NHIC-27LMRAT
6" Shallow ICAT

NEW CONSTRUCTION 4", 5" & 6" DEDICATED LED HOUSINGS

| SERIES / APERTURE | OPTIONS FOR COBALT, PRISM, ONYX, MARQUISE AND NIR IOLITE |
|---|---|
| NHIC-4LMRAT 4" IC Air-Tight New Construction Housing | (blank) 120V input |
| NHICCP-4LMRAT 4" Chicago Plenum New Construction Housing | /277 277V input with step down transformer |
| NHIC-427LMRAT 4" Shallow IC Air-Tight New Construction Housing (Onyx only) | OPTIONS FOR COBALT ONLY |
| NHIC-5LMRAT 5" IC Air-Tight New Construction Housing | /EM 120V input with Emergency (requires Cobalt with EM) |
| NHIC-527LMRAT 5" Shallow IC Air-Tight New Construction Housing | /277EM 277V input with step down transformer & Emergency (requires Cobalt with EM) |
| NHIC-6LMRAT 6" IC Air-Tight New Construction Housing | /4W 120/277V input; 120V Triac or 0-10V or 277V 0-10V dimming (requires Cobalt with LE4) |
| NHICCP-6LMRAT 6" Chicago Plenum New Construction Housing | /6WEM 120/277V input; 120V Triac or 0-10V or 277V 0-10V dimming & Emergency (requires Cobalt with LE4EM) |
| NHIC-27LMRAT 6" Shallow IC Air-Tight New Construction Housing | |

Example: **NHIC-6LMRAT/277** - 6" IC Air-Tight New Construction Housing, 277V input with step down transformer

Dedicated new construction housings for use with retrofit downlights. Housings are rated for use in insulated ceilings and can be in direct contact with insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling.

CONSTRUCTION: High quality steel die cut one piece frame. Bar hanger brackets on all four sides provide two possible positions for installations.

INSTALLATION: IC rated for direct contact with thermal insulation. Factory installed gaskets to restrict airflow from room into ceiling plenum in accordance with ASTM-283 Air-Tight requirements. Two 13-3/4" to 24-1/2" adjustable bar hangers with capitive nails are included on frame. "L" shaped bar hanger foot to align to bottom of construction joist. A T-Bar notch allow for easy installation in a suspended ceiling.

- LISTINGS:**
- cULus Listed for Damp location (Wet Location listed with designated reflectors)
 - ASTM E283 for Air-Tight



COMPATIBLE REFLECTORS:

- 4" New Construction Housings**
- NIR-4 Series** 4" Iolite Retrofit Series
- NLPR-4** 4" PRISM Retrofit Series
- NLCBC2-4** 4" Cobalt Retrofit Series
- NOX-4** 4" Onyx Retrofit Series
- Note: NHIC-427LMRAT & NHICCP-4LMRAT is not compatible with NOX-434
- NOXAC-4** 4" AC Onyx Retrofit Series
- NOXTW-4** 4" Onyx Tunable White Retrofit Series

5" New Construction Housings

- NRMC-5 Series** 5" Marquise I Retrofit Series
- NRMC2-5 Series** 5" Marquise II Retrofit Series
- NLPR-56** 5"/6" PRISM Retrofit Series
- NLCBC2-5** 5" Cobalt Retrofit Series
- NOX-56** 5"/6" Onyx Retrofit Series
- NOXAC-56** 5"/6" AC Onyx Retrofit Series
- NOXTW-56** 5"/6" Onyx Tunable White Retrofit Series

6" New Construction Housings

- NRMC-6 Series** 6" Marquise I Retrofit Series
- NRMC2-6 Series** 6" Marquise II Retrofit Series
- NLPR-56** 5"/6" PRISM Retrofit Series
- NLCBC2-6** 6" Cobalt Retrofit Series
- NOX-56** 5"/6" Onyx Retrofit Series
- Note: NHICCP-6LMRAT is not compatible with NOX-5634
- NOXAC-56** 5"/6" AC Onyx Retrofit Series
- NOXTW-56** 5"/6" Onyx Tunable White Retrofit Series
- NOX-6** 6" Onyx Retrofit Series



NFBIC Series
4", 5" & 6" Fire Rated

FIRE RATED 4", 5" & 6" DEDICATED LED HOUSINGS

| SERIES / APERTURE | |
|--|-----------------------------------|
| NFBIC-427LMRATA 4" Shallow IC Air-Tight 2 Hour Fire Rated Housing (Onyx only) | Note: Not compatible with NOX-434 |
| NFBIC-4LMRATA 4" IC Air-Tight 2 Hour Fire Rated Housing | |
| NFBIC-5LMRATA 5" IC Air-Tight 2 Hour Fire Rated Housing | |
| NFBIC-6LMRATA 6" IC Air-Tight 2 Hour Fire Rated Housing | |

DEDICATED LED HOUSINGS

4", 5" & 6" REMODEL



NHRIC-4LMRAT
4" ICAT



NHRIC-5LMRAT
5" ICAT



NHRIC-6LMRAT
6" ICAT



NHRIC-427LMRAT
4" Shallow ICAT



NHRIC-527LMRAT
5" Shallow ICAT



NHRIC-27LMRAT
6" Shallow ICAT

REMODEL 4", 5" & 6" DEDICATED LED HOUSINGS

| SERIES / APERTURE | OPTIONS FOR COBALT, PRISM, ONYX, MARQUISE AND NIR IOLITE |
|---|--|
| NHRIC-4LMRAT 4" IC Air-Tight Remodel Housing | (blank) 120V input |
| NHRIC-427LMRAT 4" Shallow IC Air-Tight Remodel Housing (Onyx only) | /277 277V input with step down transformer |
| NHRIC-5LMRAT 5" IC Air-Tight Remodel Housing | OPTIONS FOR COBALT ONLY |
| NHRIC-527LMRAT 5" Shallow IC Air-Tight Remodel Housing | /4W 120/277V input; 120V Triac or 0-10V or 277V 0-10V dimming (requires Cobalt with LE4) |
| NHRIC-6LMRAT 6" IC Air-Tight Remodel Housing | /6WPEM 120/277V input; 120V Triac or 0-10V or 277V 0-10V dimming & Pre-Wired for Emergency (requires Cobalt with LE4EM) |
| NHRIC-27LMRAT 6" Shallow IC Air-Tight Remodel Housing | /PEM 120V input; 120V Triac dimming & Pre-Wired for Emergency (requires Cobalt with EM) |

Example: **NHRIC-6LMRAT/277** - 6" IC Air-Tight New Construction Housing, 277V input with step down transformer

Dedicated remodel housings for use with retrofit downlights. Housings are rated for use in insulated ceilings and can be in direct contact with insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling.

CONSTRUCTION: High quality aluminum housing with steel springs on sides to hold housing secure against ceiling.



REMOTE EMERGENCY:

NEPK-07LEDUNV Battery & Test Switch
NEPK-07LEDFPTS Test Switch only

Emergency battery backup with remote test switch. 90 minute illumination time.

INSTALLATION: IC rated for direct contact with thermal insulation. Factory installed gaskets to restrict airflow from room into ceiling plenum in accordance with ASTM-283 Air-Tight requirements. Housings include four high tension tempered steel springs to secure remodel housing to ceiling.

LISTINGS:

- cULus Listed for Damp location (Wet Location listed with designated reflectors)
- ASTM E283 for Air-Tight



COMPATIBLE REFLECTORS:

4" Remodel Housings

NIR-4 Series 4" Iolite Retrofit Series
NLPR-4 4" PRISM Retrofit Series
NLCBC2-4 4" Cobalt Retrofit Series
NOX-4 4" Onyx Retrofit Series
Note: NHRIC-427LMRAT is not compatible with NOX-434
NOXAC-4 4" AC Onyx Retrofit Series
NOXTW-4 4" Onyx Tunable White Retrofit Series

5" Remodel Housings

NRMC-5 Series 5" Marquise I Retrofit Series
NRMC2-5 Series 5" Marquise II Retrofit Series
NLPR-56 5"/6" PRISM Retrofit Series
NLCBC2-5 5" Cobalt Retrofit Series
NOX-56 5"/6" Onyx Retrofit Series
NOXAC-56 5"/6" AC Onyx Retrofit Series
NOXTW-56 5"/6" Onyx Tunable White Retrofit Series

6" Remodel Housings

NRMC-6 Series 6" Marquise I Retrofit Series
NRMC2-6 Series 6" Marquise II Retrofit Series
NLPR-56 5"/6" PRISM Retrofit Series
NLCBC2-6 6" Cobalt Retrofit Series
NOX-56 5"/6" Onyx Retrofit Series
NOXAC-56 5"/6" AC Onyx Retrofit Series
NOXTW-56 5"/6" Onyx Tunable White Retrofit Series
NOX-6 6" Onyx Retrofit Series



M1 Series

1" MINIATURE LED DOWN / NICHE / ACCENT LIGHT



M1 Series is a miniature IC rated recessed luminaire designed with quality and convenience for easy installation. **1" LED module produces up to 100 lumens.**

Each LED module **includes four plastic downlight trims, three optics and 6" quick connect.** Series is available in four color temperatures (**2700K, 3000K, 3500K or 4000K**) and requires a 12VDC LED driver.

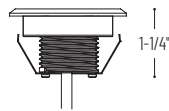
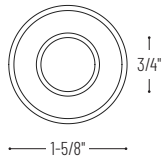
A variety of **round and square trims** are easily installed with the threaded LED module. Trim options include scoop, indicator and stainless in **black, brushed nickel or white finishes.** Field changeable optics can be used to fine tune each installation. Applications include outdoor/indoor, niche, retail and small points of emphasis.





M1 SERIES

100LM 1" LED MINIATURE RECESSED



NM1-170
1" M1 LED Miniature Recessed Series
(includes two black & two white plastic trims)



NM1-RSS
Round Stainless Trim
Requires NM1-170



NM1-SSS
Square Stainless Trim
Requires NM1-170



NM1-RSSD
Indicator Trim
Requires NM1-170



NM1-RAEYELID
Scoop Trim
Requires NM1-170

1" M1 LED MINIATURE RECESSED

| TYPE | COLOR TEMP / CRI | FINISH |
|------------------------------|--|---|
| NM1-170 1" LED Module | 27X 2700K / 90 CRI 30X 3000K / 90 CRI 35X 3500K / 90 CRI 40X 4000K / 90 CRI | 2PBW (2) Black & (2) White Plastic Trims |

Example: **NM1-17030X2PBW / NM1-DVR12**- 1" M1 LED Module and (4) Plastic Trims / 12VDC 12W Non-Dimmable Hardwire Driver

M1 miniature recessed series features quality and convenience with easy installation for indoor applications. Luminaires include four plastic downlight trims, four optics and 6" quick connect. Series is available in four color temperatures (2700K, 3000K, 3500K or 4000K) and requires a 12V DC driver.

ELECTRICAL:

Input Voltage: 12V DC (requires driver, sold separately)

Lumens / Wattage: 100lm / 2W

Color Temperature: 2700K, 3000K, 3500K, 4000K or 5000K

Beam Spread: 15° Spot, 45° Narrow Flood (installed), 60° Flood (frosted) and 60° Flood (clear)

Color Rendering Index: 90+ CRI

Max. Run Length: Total combined runs cannot exceed 80'

Dimming: Triac / ELV

CONSTRUCTION: Threaded LED module allows for field changeable optics and trims.

LENS: LED module includes four plastic trims available in black and white finishes. Open downlight includes four optics for desired beam spread and output.

INSTALLATION: No housing is required, two tensions steel spring clips secure luminaire to surface.

LISTING & WARRANTY:

- cETLus Listed for Wet Locations, cabinet and type IC (NM1-170)
- cETLus Listed for Damp Locations, under-cabinet and/or type IC (LED drivers - consult spec sheet)
- ENERGY STAR certified
- 5-Year Limited Warranty
- FCC compliant
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements



NM1-F



NM1-DVR12



NAPKED-50x0HW



NM1-TM6



NM1-WH6



NM1-EXT

Optional Accessories

| | |
|-----------------------------|--------------------------------------|
| NM1-RSS(finish) | Round Stainless Steel Trim |
| NM1-SSS(finish) | Square Stainless Steel Trim |
| NM1-RSSD(finish) | Round Stainless Steel Indicator Trim |
| NM1-RAEYELID(finish) | Round Scoop Trim |
| NM1-F | New Construction Frame-In |

Finish: B Black; BN Brushed Nickel; W White

NM1-DVR12 12VDC 12W Non-Dimmable Hardwire Driver

NAPKED-5040HW 12VDC 35W Dimmable Hardwire Driver

NAPKED-5060HW 12VDC 60W Dimmable Hardwire Driver

NM1-TM6 Splitter Cable (1 input - 6 output)

NM1-WH6 Wire Harness System (1 input - 6 output)

NM1-EXT(length) 6" to 240" Extension Cable

Length: 6 6"; 12 12"; 18 18"; 48 48"; 72 72"; 240 240"





M2 Series

2" LED DOWNLIGHTING · NO HOUSING REQUIRED



M2 Series features 2" IC Air-Tight rated recessed luminaires that require no housing. The modular system allows trims to be customized to the designer's needs with field adjustable **baffles, reflectors and round or square trims**.

Each luminaire includes a **pre-wired junction box** with quick connects for easy installation. Fixtures can be installed without a housing, a **new construction frame-in is available** if needed.

M2 Series can be converted into a **Multiple Lighting System** with MLS accessory plates. Round M2 luminaires simply snap into the MLS plates and are ready to installed. **Each luminaire can be address individually** and customized to each desired appearance.

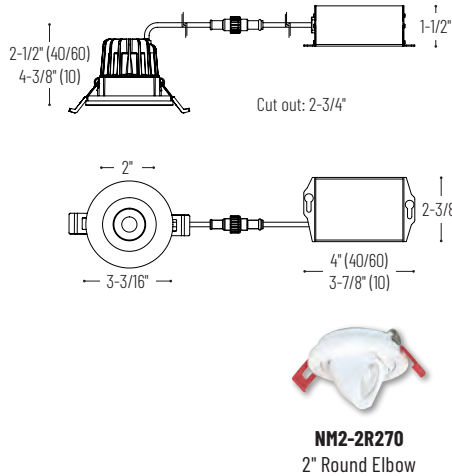
M2 reflectors produce up to **1000 lumens with 2700K or 3000K @ 90+ CRI**. A variety of trim options include **shower, elbow, gimbal, square aperture, pinhole and wall wash**.





M2 SERIES

400LM TO 1000LM 2" LED MINI RECESSED DOWNLIGHT



2" M2 LED MINI RECESSED DOWNLIGHT

| TYPE | LUMENS / WATTAGE | COLOR TEMP / CRI | FINISH |
|---|------------------------|--------------------------|-------------------------------|
| NM2-2RG 2" Round Gimbal ¹ | 40 400lm / 6W | 27 2700K / 90 CRI | BB Matte Black |
| NM2-2RDC 2" Round Downlight | 60 600lm / 8W | 30 3000K / 90 CRI | MPW Matte Powder White |
| NM2-2RDCS 2" Round Shower (Wet) ² | 10 1000lm / 15W | | |
| NM2-2R270 2" Round Elbow ² | | | |
| NM2-2SDC 2" Square Downlight ³ | | | |
| NM2-2SB 2" Square Baffle ³ | | | |

Example: **NM2-2RDC6030MPW**- Mini 2" Downlight, 600lm / 8W, 3000K / 90 CRI, Matte Powder White

¹ Available in 400lm & 600lm only ² Elbow is available in 400lm only ³ Square trims are available in 600lm & 1000lm only

M2 recessed downlights do not require any housings, which makes installation easy. Simply cut the ceiling, wire the junction box and insert the luminaire in the ceiling cavity. IC rated luminaires are available in downlight or adjustable gimbal trims and matte powder white or black finish. A multiple lighting system can be created with the optional 2-head or 3-head regressed trim. Delivering up to 1000 lumens in 2700K or 3000K at 90+ CRI.

ELECTRICAL:

Input Voltage: 120V
Lumens / Wattage: 400lm / 6W, 600lm / 8W or 1000lm / 15W
Color Rendering Index: 90+ CRI
Color Temperature: 2700K or 3000K
Beam Spread: 38° Flood
Dimming: Triac or ELV

CONSTRUCTION:

Die-cast aluminum trims available in matte black or matte powder white finish. Gimbal trim is adjustable up to 15°. Open downlight includes a reflector with the same finish as trim, optional reflectors and baffle are available and field changeable for round trim.

INSTALLATION: Pre-wired junction box includes quick connect to LED fixtures for ease of installation. No housing required. New construction frame-in plate is available.



Optional Accessories

| | |
|--------------------------|-----------------------------------|
| NM2-2REFL(finish) | Reflector Insert for NM2-2RDC |
| NM2-2BAF(finish) | Baffle Insert for NM2-2RDC |
| NM2-2SDT(finish) | Square Trim for NM2-2RDC |
| NM2-2SGT(finish) | Square Trim for NM2-2RG |
| NM2-2SET(finish) | Square Trim for NM2-2R270 |
| NM2-2RPH(finish) | Round Pinhole Trim for NM2-2RDC |
| NM2-2RW(finish) | Round Wall Wash Trim for NM2-2RDC |

Finish: B Matte Black; HZ Haze (NM2-2REFL only);
MPW Matte Powder White

| | |
|-------------------------|-----------------------------------|
| NM2-2R-F | New Construction Frame-In Plate |
| NM2-EW-4 | 4' Quick Connect Extension Cable |
| NM2-EW-10 | 10' Quick Connect Extension Cable |
| NM2-MLS1(finish) | MLS Plate for (1) M2 luminaire |
| NM2-MLS2(finish) | MLS Plate for (2) M2 luminaires |
| NM2-MLS3(finish) | MLS Plate for (3) M2 luminaires |

Finish: B Matte Black; MPW Matte Powder White

LISTING & WARRANTY:

- cETLus Listed for Damp Locations (NM2-2RDCS is wet location rated)
- ENERGY STAR certified
- 5-Year Limited Warranty
- Meets or exceeds ASTM-283 Air-Tight Requirements
- FCC compliant
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements





FLIN Series

LOW PROFILE REGRESSED LED DOWNLIGHTING · NO HOUSING REQUIRED



FLIN Series features a thin regressed recessed light that can be installed in ceiling plenums measuring as little as 2 inches. Luminaires use universal coiled flippers that hold the fixture firmly in place in various ceiling thicknesses.

Each luminaire includes a **pre-wired junction box** with quick connects for easy installation. Fixtures can be installed without a housing, a **new construction frame-in is available** if needed.

FLIN High Lumen Series can produce up to **2350 lumens** and is available in **4", 6" and 8" round or square apertures**. Color temperatures include **2700K, 3000K, 3500K, 4000K or 5000K**.

E-Series FLIN features **Tunable White** LED technology that allows color temperature to be changed from **2700K to 3000K or 3500K**. E-Series can produce up to **800 lumens in 4" or 6" round apertures**.



FLIN HIGH LUMEN SERIES COMMERCIAL AND RESIDENTIAL

4", 6", 8" THIN RECESSED 720LM TO 2200LM



NFLIN-R407 / NFLIN-S407
4" Round / 4" Square

NFLIN-R610 / NFLIN-S610
6" Round / 6" Square

NFLIN-R815 / NFLIN-S815
8" Round / 8" Square

NFLIN-R822 / NFLIN-S822
8" Round / 8" Square High Lumen

FLIN HIGH LUMEN SERIES 4", 6", 8" THIN RECESSED

| SIZE / LUMENS / WATTAGE / THICKNESS | COLOR TEMP | FINISH | VOLTAGE |
|---|--|-----------------------------------|--|
| NFLIN-R407 4" Round / 740lm / 12W / 0.65" thick NFLIN-S407 4" Square / 720lm / 12W / 0.65" thick | 27 2700K 30 3000K | WW White with White Flange | LE3 120V input; Triac / ELV dimming |
| NFLIN-R610 6" Round / 1150lm / 16W / 0.65" thick NFLIN-S610 6" Square / 1050lm / 16W / 0.65" thick | 40 4000K 50 5000K | | |
| NFLIN-R815 8" Round / 1550lm / 20W / 0.65" thick NFLIN-S815 8" Square / 1330lm / 20W / 0.65" thick | 30 3000K 35 3500K 40 4000K 50 5000K | | |
| NFLIN-R822 8" Round / 2350lm / 33W / 1.65" thick NFLIN-S822 8" Square / 2200lm / 33W / 1.65" thick | 30 3000K 35 3500K 40 4000K 50 5000K | | |

Example: **NFLIN-R61030WWLE3** - Round 6" / 1150lm / 16W, 3000K, White Baffle and Flange, 120V input; Triac / ELV dimming

Thin, regressed LED recessed luminaire designed for easy installation in new construction or remodel applications. FLIN includes a quick connect that allows the junction box to easily disconnect and mount in the ceiling. Junction box measures under 2" for shallow plenum ceilings where access above the ceiling is limited. The regressed lens with sharp baffle cuts reduces aperture brightness.

ELECTRICAL:

Voltage: 120V or 120/277V

Lumens / Wattage:

R407 - 740lm / 12W; **S407** - 720lm / 12W;

R610 - 1150lm / 16W; **S610** - 1050lm / 16W;

R815 - 1550lm / 20W; **R815** - 1330lm / 20W;

R822 - 2350lm / 33W; **S822** - 2200lm / 33W

Color Temperature: 2700K, 3000K, 3500K, 4000K

Color Rendering Index: 90+ CRI

Dimming: Triac / ELV

CONSTRUCTION: Thin construction measures 0.65" in height (8" LE4 measures 1.65" thick).

LENS: Regressed lens with sharp baffle cuts reduces aperture brightness.

JUNCTION BOX: Prewired junction box includes quick connect to LED fixture for ease of installation. Junction box includes quick connect from fixture. Connectors total length is 22".

MOUNTING: No housing is required, two universal coiled flippers secure luminaire to ceiling. New construction frame-in kits are available, see accessories.

MINIMUM CLEARANCES:

IC Air-Tight rated for direct contact with thermal insulation; no minimum clearance is required

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- FCC Compliant
- 5 Year Limited Warranty



Optional Accessories

NFLIN-4R-F New Construction Frame-In for 4" Round

NFLIN-4S-F New Construction Frame-In for 4" Square

NFLIN-6R-F New Construction Frame-In for 6" Round

NFLIN-6S-F New Construction Frame-In for 6" Square



NFLIN-8R-F New Construction Frame-In for 8" Round

NFLIN-8S-F New Construction Frame-In for 8" Square

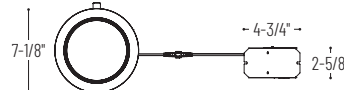
NFLIN-EW-4 4' Quick Connect Extension Cable

NFLIN-EW-20 20' Quick Connect Extension Cable

COMMERCIAL AND RESIDENTIAL E-SERIES FLIN 600LM TO 800LM 4" & 6" TUNABLE WHITE RECESSED



NEFLINTW-R460
4" Round



NEFLINTW-R680
6" Round

E-SERIES FLIN 4" & 6" THIN RECESSED

| SIZE / LUMENS / WATTAGE / THICKNESS | COLOR TEMP | FINISH |
|---|--|-------------------------------|
| NEFLINTW-R460 4" Round / 600lm / 10.5W | 233 Tunable 2700K, 3000K, 3500K | MPW Matte Powder White |
| NEFLINTW-R680 6" Round / 800lm / 13.5W | | |

Example: **NEFLINTW-R680233MPW** - 6" Round E-Series FLIN Tunable White, 800lm / 14W, 3000K, Matte Powder White finish

The E-Series FLIN is a thin recessed LED designed for easy installation in new construction or remodel applications. Tunable white luminaires include an integral tunable CCT switch located on the junction box of each luminaire with a quick connect that allows for easy disconnect and mounting in the ceiling. The regressed lens with sharp baffle cuts reduces aperture brightness.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage:

R460 - 600lm / 10.5W; **R680** - 800lm / 13.5W

Color Temperature: Tunable 2700K, 3000K and 3500K

Color Rendering Index: 90+ CRI

Dimming: Triac / ELV

CONSTRUCTION: Die-cast aluminum luminaire with spring clips for easy installation. Gasket included for airtight and wet location listing without additional caulking.

LENS: Regressed lens with sharp baffle cuts reduces aperture brightness.

JUNCTION BOX: Prewired junction box includes quick connect to LED fixture for ease of installation. Junction box includes quick connect from fixture. Connectors total length is 17.5".

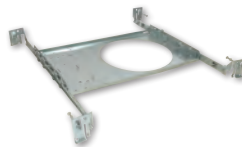
MOUNTING: No housing is required, two universal coiled flippers secure luminaire to ceiling. New construction frame-in kits are available, see accessories.

MINIMUM CLEARANCES:

IC Air-Tight rated for direct contact with thermal insulation; no minimum clearance is required

LISTING & WARRANTY:

- cETLus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- FCC Compliant
- 5 Year Limited Warranty



Optional Accessories

NEFLINTW-4R-F New Construction Frame-In for 4" Round

NEFLINTW-6R-F New Construction Frame-In for 6" Round



NEFLINTW-EW-4 4' Quick Connect Extension Cable

NEFLINTW-EW-20 20' Quick Connect Extension Cable



Surface Mount

SURF LED SERIES · CAMO TUNABLE WHITE LED SERIES · OPAL LED SERIES



Surface Mount Lighting sits on top of a flat surface, similar to recessed lighting but protrudes away from the surface. Often referred to as ceiling mounts, Surface Mounts can be installed on junction boxes with square or round luminaires.

SURF LED Series is a superior solution for minimalist surface mounted lighting. The unique **light guide and embedded honeycomb lens** provides comfortable glare free lighting not found in other surface mounts. Available in **round and square** with sharp corners and regressed baffle, the SURF provides an architectural look for general lighting applications.

CAMO LED Series is a thin 1/2" surface mount luminaire with **Tunable White** LED technology that allows color temperature to be changed in the field. Designed to **surface mount or retrofit** into existing recessed housings.

Opal LED Series is a low profile AC luminaire suitable for closets and wet locations. **PIR Motion Sensor** will automatically turn on the luminaire when motion is detected. **Title 24 compliant** luminaires can be used to meet Title 24 requirements. Designed to **surface mount or retrofit** into existing recessed housings.



SURF Series

LED SURFACE MOUNT



FEATURES

- Thin 11/16" finished profile
- Glare-free light guide and honeycomb lens
- 650 to 1000 lumens
- 4", 6" and 7" apertures
- Square and Round luminaires
- 2700K, 3000K, 3500K, 4000K or 5000K at 90+ CRI
- Regressed polycarbonate baffle
- Dimmable with Triac or ELV dimmers
- DC (driver) performance
- ENERGY STAR certified
- cULus Listed for Wet location
- Mounts directly to junction box



SURF SERIES

650LM TO 1000LM 4", 6", 7" SURFACE MOUNT



NLOS-R42
4" Round



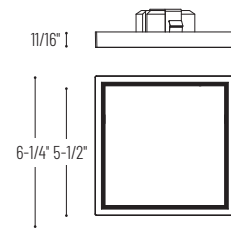
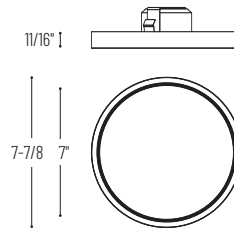
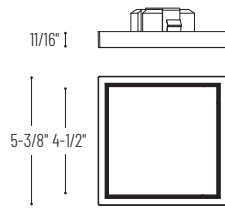
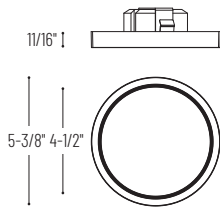
NLOS-S42
4" Square



NLOS-R72
7" Round



NLOS-S62
6" Square



SURF SERIES SURFACE MOUNT

| TYPE | APERTURE / LUMENS / WATTAGE | COLOR TEMP | FINISH |
|----------------------|------------------------------|-----------------|-----------------|
| NLOS-R Round | 42L 4" / 650lm / 11W | 27 2700K | WW White |
| | 72L 7" / 1000lm / 14W | 30 3000K | |
| NLOS-S Square | 42L 4" / 650lm / 11W | 35 3500K | |
| | 62L 6" / 900lm / 14W | 40 4000K | |
| | | 50 5000K | |

Example: **NLOS-R42L27WW** - 4" Surf, Round Surface Mount, 650lm / 11W, 3000K, White

The SURF Series is a 11/16" thick fixture with DC driver mounted on the back. Luminaire is surface mounted, but with the appearance of a recessed downlight. The specially designed regressed light guide with embedded honeycomb lens produces even illumination while reducing glare. Series is available in square and round in 4", 6" or 7". SURF mounts easily over a standard or fire rated junction boxes.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage:

R42L: 650lm / 11W **S42L:** 650lm / 11W

R72L: 1000lm / 14W **S62L:** 900lm / 14W

Color Temperature:

2700K, 3000K, 3500K, 4000K or 5000K

Color Rendering Index: 90+ CRI

Dimming: Triac / ELV

CONSTRUCTION: Surface mounted LED edge-lit downlight adopts compact slim and elegant design. The special diffuser can increase central candela intensity by more than 30%, provide soft and comfortable light. 11/16" deep polycarbonate regressed baffle trim.

LENS: Nora specified and designed edge-lit regressed light guide with embedded honeycomb lens greatly reduces aperture brightness while evenly distributing light.

INSTALLATION: Aluminum backplate attaches to junction box bracket (included) for seamless flush appearance.

LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR® certified
- 5-Year Limited Warranty
- FCC compliant
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)



CAMO Series

TUNABLE WHITE LED SURFACE OR RECESSED MOUNT



FEATURES

- Thin 1/2" finished profile
- Selectable CCT - 3000K, 4000K or 5000K at 90+ CRI
- 700 to 1700 lumens
- 6", 8" or 11" round apertures
- Dimmable with Triac or ELV dimmers
- Surface mounted or retrofit into existing recessed housings with torsion spring kit (ordered separately)
- DC (driver) performance
- Integral magnet allows finish ring to attach seamlessly
- Metal rings offered in black, brushed nickel, chrome or matte powder white
- 5-year limited warranty
- ENERGY STAR certified



CAMO SERIES

700LM TO 1700LM 6", 8", 11" TUNABLE WHITE SURFACE MOUNT



CAMO SERIES TUNABLE WHITE SURFACE MOUNT

| SIZE / LUMENS / WATTAGE | COLOR TEMP / CRI | FINISH |
|--|--|----------------|
| NLOCAC-6R 6" Round / 700lm / 12W | 345 Tunable 3000K, 4000K, 5000K | W White |
| NLOCAC-8R 8" Round / 1100lm / 18W | | |
| NLOCAC-11R 11" Round / 1700lm / 24W | | |

Example: **NLOCAC-6R345W** - 6" CAMO Tunable White LED Surface Mount Luminaire, White finish

The CAMO Series is a thin 1/2" surface mounted luminaire with an integral tunable CCT switch. Luminaire is surface mounted and available in 6", 8" or 11". CAMO mounts easily over a standard or fire rated junction boxes and offers black, brushed nickel, chrome or matte powder white decorative rings.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage:

6": 700lm / 12W; **8":** 1100lm / 18W; **11":** 1700lm / 24W

Color Temperature:

Tunable 3000K, 4000K and 5000K

Color Rendering Index: 90+ CRI

Dimming: Triac / ELV

CONSTRUCTION: Surface mounted LED luminaire includes an integral driver and magnet for decorative rings. Optional metal rings are available in black, brushed nickel, chrome or matte powder white (ordered separately).

TUNABLE WHITE: Each luminaire includes a color temperature switch on the back of the fixture. Toggle the switch to change the temperature from 3000K to 4000K or 5000K.

INSTALLATION: Aluminum bracket can be used to surface mount on junction box. Optional torsion springs are available for retrofitting 5" or 6" recessed housings, specify **NLOCAC-68TIRECKIT**.

LISTING & WARRANTY:

- cETLus Listed for Damp Location
- ENERGY STAR® certified
- 5-Year Limited Warranty
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)



Optional Accessories

| | |
|---------------------------|---------------------|
| NLOCAC-6R(finish) | 6" Decorative Ring |
| NLOCAC-8R(finish) | 8" Decorative Ring |
| NLOCAC-11R(finish) | 11" Decorative Ring |

Finish: B Black; BN Brushed Nickel; CH Chrome; MPW Matte Powder White



NLOCAC-68TIRECKIT

Torsion Spring Kit

Opal Series

LED SURFACE OR RECESSED MOUNT

Simple Installation

Opal installs over a junction box or recessed housing

IC Rated and Fire Rated

when used with a 4" electrical junction box rated for direct contact with insulation. Fire rated when used with a fire rated junction box.

LEDs

2700K, 3000K, 3500K, 4000K, 5000K
90+ CRI
10.5W to 32W LED
650lm to 2000lm output

Die-Formed

Aluminum body dissipates heat and extends life

Nora specified and designed for optimal lumen output and even distribution

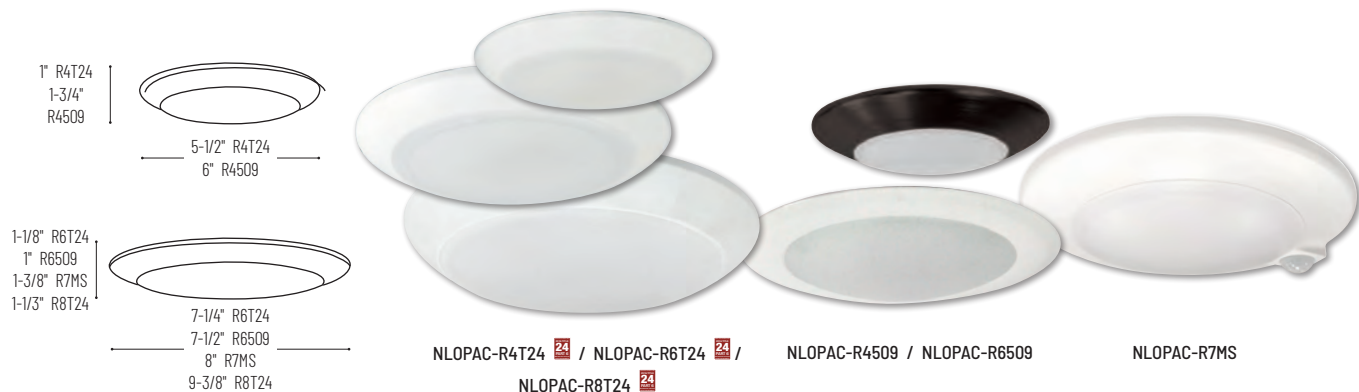
FEATURES

- Slim profile
- 650 to 2000 lumens
- 4", 6" and 8" round apertures
- 2700K, 3000K, 4000K or 5000K at 90+ CRI
- Surface mounted or retrofit into existing recessed housings with torsion spring kit (ordered separately)
- White, bronze or natural metal finishes
- AC LED (No Driver)
- Dimmable with Triac or ELV dimmers (PIR Motion Sensor is non-dimmable)
- Optional PIR Motion Sensor will automatically turn on/off when motion is detected
- ENERGY STAR certified
- cULus Listed for Wet location
- Suitable for use in closets



RETROFIT AND DEDICATED AC OPAL SERIES

650LM TO 2000LM SURFACE MOUNT



AC OPAL SERIES 4", 6", 8" SURFACE MOUNT

| SERIES / LUMENS / WATTAGE | COLOR TEMP | FINISH |
|--|---|---|
| NLOPAC-R4509 4" / 650lm / 10.5W NLOPAC-R6509 6" / 1050lm / 15W | 27A 2700K 30A 3000K 40A 4000K 50A 5000K ¹ | BZ Bronze NM Natural Metal W White |
| ²⁴ NLOPAC-R4T24² 4" / 850lm / 13W ²⁴ NLOPAC-R6T24² 6" / 1050lm / 16W ²⁴ NLOPAC-R8T24² 8" / 2000lm / 30W | 27 2700K 30 3000K 40 4000K 50 5000K ³ | |
| NLOPAC-R7MS⁴ 7" / 1000lm / 15W / PIR Motion Sensor | 30 3000K 40 4000K | W White |

Example: **NLOPAC-R650930AW** - 6" AC Opal Surface Mount, 1050lm / 15W, 3000K, White Finish

¹ Available in White finish only

² Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements

³ Available in 8" only

⁴ cETLus Listed for Dry Locations and Non-Dimmable

The AC Opal LED Series LED fixture is designed to surface mount over a standard junction box. The low profile dimmable luminaire produces even illumination and is cULus listed for wet locations. T24 series can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements.

ELECTRICAL:

Voltage: 120VAC

Lumens / Wattage:

R4509: 650lm / 10.5W, **R4T24:** 850lm / 13W

R6509: 1050lm / 15W, **R6T24:** 1050lm / 16W

R7MS: 1000lm / 15W; **R8T24:** 2000lm / 32W

Color Temperature: 2700K, 3000K, 4000K or 5000K (8" or 509 series only)

Color Rendering Index: 90+ CRI

Dimming: Triac / ELV (PIR is Non-Dimmable)

CONSTRUCTION: One piece aluminum die formed housing and trim. Aluminum body dissipates heat and extends life.

MOUNTING: AC Opal (no driver) is flat on the back and suitable for installation on most 3" or 4" octagon boxes or 4/0 plaster ring.

LENS: Nora specified and designed precision molded lens for optimal lumen output and even distribution.

ACCESSORIES:

NLOPAC-56RECKIT: 6", 7" & 8" Opal can be mounted on 5" or 6" recessed housing using optional torsion spring kit. **NLOPAC-4BKT-2:** Universal bracket for mounting 4" & 6" Opal to 3" or 4" junction boxes. **Universal bracket is included with R4509 series.**

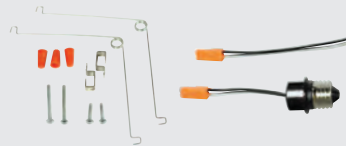
RATINGS:

IC rated when used with a 4" electrical junction box rated for direct contact with insulation. Fire rated when used with a fire rated junction box.

LISTING & WARRANTY:

- cULus Listed for Wet Location (indoor covered ceiling)
- RoHS compliant
- T24 Series can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ENERGY STAR certified
- 5-Year Limited Warranty
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)

OPTIONAL ACCESSORIES FOR AC OPAL FIXTURE:



NLOPAC-56RECKIT

TORSION SPRING AND BRACKET KIT

For easy retrofitting with 5" or 6" recessed housing.

NLOPAC-4BKT-2

UNIVERSAL BRACKET

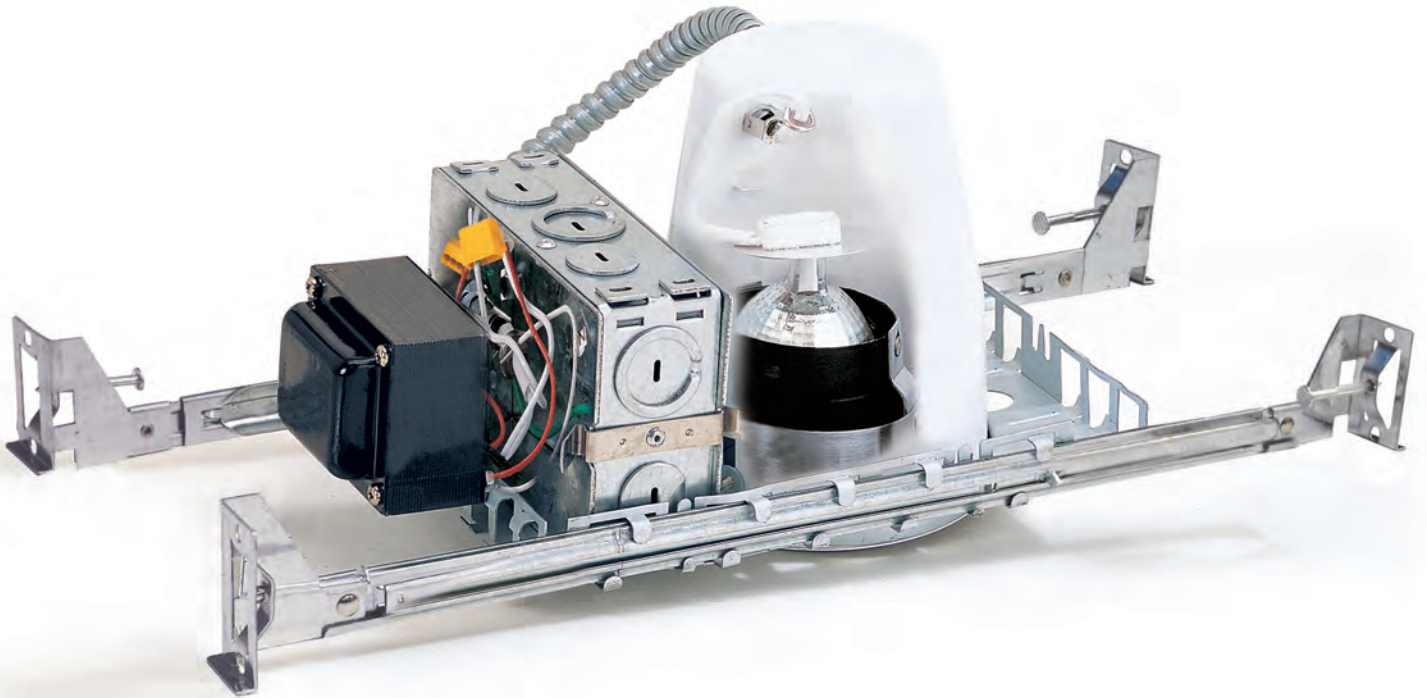
For mounting 4" and 6" Opal to 3" or 4" junction boxes. Universal bracket is included with R4509 series.





Low Voltage

3", 4" OR 6" APERTURES



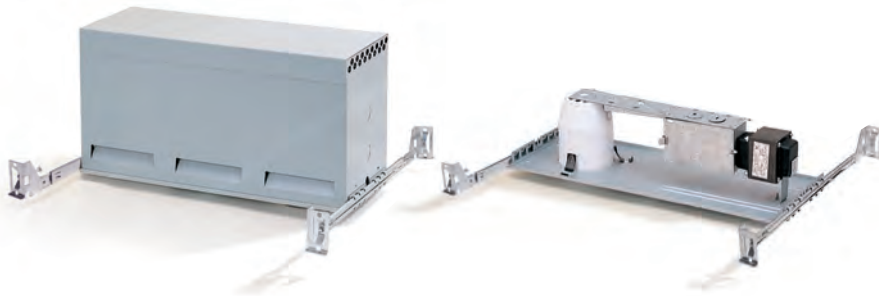
Nora's **Low Voltage** family of recessed downlighting features a variety of **3", 4" and 6"** trims for new construction, remodel and retrofit applications.

Low Voltage Housings with a **V** **Versa** logo represents an electronic transformer rated for low voltage **Halogen and LED lamps**. Versa housings are available in 3", 4" and 6" new construction and remodel housings.

Q4 Series features a **4" Square Low Voltage** line of housings and trims. Dedicated Air-Tight Housings feature a square ceiling collar with wet location, pinhole and open trims.

Nora can **factory label housings with a reduced wattage** to meet watts per square foot requirements. Whether LED or Halogen, Nora offers a Low Voltage solution for your project.

LOW VOLTAGE COMMERCIAL AND RESIDENTIAL TRUE 3" HOUSINGS LED COMPATIBLE



TRUE 3" IC Air-Tight Low Voltage New Construction Housings

| | |
|---|------------------------|
| NLIC-301AT/1EL* V AT | 3W-50W 120V Electronic |
| NLIC-301QAT/20 AT | 20W 120V Magnetic |
| NLIC-301QAT/37 AT | 37W 120V Magnetic |
| NLIC-301QAT AT | 50W 120V Magnetic |

Width: 6-3/8" Length: 16-1/4" Height: 8-1/8"

TRUE 3" Air-Tight Low Voltage New Construction Housings

| | |
|---|------------------------|
| NL-301AT/1EL* V AT | 3W-50W 120V Electronic |
| NL-301QAT/20 AT | 20W 120V Magnetic |
| NL-301QAT/37 AT | 37W 120V Magnetic |
| NL-301QAT AT | 50W 120V Magnetic |

Width: 6-3/8" Length: 16-1/4" Height: 4-1/2"



TRUE 3" Air-Tight Low Voltage Remodel Housings

| | |
|--------------------------------|------------------------|
| NLR-304AT/1EL* V | 3W-50W 120V Electronic |
| NLR-304QAT/20 AT | 20W 120V Magnetic |
| NLR-304QAT/37 AT | 37W 120V Magnetic |
| NLR-304QAT AT | 50W 120V Magnetic |

Width: 3-2/5" Length: 11" Height: 4-5/8"

*Available in wattage reduced 20W (/20) and 37W (/37)



TRUE 3" Air-Tight Low Voltage Remodel Housings for Remote Transformer

| | |
|-------------------------------|---------|
| NLR-305AT/20 AT | 20W max |
| NLR-305AT/37 AT | 37W max |
| NLR-305AT AT | 50W max |

Diameter: 3-7/16" Height: 4-3/4"

Requires Class II remote transformer,
see pages 292-294

V Versa housings include electronic transformers rated for Halogen or LED lamps from 3W to 50W

Nora Lighting's 3" Low Voltage housings are a true three inches! Reduced wattage housings are useful in meeting watts per square foot requirements. Housings are available with magnetic or electronic transformers.

ELECTRICAL:

Input Voltage: 120V

Output Voltage: 12V

Socket: GU5.3 Bi-Pin with Heat Shield

Wattage: 3W-50W

Lamp: MR16 (not included)

Dimming: MLV (with magnetic transformer)
or ELV (with electronic transformer)

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Four high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceed ASTM E283



COMMERCIAL AND RESIDENTIAL **LOW VOLTAGE**
LED COMPATIBLE **TRUE 3" TRIMS**



Square w/ Round Baffle 35°
NL-3410 50W MR16
NL-3433 w/Lens
BB, BW, BZBZ, NN, WW



Square w/ Round Reflector 35°
NL-3412 50W MR16
NL-3413 w/Lens
BB, BW, BZBZ, CW, NN, WW



Square Pinhole 35°
NL-3420 50W MR16
NL-3423 w/Lens
BB, BW, BZBZ, NN, WW



Adjustable Baffle 35°
NL-3310 50W MR16
BB, BW, BZBZ, COCO, NN,
WC, WG, WW



Adjustable Reflector 35°
NL-3312 50W MR16
BB, BC, BW, CC, CW, COCO, HZW,
NN, WW



Metal Trim w/ 1" Pinhole 35°
NL-3320 50W MR16
C, N, W



Adjustable Slot Aperture 35°
NL-3345 50W MR16
BZ, C, CO, G, N, W



Adjustable Gimbal Ring 35°
NL-3365 50W MR16
B, BZ, CO, G, W



Front Load Gimbal 35°
NL-3366 50W MR16
B, G, W



Eyeball w/ Baffle 10°
NL-3318 50W MR16
BZ, C, CO, G, N, W



Wall Wash w/ Baffle
NL-3348 50W MR16
BB, BW, WW



Frosted Dome Lens
NL-3325 50W MR16
BZ, CO, N, W

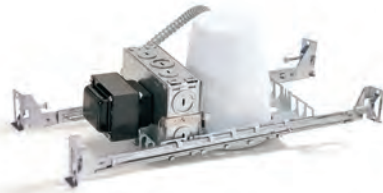


Frosted Flat Lens
NL-3326 50W MR16
BZ, G, W

Wet Listed

LOW VOLTAGE COMMERCIAL AND RESIDENTIAL

4" HOUSINGS LED COMPATIBLE



4" IC Air-Tight Low Voltage Housings

| | |
|---|------------------------|
| NLIC-401AT/1EL* V AT | 3W-50W 120V Electronic |
| NLIC-401AT/2EL* AT | 50W 277V Electronic |
| NLIC-401QSAT/20 AT | 20W 120V Magnetic |
| NLIC-401QSAT/37 AT | 37W 120V Magnetic |
| NLIC-401QSAT AT | 50W 120V Magnetic |
| NLIC-401AT/277V AT | 50W 277V Magnetic |

Width: 7-5/8" (120V) 10-3/4" (277V)

Length: 12-1/8" (120V) 17-3/4" (277V) Height: 7-15/16"



4" Air-Tight Low Voltage Remodel Housings for Remote Transformer

| | |
|-------------------------------|----------|
| NLR-405AT/20 AT | 20W max. |
| NLR-405AT/37 AT | 37W max. |
| NLR-405AT AT | 50W max. |

Diameter: 3-7/16" Height: 4-3/4"

Requires Class II remote transformer, see pages 292-294

4" Low Voltage New Construction Housings

| | |
|---|------------------------|
| NL-401AT/1EL* V AT | 3W-50W 120V Electronic |
| NL-401AT/2EL* AT | 50W 277V Electronic |
| NL-401/75/1EL | 75W 120V Electronic |
| NL-401/75/2EL | 75W 277V Electronic |
| NL-401QAT/20 AT | 20W 120V Magnetic |
| NL-401QAT/37 AT | 37W 120V Magnetic |
| NL-401QAT AT | 50W 120V Magnetic |
| NL-401/50/277V AT | 50W 277V Magnetic |
| NL-401/75 | 75W 120V Magnetic |
| NL-401/75/277V | 75W 277V Magnetic |

Width: 6" (50W) 7" (75W) Length: 9" (50W) 11-1/2" (75W)

Height: 5-1/2" (50W) 6-3/8" (75W)

4" Low Voltage Remodel Housings

| | |
|--|---------------------|
| NLR-404AT/1EL* V AT | 3W-50W 120V Elect. |
| NLR-404AT/2EL* AT | 50W 277V Electronic |
| NLR-404/75/1EL | 75W 120V Electronic |
| NLR-404/75/2EL | 75W 277V Electronic |
| NLR-404QAT/20 AT | 20W 120V Magnetic |
| NLR-404QAT/37 AT | 37W 120V Magnetic |
| NLR-404QAT AT | 50W 120V Magnetic |
| NLR-404/50/277V AT | 50W 277V Magnetic |
| NLR-404/75 | 75W 120V Magnetic |
| NLR-404/75/277V | 75W 277V Magnetic |

Width: 4-7/8" Length: 14-1/2"

Height: 5-5/8" (50W) 6-3/8" (75W)

V Versa housings include electronic transformers rated for Halogen or LED lamps from 3W to 50W

4" Low voltage housings provide crisp, defined MR16 halogen illumination for any application. Reduced wattage housings are useful in meeting watts per square foot requirements. Housings are available with magnetic or electronic transformers. A wide variety of attractive adjustable trims allow for fine-tuned aiming of directional light sources.

ELECTRICAL:

Input Voltage: 120V or 277V, must specify

Output Voltage: 12V

Socket: GU5.3 Bi-Pin with Heat Shield

Wattage: 3W-75W

Lamp: MR16 (not included)

Dimming: MLV (with magnetic transformer) or ELV (with electronic transformer)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:

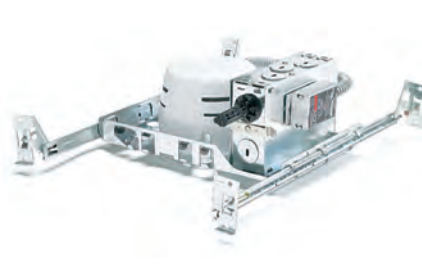
Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceed ASTM E283 (Air-Tight housings only)



COMMERCIAL AND RESIDENTIAL LOW VOLTAGE LED COMPATIBLE 4" SHALLOW HOUSINGS



4" Shallow IC Airtight Low Voltage Housing

NLIC-402AT/1EL* **V** **At** **SH** 3W-50W 120V Electronic
NLIC-402QSAT/20 **At** **SH** 20W 120V Magnetic
NLIC-402QSAT/37 **At** **SH** 37W 120V Magnetic
NLIC-402QSAT **SH** 50W 120V Magnetic
 Width: 12-3/4" Length: 15-3/4" Height: 5-3/8"

4" Shallow Low Voltage Housing

NL-402S/1EL* **V** **SH** 3W-50W 120V Electronic
NL-402S/20 **SH** 20W 120V Magnetic
NL-402S/37 **SH** 37W 120V Magnetic
NL-402S **SH** 50W 120V Magnetic
 Width: 6" Length: 8-1/2" Height: 3-1/2"

4" Shallow Low Voltage Remodel

NLR-403S/1EL* **V** **SH** 3W-50W 120V Electronic
NLR-403S/20 **SH** 20W 120V Magnetic
NLR-403S/37 **SH** 37W 120V Magnetic
NLR-403S **SH** 50W 120V Magnetic
 Width: 4-7/8" Height: 3-1/2"
 Length: 11-3/4" (Electronic) 13-1/2" (Magnetic)

SH Shallow housings are compatible with trims designated with shallow logo

V Versa housings include electronic transformers rated for Halogen or LED lamps from 3W to 50W

4" Shallow Low Voltage housings are ideal for multi family applications with shallow plenum access. Reduced wattage housings are useful in meeting watts per square foot requirements. Housings are available with magnetic or electronic transformers.

ELECTRICAL:

Input Voltage: 120V
Output Voltage: 12V
Socket: GU5.3 Bi-Pin with Heat Shield
Wattage: 3W-50W
Lamp: MR16 (not included)
Dimming: MLV (with magnetic transformer) or ELV (with electronic transformer)

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.
Remodel: Four high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.
IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceed ASTM E283 (Air-Tight housings only)



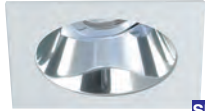
LOW VOLTAGE COMMERCIAL AND RESIDENTIAL

4" TRIMS LED COMPATIBLE



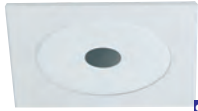
SH

Square with Baffle 35°
NL-4810 75W MR16
 BB, BW, BZBZ, COCO, NN, WN, WW



SH

Square w/ Reflector 35°
NL-4814 75W MR16
 BB, BZBZ, CW, HZW, NN, WW



SH

Square w/ 1" Pinhole 35°
NL-4840W 50W MR16



SH

Square Regressed 35°
NL-4857 75W MR16
 BB, BBW, BWW, BZBZ, HZHW, NN, WBB, WW



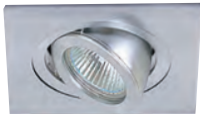
WET

Square Regressed w/Lens 35°
NL-4859 50W MR16
 BZBZ, HZHW, WW



SH

Square w/ 2" Pinhole 35°
NL-4855 75W MR16
 BB, BBZ, BN, BW, WW



SH

Square w/Surface Adjust 35°
NL-4865 75W MR16
 B, BZ, N, WW



SH

Square w/ Adjust Elbow 90°
NL-4870W 75W MR16



SH

Square w/Slot Aperture 35°
NL-4845W 50W MR16



WET

SH

Square w/ Flat Frost Lens
NL-4826 75W MR16
 B, BZ, W



WET

SH

Square Flat Frost/Clear Lens
NL-4827W 75W MR16



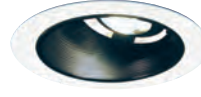
SH

Adjustable Baffle 35°
NL-410 (White) 75W MR16
 BZ, N, P



SH

Black Adjustable Baffle 35°
NL-411 (Black) 75W MR16
 B, BZ, G, N, P



SH

Adjustable Baffle 45°
NL-468 75W MR16
 B, W



SH

Adjustable Reflector 35°
NL-412 (G) **NL-414** (C), B, C, HZ
NL-413 (B), B **NL-416** (W)



SH

Adjustable Reflector 35°
NL-452 (N)
NL-453 (CO), BZ



SH

Deep Cone Reflector 35°
NL-432 BZ, BZW, CO, HZW, N, NW, WW



SH

Adjustable Reflector 45°
NL-469 75W MR16
 B, C, HZ, N, W



SH

Adj. Wall Wash Baffle 35°
NL-449 (White) 75W MR16
NL-448 (BW)



SH

Adj. Wall Wash Reflector 35°
NL-450 75W MR16 (White)



SH

Adj. Drop Gimbal
NL-490
 B, W 90°



SH

Adjustable Slot Aperture 35°
NL-445 (White) 75W MR16
 B, BZ, N



SH

2" Pinhole w/ Baffle
NL-420 (White) 50W MR16
NL-421 (Black) 50W MR16



SH

1" Pinhole 35°
NL-440 50W MR16
 (White), B, BZ, N

WET Wet Listed SH Shallow

COMMERCIAL AND RESIDENTIAL **LOW VOLTAGE**
LED COMPATIBLE **4" TRIMS**



SH

Adj. Eyeball w/ Baffle 35°
NL-418 75W MR16
N, WB, WW



SH

Gimbal w/ Baffle 35°
NL-463 75W MR16
BB, BN, BW, BZ, WW



SH

Surface Adjustable 35°
NL-465 75W MR16
B, BZ, C, CO, N, S, W



SH

Surface Adj. w/ Baffle 35°
NL-467 75W MR16
BN, BW, WW



SH

Adjustable Elbow 70°/358°
NL-470 75W MR16
BZ, N, W



WET SH

Albalite Lens
NL-422 75W MR16
B, BZ, C, W



WET SH

Fresnel Lens
NL-423 75W MR16
BZ, N, W



WET SH

Frosted Dome Lens
NL-425W 75W MR16



WET SH

Frosted Flat Lens
NL-426 75W MR16
BZ, N, W



WET SH

Frost/Clear Flat Lens
NL-427W 75W MR16



WET SH

Flat Lens, White Plastic Trim
NL-429 75W MR16
WWP



SH

Reflector for Deco Glass
NL-438 75W MR16
BZ, C, N, W
NTG-4 Glass sold separately



4" Glass for NL-438
NTG-4
See page 227 for glass options

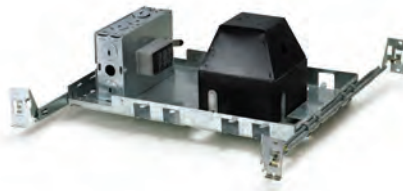
WET Wet Listed SH Shallow



COMMERCIAL AND ARCHITECTURAL LOW VOLTAGE LED COMPATIBLE 4" Q4 SQUARE SERIES



4" Q4 Series Square IC Air-Tight
Low Voltage New Construction Housing
NLIC-408AT/1EL* **V AT** 3W-50W 120V Electronic
NLIC-408AT AT 50W 120V Magnetic
Width: 10-3/4" Length: 17" Height: 7"



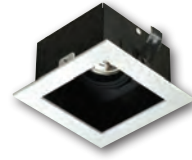
4" Q4 Series Square Air-Tight
Low Voltage New Construction Housing
NL-408AT/1EL* **V AT** 3W-50W 120V Electronic
NL-408AT AT 50W 120V Magnetic
NL-408AT/20 AT 20W 120V Magnetic
NL-408AT/37 AT 37W 120V Magnetic
Width: 8" Length: 12-1/2" Height: 5"



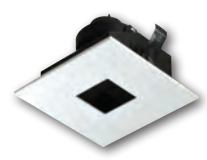
4" Q4 Series Square Air-Tight
Low Voltage Remodel Housing
NLR-409AT/1EL* **V AT** 3W-50W 120V Electronic
NLR-409AT AT 50W 120V Magnetic
Width: 4" Length: 14-1/2" Height: 5-1/4"



Square Frosted Flat Lens
with Reflector
NL-4584
B, BZ, N, W



Square Adjustable
with Reflector
NL-4585
B, BZ, N, W, WW



Square Adjustable 1-1/2"
Pinhole with Reflector
NL-4588
B, BZ, N, W

V Versa housings include electronic transformers rated for Halogen or LED lamps from 3W to 50W

W = White Flange, White Reflector, Black Lamp Holder
WW = White Flange, White Reflector, Black Lamp Holder

Square housings feature die formed steel housings with square ceiling collars. The Q4 die-cast aluminum lamp holders help dissipate heat for longer lamp life, accommodate two filters, and provide excellent visual cut-off. The dimmable, air-tight Q4 series is available with electronic or magnetic transformer.

ELECTRICAL:
Input Voltage: 120V
Output Voltage: 12V
Socket: GU5.3 Bi-Pin with Heat Shield
Wattage: 3W-50W
Lamp: MR16 (not included)
Dimming: MLV (with magnetic transformer) or ELV (with electronic transformer)

INSTALLATION:
New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.
Remodel: Four high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:
Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.
IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:
Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

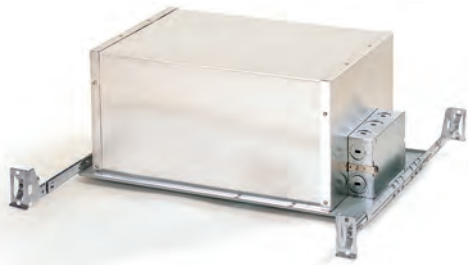
LISTING & WARRANTY:
• cULus Listed for Damp Location w/ Feed Through
• cULus Wet Location (w/ designated trims)
• Meets or exceed ASTM E283



Wet Listed

LOW VOLTAGE COMMERCIAL AND RESIDENTIAL

6" HOUSINGS LED COMPATIBLE



6" IC Air-Tight Low Voltage New Construction Housings

NLIC-601/1EL 3W-50W 120V Electronic
NLIC-601/2EL 50W 277V Electronic
NLIC-601QAT 50W 120V Magnetic
 Width: 9-1/2" Length: 13-1/8" Height: 7-3/4"



6" Air-Tight Low Voltage New Construction Housings

NL-601/1EL 3W-50W 120V Electronic
NL-601/2EL 50W 277V Electronic
NL-601/75/1EL 75W 120V Electronic
NL-601/75/2EL 75W 277V Electronic
NL-601Q 50W 120V Magnetic
NL-601Q/277V 50W 277V Magnetic
NL-601/75Q 75W 120V Magnetic
NL-601/277/75Q 75W 277V Magnetic
 Width: 7-1/2" Length: 12-1/2" Height: 7-1/2"



6" Air-Tight Low Voltage Remodel Housings

NLR-604/1EL 3W-50W 120V Electronic
NLR-604/2EL 50W 277V Electronic
NLR-604/75/1EL 75W 120V Electronic
NLR-604/75/2EL 75W 277V Electronic
NLR-604Q 50W 120V Magnetic
NLR-604/277Q 50W 277V Magnetic
NLR-604/75Q 75W 120V Magnetic
NLR-604/277/75Q 75W 277V Magnetic
 Width: 6-1/4" Length: 14-1/2" Height: 7-1/2"



6" Low Voltage Retrofit

NLK-2600 50W 120V Magnetic
NLK-2600/EL 3W-50W 120V Electronic
 Retrofits existing 6" line voltage housing to 6" low voltage. Must order 6" low voltage trim separately.



6" Line Voltage MR16 GU10 Retrofit

NRA-34/10 50W max., lamp not included
 An economical solution to convert a medium base non-IC housing into a GU10 MR16 halogen or LED

Versa housings include electronic transformers rated for Halogen or LED lamps from 3W to 50W

6" Low voltage housings provide crisp, defined MR16 halogen illumination for any application. Reduced wattage housings are useful in meeting watts per square foot requirements. Housings are available with magnetic or electronic transformers. A wide variety of attractive adjustable trims allow for fine-tuned aiming of directional light sources.

Input Voltage: 120V or 277V, must specify
Output Voltage: 12V
Socket: GU5.3 Bi-Pin with Heat Shield
Wattage: 3W-75W
Lamp: MR16 (not included)
Dimming: MLV (with magnetic transformer) or ELV (with electronic transformer)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- Meets or exceed ASTM E283 (Air-Tight housings only)



COMMERCIAL AND RESIDENTIAL **LOW VOLTAGE**
LED COMPATIBLE 6" TRIMS



Adjustable Baffle 35°
NL-610W (White) 75W MR16
NL-611B (Black) 75W MR16



Designer Baffle 35°
NL-641W 75W MR16



MR16 Designer Reflector 35°
NL-644HZ (Haze) 75W MR16
NL-646 (White) 75W MR16



Surface Gimbal 35°
NL-671W 75W AR111 / PAR36
 * Socket conversion included
 with trim



Gimbal w/ Baffle 45°
NL-663BZ (Bronze) 75W MR16
NL-663WW (White) 75W MR16
NL-663CO (Copper) 75W MR16



Surface Round Spot 45°
NL-665W (White) 75W MR16



Adjustable Slot Aperture 35°
NL-645 (White) 75W MR16



Adjustable Elbow 90°/358°
NL-680 75W MR16
 B, BZ, C, CO, N, W



Line Voltage

3", 4", 5", 6" OR 8" APERTURES



Nora Lighting's family of **Line Voltage** fixtures are one of the largest in the industry offering **3", 4", 5" and 6" apertures**, utilizing up to 150 watts.

Architectural and Commercial Frame-Ins are available in **6" aperture**. Reflectors are available in open, baffled and lensed wet location rated.

Commercial and Residential housings are available in **3", 4", 5" and 6" apertures**. Our wide variety of trims in designer finishes and intended for specific applications makes Nora a single source for all incandescent lighting needs.

2-Hour Fire Rated Housings can be specified in **4", 5" and 6" apertures** to prevent passage of flames, gases and sound dampening. Housings are compatible with a variety **line voltage trims, LED retrofits and surface mount** luminaires.

LINE VOLTAGE COMMERCIAL AND ARCHITECTURAL

6" FRAME-INS & REFLECTORS 150W max.



6" Architectural Line Voltage Frame-In
NHAV-6150 150W A21 / PAR38
 Width: 11-3/8" Length: 12" Height: 10-1/2"



6" Commercial Line Voltage Frame-In
NH-150 150W A21 / PAR38
 Width: 9-1/2" Length: 14" Height: 10-1/2"



6" Architectural Remodel Line Voltage
NHR-150 150W A21 / PAR38
 Width: 7" Length: 11-1/4" Height: 10"



Specular Clear Reflector with Baffle
NTS-730W White Baffle / White Plastic Ring



Specular Reflector
NTS-731C Specular Clear / White Plastic Ring
NTS-731CWF Specular Clear / White Flange
NTS-731CLIWF Low Iridescent Clear / White Flange



Regressed Albalite Lens with Baffle and Specular Clear Reflector
NTS-732W White Baffle / White Plastic Ring

6" Architectural and Commercial fixtures provide optimum performance for commercial applications with high ceilings.

ELECTRICAL:
Input Voltage: 120V
Socket: Medium base
Wattage: 150W max.
Lamp: A21 or PAR38

INSTALLATION:

Architectural: Universal brackets accept two channel bar hangers or flat bar hangers (not included), or simple rigid 1/2" steel conduit for tie-down to ceiling grids.
Commercial: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.
Remodel: Three high-tension tempered steel springs secure remodel frame-in to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

LISTING & WARRANTY:

• cULus Listed for Damp Location w/ Feed Through
 cULus Wet Location (w/ designated reflectors)

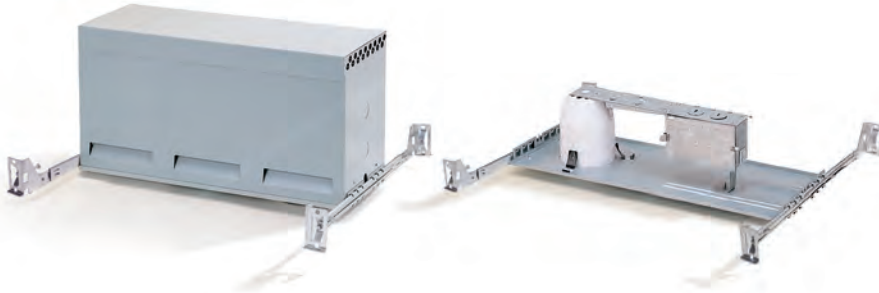


Wet Listed



LINE VOLTAGE COMMERCIAL AND RESIDENTIAL

TRUE 3" HOUSINGS MR16 GU10



TRUE 3" IC Air-Tight MR16 GU10 Line Voltage New Construction Housings

NHIC-350AT* AT 50W MR16 GU10 (not included)
Width: 6-3/8" Length: 16-1/4" Height: 8-1/8"

TRUE 3" Air-Tight MR16 GU10 Line Voltage New Construction Housings

NH-350AT* AT 50W MR16 GU10 (not included)
Width: 6-3/8" Length: 16-1/4" Height: 4-1/2"



TRUE 3" Air-Tight MR16 GU10 Line Voltage Remodel Housings

NHR-354AT* AT 50W MR16 GU10 (not included)
Width: 3-2/5" Length: 11" Height: 4-5/8"

**Available in wattage reduced 20W (/20) and 37W (/37)*

Nora Lighting's 3" Line Voltage housings are a true three inches! The True 3" housings and trims are excellent for LED lamps. Line voltage fixtures do not require a transformer and include quick connectors.

ELECTRICAL:

Input Voltage: 120V

Socket: GU10

Wattage: 50W max.

Lamp: MR16 (not included)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Four high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceeds ASTM E283



COMMERCIAL AND RESIDENTIAL **LINE VOLTAGE**
MR16 GU10 TRUE 3" TRIMS



Square w/ Round Baffle 35°
NL-3410 50W MR16
NL-3433 w/Lens
BB, BW, BZBZ, NN, WW



Square w/ Round Reflector 35°
NL-3412 50W MR16
NL-3413 w/Lens
BB, BW, BZBZ, CW, NN, WW



Square Pinhole 35°
NL-3420 50W MR16
NL-3423 w/Lens
BB, BW, BZBZ, NN, WW



Adjustable Baffle 35°
NL-3310 50W MR16
BB, BW, BZBZ, COCO, NN,
WC, WG, WW



Adjustable Reflector 35°
NL-3312 50W MR16
BB, BC, BW, CC, CW, COCO, HZW,
NN, WW



Metal Trim w/ 1" Pinhole 35°
NL-3320 50W MR16
C, N, W



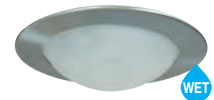
Adjustable Slot Aperture 35°
NL-3345 50W MR16
BZ, C, CO, G, N, W



Eyeball w/ Baffle 10°
NL-3318 50W MR16
BZ, C, CO, G, N, W



Wall Wash w/ Baffle 10°
NL-3348 50W MR16
BB, BW, WW



Frosted Dome Lens 35°
NL-3325 50W MR16
BZ, CO, N, W



Frosted Flat Lens 35°
NL-3326 50W MR16
BZ, G, W

Wet Listed

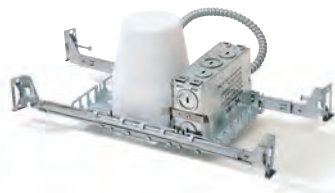


COMMERCIAL AND RESIDENTIAL **LINE VOLTAGE** MR16 GU10 **4" HOUSINGS**



4" IC Air-Tight Line Voltage
New Construction Housing

NSLIC-401AT/10 AT 50W MR16 GU10 (not included)
Width: 8" Length: 12-5/8" Height: 8"



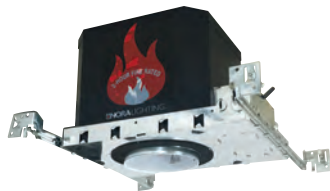
4" Non-IC Air-Tight Line Voltage
New Construction Housing

NSL-401AT/10 AT 50W MR16 GU10 (not included)
Width: 8-3/4" Length: 8-3/4" Height: 5-3/4"



4" Non-IC Air-Tight Line Voltage
Remodel Housing

NSLR-404AT/10 AT 50W MR16 GU10 (not included)
Width: 4-1/4" Length: 11-1/4" Height: 5-5/8"



4" Fire Rated IC Air-Tight Line Voltage
New Construction Housing

NFBIC-401AT/25A AT FB 25W MR16 GU10 (not included)
Width: 7-11/18" Length: 10-11/16" Height: 6-3/4"



4" IC Air-Tight Line Voltage LED
New Construction Housing

NSEIC-407AT/20 AT 20W MR16 GU10 (not included)
Width: 8-3/4" Length: 8-3/4" Height: 5-3/4"



4" IC Air-Tight Line Voltage LED
Remodel Housing

NSERIC-407AT/20 AT 20W MR16 GU10 (not included)
Width: 4-1/4" Length: 11-1/4" Height: 5-5/8"

Line Voltage Air-Tight fixtures do not require a transformer. Reduced wattage housings are good for meeting watts per square foot requirements. GU10 housings are compatible with GU10 LED lamps. Housings include quick connectors rated for 20W, 25W or 50W max.

ELECTRICAL:

Input Voltage: 120V

Socket: GU10

Wattage: 20W, 25W or 50W max.

Lamp: MR16 (not included)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceed ASTM E283
- cULus classified for two hour fire rating (NFBIC only)



LINE VOLTAGE COMMERCIAL AND RESIDENTIAL

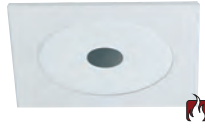
4" TRIMS MR16 GU10



Square with Baffle 35°
NL-4810 75W MR16
 BB, BW, BZBZ, COCO, NN, WN, WW



Square w/ Reflector 35°
NL-4814 75W MR16
 BB, BZBZ, CW, HZW, NN, WW



Square w/ 1" Pinhole 35°
NL-4840W 50W MR16



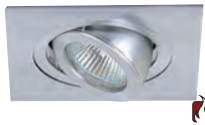
Square Regressed 35°
NL-4857 75W MR16
 BB, BBW, BWW, BZBZ, HZHW, NN, WBB, WW



Square Regressed w/Lens 35°
NL-4859 50W MR16
 BZBZ, HZHW, WW



Square w/ 2" Pinhole 35°
NL-4855 75W MR16
 BB, BBZ, BN, BW, WW



Square w/Surface Adjust 35°
NL-4865 75W MR16
 B, BZ, N, WW



Square w/ Adjust Elbow 90°
NL-4870W 75W MR16



Square w/Slot Aperture 35°
NL-4845W 50W MR16



Square w/ Flat Frost Lens 35°
NL-4826 75W MR16
 B, BZ, W



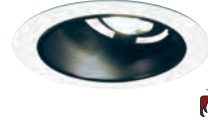
Square Flat Frost/Clear Lens 35°
NL-4827W 75W MR16



Adjustable Baffle 35°
NL-410 (White) 75W MR16
 BZ, N, P



Black Adjustable Baffle 35°
NL-411 (Black) 75W MR16
 B, BZ, G, N, P



Adjustable Baffle 45°
NL-468 75W MR16
 B, W



Adjustable Reflector 35°
NL-412 (G) **NL-414** (C), B, C, HZ
NL-413 (B), B **NL-416** (W)



Adjustable Reflector 35°
NL-452 (N)
NL-453 (CO), BZ



Deep Cone Reflector 35°
NL-432 BZ, BZW, CO, HZW, N, NW, WW



Adjustable Reflector 45°
NL-469 75W MR16
 B, C, HZ, N, W



Adj. Wall Wash Baffle 35°
NL-449 (White) 75W MR16
NL-448 (BW)



Adj. Wall Wash Reflector 35°
NL-450 75W MR16 (White)



Adj. Drop Gimbal 90°
NL-490
 B, W



Adjustable Slot Aperture 35°
NL-445 (White) 75W MR16
 B, BZ, N



2" Pinhole w/ Baffle 50W MR16
NL-420 (White) 50W MR16
NL-421 (Black) 50W MR16



1" Pinhole 35°
NL-440 50W MR16
 (White), B, BZ, N

Wet Listed Fire Box Compatible

COMMERCIAL AND RESIDENTIAL **LINE VOLTAGE**
MR16 GU10 4" TRIMS



Adj. Eyeball w/ Baffle 35°
NL-418 75W MR16
N, WB, WW



Gimbal w/ Baffle 35°
NL-463 75W MR16
BB, BN, BW, BZ, WW



Surface Adjustable 35°
NL-465 75W MR16
B, BZ, C, CO, N, S, W



Surface Adj. w/ Baffle 35°
NL-467 75W MR16
BN, BW, WW



Adjustable Elbow 70°/358°
NL-470 75W MR16
BZ, N, W



Albalite Lens
NL-422 75W MR16
B, BZ, C, W



Fresnel Lens
NL-423 75W MR16
BZ, N, W



Frosted Dome Lens
NL-425W 75W MR16



Frosted Flat Lens
NL-426 75W MR16
BZ, N, W



Frost/Clear Flat Lens
NL-427W 75W MR16



Flat Lens, White Plastic Trim
NL-429 75W MR16
WWP



Reflector for Deco Glass
NL-438 75W MR16
BZ, C, N, W
NTG-4 Glass sold separately

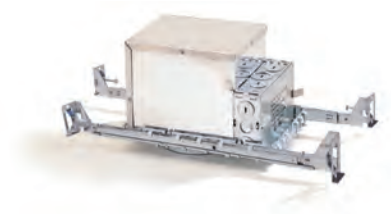


4" Glass for NL-438
NTG-4
See page 227 for glass options

Wet Listed Fire Box Compatible

LINE VOLTAGE COMMERCIAL AND RESIDENTIAL

4" HOUSINGS R/PAR20



4" IC Air-Tight Line Voltage New Construction Housing

NSIC-4010AT* **AT**

50W R/PAR20

Width: 5-1/4" Length: 8-1/2" Height: 6"



4" Non-IC Air-Tight Line Voltage New Construction Housing

NS-4010AT* **AT**

50W R/PAR20

Width: 5-5/8" Length: 8-1/2" Height: 5-3/4"



4" Air-Tight Line Voltage Remodel Housing

NSR-4040AT* **AT**

Non-IC 50W R/PAR20

Width: 4-1/4" Length: 11-1/4" Height: 5-5/8"

NSRIC-4040AT* **AT**

IC 50W R/PAR20

Width: 4-5/8" Length: 11-3/4" Height: 6-1/4"

**Available in wattage reduced 12W (/12) and 20W (/20)*



4" 2-Hour Fire Rated Line Voltage Housing

NFBIC-4INCATA **AT FB**

50W R/PAR20

Width: 7-11/18" Length: 10-11/16" Height: 6-3/4"

4" Line voltage housings are thermally protected, listed for damp location, listed for feed through and include an adjustable socket with quick connects.

ELECTRICAL:

Input Voltage: 120V

Socket: Medium Base

Wattage: 50W max.

Lamp: R/PAR20 (not included)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceed ASTM E283
- cULus classified for two hour fire rating (NFBIC only)



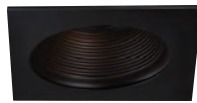
COMMERCIAL AND RESIDENTIAL **LINE VOLTAGE**
R/PAR20 4" TRIMS



Square Regressed
NS-4857
BB, BBW, BWW, BZBZ, HZHZW,
NN, WW



Square w/ Reflector
NS-4914
BB, BZBZ, CB, CC, CG, CW, COCO,
GW, HZW, NN, WW



Square with Baffle
NS-4910
BB, BBZ, BCO, BW, NN WC, WG,
WN, WW



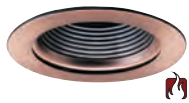
Square w/2" Square Pinhole
NS-4855
BB, BW, BBZ, BN



Square w/Gimbal **20°**
NS-4912
BZ, N, W



Square w/ Flat Frost Lens
NS-4926
B, W



Stepped Baffle
NS-40 White Baffle
BZ, BZBZ, CO, N
NS-41 Black Baffle
B



Phenolic Stepped Baffle w/
White Plastic Ring
NS-40P White
NS-41P Black



Lenless Shower Baffle Cone
NS-76 Air-Tight
B, BZ, N, W



Reflector
NS-42G
NS-44 (C), BZ, HZ
NS-46 (W)
Ring: B, BZ, C, CO, N, W



Reflector w/Matching Ring
NS-52 Natural Metal
NS-53 (Copper), BZ



1" Pinhole
NS-45 (White)



Eyeball Trim
NS-18 (White)
B, BZ



15° Surface Gimbal
NS-12
BZ, N, W



20° Adjustable Slot Aperture **10°**
NS-47 (W)
B, BZ



Wall Wash w/Baffle
NS-48 (White)
BZ, N



Wall Wash w/Reflector
NS-50 (White)



Albalite Lens
NS-22
B, BZ, C, CO, G, N, W



Fresnel Lens
NS-23
B, BZ, C, CO, G, N, W



Frosted Dome Lens
NS-25
B, BZ, C, CO, G, N, W



Frosted Flat Lens
NS-26
B, BZ, C, CO, G, N, W



Reflector for Deco Glass
NS-38W
NTG-4 Glass sold separately



Decorative Glass for NS-38W
NTG-4
See page 227 for glass options

Wet Listed Fire Box Compatible Air-Tight

LINE VOLTAGE COMMERCIAL AND RESIDENTIAL

5" HOUSINGS A19, R/PAR20, BR/PAR30



5" IC Air-Tight Line Voltage Housings

NHIC-5010AT **AT** New Construction / 75W max.
 Width: 7-1/4" Length: 10-1/2" Height: 7-1/2"
NHRIC-5040AT **AT** Remodel / 75W max.
 Width: 5-1/2" Length: 13-1/2" Height: 7-1/2"



5" Non-IC Line Voltage Housings

NH-5010 New Construction / 75W max.
 Width: 7-1/4" Length: 10-1/2" Height: 7-1/2"
NHR-5040 Remodel / 75W max.
 Width: 5-1/2" Length: 13-1/2" Height: 7-1/2"



5" ICAT Shallow Line Voltage Housings

NHIC-5270AT **AT SH** New Construction / 50W max.
 Width: 7" Length: 10-1/2" Height: 5-7/8"
NHRIC-5270AT **AT SH** Remodel / 50W max.
 Width: 5-1/2" Length: 13-1/4" Height: 5-7/8"



5" 2-Hour Fire Rated Line Voltage Housing

NFBIC-5INCATA **AT FB** 75W max.
 Width: 9" Length: 12-1/2" Height: 7-11/16"

SH Shallow housings are compatible with trims designated with shallow logo

5" Line voltage housings are thermally protected, listed for damp location, listed for feed through and include an adjustable socket with quick connects.

ELECTRICAL:

Input Voltage: 120V

Socket: Medium Base

Wattage: 75W max. (varies with trim)

Lamp: A19, BR/PAR30 (not included)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceed ASTM E283 (Air-Tight housings only)
- cULus classified for two hour fire rating (NFBIC only)



COMMERCIAL AND RESIDENTIAL **LINE VOLTAGE**
A19, R/PAR20, BR/PAR30 5" TRIMS



Square Regressed Trim
NTM-5857 75W BR/PAR30
 BZBZ, HZHZW, NN, WW



Baffle Splay
NT-5001 50W BR/PAR30
 B, BZ, N, W



Baffle Splay w/ Ring
NT-5010 50W BR/PAR30
 B, BB, BZ, N, W



Cone Baffle w/ Wall Wash
NT-5054W 75W BR/PAR30



Splay Trim
NT-5000 75W BR/PAR30
 BZ, CO, N, W



Open Trim
NT-5030 75W BR/PAR30
 BZ, W



Deep Phenolic Baffle
NT-5012 75W BR/PAR30
 B, BZ, CO, N, W



Air-Tight Cone Baffle
NTM-513 75W BR/PAR30
 B, W



Air-Tight Cone Reflector
NT-5014 75W BR/PAR30
 B, C, HZ, N, W



Reflector
NT-5020 75W BR/PAR30
 B, C, W



Cone Reflector
NT-5021 60W A19
 B, BZ, C, CO, G HZ, N, W



Shallow Cone Reflector
NT-5002 35W PAR30
 B, BZ, C, HZ, W



PAR30 Gimbal 28°
NTM-5060 75W BR/PAR30
 B, BZ, CO, N, W



PAR20 Eyeball 30°
NT-5071 50W R/PAR20
 B, BZ, CO, W



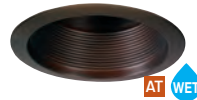
PAR30 Eyeball 30°
NT-5070W 75W BR/PAR30



Baffle w/Regressed Gimbal
NT-5061W 75W PAR30 30°



Baffle w/Regressed Eyeball
NT-5048 75W PAR30 35°
 B, W



Lenless Shower Baffle Cone
NTM-526 75W PAR30
 B, BZ, W



Albalite Lens
NT-5022 60W A19
 BZ, N, W



Fresnel Lens
NT-5023 60W A19
 B, BZ, W

Albalite Lens
NTS-5022W SH Front Load
 60W A19 & 35W PAR30

Fresnel Lens
NTS-5023W SH Front Load
 60W A19 & 35W PAR30



Drop Opal Lens
NT-5024 60W A19
 BZ, W



Frosted Dome Lens
NT-5025 60W A19
 B, BZ, W



Frosted Flat Lens
NT-5026 60W A9
 BZ, C, N, W



Frosted Dome w/Reflector
NT-5050W (White)
 60W A19 & 35W PAR30

Drop Opal Lens
NTS-5024W SH Front Load
 60W A19 & 35W PAR30

Frosted Dome Lens
NTS-5025W SH Front Load
 60W A19 & 35W PAR30

Frosted Flat Lens
NTS-5026W SH Front Load
 60W A19 & 35W PAR30

Wet Listed Shallow Fire Box Compatible Air-Tight

LINE VOLTAGE COMMERCIAL AND RESIDENTIAL

6" HOUSINGS A19, BR/PAR30



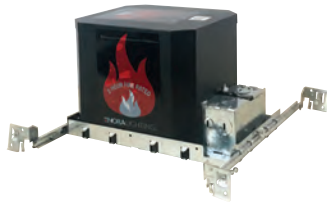
6" IC Air-Tight Line Voltage Double Wall New Construction Housing
NHIC-17100DWQA AT 100W max.
 Width: 9-1/8" Length: 12-1/2" Height: 7-3/4"



6" IC Air-Tight Line Voltage Housings
NHIC-170AT AT New Construction / 100W max.
NHIC-170NBAT AT NB Floating Socket / 100W max.
 Width: 7" Length: 9-3/8" Height: 7-1/2"
NHRIC-170AT AT Remodel / 100W max.
NHRIC-170NBAT AT NB Floating Socket / 100W max.
 Width: 6-3/4" Length: 13-3/4" Height: 7-1/2"



6" Non-IC Line Voltage Housings
NH-260 New Construction / 150W max.
NH-260NB NB Floating Socket / 150W max.
 Width: 7" Length: 10-1/8" Height: 7-1/2"
NHR-260 Remodel / 150W max.
 Width: 6-3/4" Length: 13-3/4" Height: 7-1/2"



6" 2-Hour Fire Rated Line Voltage Housing
NFBIC-6INCATA AT FB 90W max.
 Width: 9" Length: 12-1/2" Height: 7-11/16"

NB No bracket housings have floating sockets that install on trims designated with NB logo and have socket brackets.

6" Line voltage housings are thermally protected, listed for damp location, listed for feed through and include an adjustable socket with quick connects.

ELECTRICAL:

- Input Voltage:** 120V
- Socket:** Medium Base
- Wattage:** 150W max. (varies with trim)
- Lamp:** A19, BR/PAR30, BR40/PAR38 (not included)

INSTALLATION:

- New Construction:** Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.
- Remodel:** Three high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

- Non-IC fixtures** require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.
- IC housings** are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceed ASTM E283 (Air-Tight housings only)
- cULus classified for two hour fire rating (NFBIC only)



COMMERCIAL AND RESIDENTIAL LINE VOLTAGE A19, BR/PAR30 6" SHALLOW HOUSINGS



6" Shallow IC Air-Tight Line Voltage
New Construction Housing

NHIC-27QAT **AT SH**

75W max.

Width: 7" Length: 10-1/8" Height: 5-1/2"



6" Shallow IC Air-Tight Line Voltage
Remodel Housing

NHRIC-27QAT **AT SH**

75W max.

Width: 6-3/4" Length: 13-3/4" Height: 5-1/2"



6" Shallow Non-IC Line Voltage
New Construction Housing

NH-27Q **SH**

75W max.

Width: 7" Length: 10-1/8" Height: 5-1/2"



6" Shallow IC Air-Tight Line Voltage
Remodel Housing

NHR-27Q **SH**

75W max.

Width: 6-3/4" Length: 13-3/4" Height: 5-1/2"

SH Shallow housings are compatible with trims designated with shallow logo

6" Shallow Low Voltage housings are ideal for multi family applications with shallow plenum access. Housings are thermally protected, listed for damp location, listed for feed through and include an adjustable socket with quick connects.

ELECTRICAL:

Input Voltage: 120V

Socket: Medium Base

Wattage: 75W max. (varies with trim)

Lamp: A19, BR30, PAR30, PAR38, R40 (not included)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.

IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceed ASTM E283 (Air-Tight housings only)



LINE VOLTAGE COMMERCIAL AND RESIDENTIAL

6" TRIMS A19, PAR16, R/PAR20, BR/PAR30, BR40/PAR38



Air-Tight Aluminum Baffle
NTM-713BBAL Black Baff / Black Fl.
NTM-713WAL WhiteBaff / White Fl.
NTM-713BAL Black Baff / White Fl.
NTM-713BZ Bronze Baff / Bronze Fl.
 150W BR40/PAR38



Shallow Air-Tight Baffle
NTM-716BAL Black Baff / White Fl.
NTM-716WAL WhiteBaff / White Fl.
NTM-716BZ Bronze Baff / Bronze Fl.
NTM-716N Nat Metal / Nat Metal Fl.
 60W A19, 50W R/PAR20,
 75W BR/PAR30



Clear Reflector w/Baffle
NTA-101 Black Baffle
NTA-101N Natural Metal Baffle
NTA-102 White Baffle
 100W A19



BR/PAR30 Stepped Baffle
NTM-30 (Black Baffle)
NTM-30/2R (Black) Two Rings
 Ring: B, N, (W)
 75W BR/PAR30



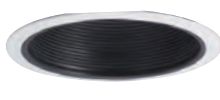
BR/PAR30 Stepped Baffle
NTM-31 (White Baffle)
NTM-31/2R (White) Two Rings
NTM-310V (White Oversize)
NTP-31 (White) Phenolic
 Ring: B, C, N, (W)
 75W BR/PAR30



BR/PAR30 Stepped Baffle
NTM-32 Nat Metal / Nat Metal
 75W BR/PAR30



BR/PAR30 Stepped Baffle
NTM-34BZ Bronze / Bronze
 75W BR/PAR30



BR40/PAR38 Stepped Baffle
NTM-40 (Black Baffle)
NTM-40/2R (Black) Two Rings
NTM-400V (Black Oversize)
NTP-40 (Black) Phenolic
 Ring: B, N, (W)
 150W BR40/PAR38



BR40/PAR38 Stepped Baffle
NTM-41 (W), BZ, CO, N
NTM-41/2R (White) Two Rings
NTM-410V (White Oversize)
NTP-41 (W) Phenolic
 Ring: BZ, C, CO, G, N, (W)
 150W BR40/PAR38



Open Stepped Baffle
NTM-29 BC, BW, WC, WW
 75W BR/PAR30



Square Reflector
NTM-6857BZBW Bronze / Bronze
NTM-6857HZHW Haze / White
NTM-6857NN Nat Metal / Nat Metal
NTM-6857WW White/ White
 75W BR/PAR30



Air-Tight Cone Reflector
NTM-710 w/ Flange - BBAL, WAL
 150W BR40/PAR38
NTS-714 with Ring - B, C, W
 60W A19, 75W BR/PAR30,
 150W BR40/PAR38



A19 Cone Reflector
NTA-97 (W), C, HZ
NTA-98 B, BZBZ, NN
 100W A19



BR/PAR30 Reflector
NTS-30 (G), A
NTS-31 (W), HZ
NTS-32 COCO, NN
NTS-33 (W)
 75W BR/PAR30



PAR38 Reflector
NTS-41 (W), C, HZ
NTS-42 (B/W)
NTS-43 (W/W)
 150W PAR38



Eyeball Metal Trim 30°
NT-28 (W), B, BZ, CO, N
 75W BR/PAR30



Surface Adjustable Spot 45°
NL-665W
 45W PAR16



PAR30 Open Gimbal 30°
NTM-52B Black
NTM-52BZ Bronze
NTM-52W White
 75W BR/PAR30



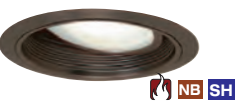
PAR38 Open Gimbal 25°
NTM-53B Black
NTM-53W White
 150W PAR38



Baffle w/Regress Eyeball 35°
NTM-48 Black Baffle / White Ring
NTM-48BB Black Baffle / Blk Ring
NTM-49 White Baffle / White Ring
 75W BR/PAR30



Reflector w/Regress Eyeball 20°
NTS-49W
 75W BR/PAR30



Baffle w/Adj. Gimbal 30°
NTM-54B Black Baff. / White Ring
NTM-54W White Baff. / White Ring
 75W BR/PAR30

NB No Bracket - Floating Socket **SH** Shallow **FB** Fire Box Compatible **AT** Air-Tight

COMMERCIAL AND RESIDENTIAL LINE VOLTAGE A19, R/PAR20, BR/PAR30, BR40/PAR38 6" TRIMS



PAR30 Reflector w/
Adjustable Gimbal 40°
NTM-56B Black Refl / White Trim
NTM-56C Clear Refl / White Trim
NTM-56W White Refl / White Trim
75W PAR30



PAR38 Reflector w/
Adjustable Gimbal 20°
NTM-57B Black Refl / White Trim
NTM-57C Clear Refl / White Trim
NTM-57W White Refl / White Trim
150W PAR38



PAR38 Baffle w/
Adjustable Gimbal 20°
NTM-55B Black Baff / White Trim
NTM-55W White Baff / White Trim
150W PAR38



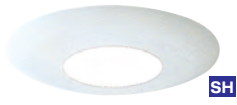
Wall Wash w/Reflector
NT-25 White
NT-25B Black
60W A19



Open Metal Trim
NT-30 White
NT-30BZ Bronze
NT-30N Natural Metal
75W BR/PAR30



Open Metal Trim
NT-40
150W BR40/PAR38



Designer Open Metal Trim
NT-620W
50W R/PAR20



Splay Metal Trim
NT-30D White
75W PAR30



Open Trim w/Bracket
NTM-300B Black
NTM-300BZ Bronze
NTM-300W White
75W BR/PAR30



Albalite Lens
NT-22 (White Metal)
B, BZ, N
NP-22 (White Plastic)
60W A19



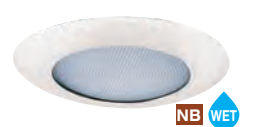
Fresnel Lens
NT-23 (White Metal)
BZ, N
NP-23 (White Plastic)
60W A19



Drop Opal Lens
NT-24 (White Metal)
B, BZ, N
NP-24 (White Plastic)
60W A19



Frosted Flat Lens
NTS-26
60W A19



Albalite Lens w/Bracket
NTM-322 (White Metal)
NP-322 (White Plastic)
60W A19



Fresnel Lens w/Bracket
NTM-323 (White Metal)
NP-323 (White Plastic)
60W A19



Regress Albalite Lens
w/Baffle
NTM-42 Black Baff / White Trim
NTM-42W White Baff / White Trim
60W A19



Regress Fresnel Lens
w/Baffle
NTM-43 Black Baff / White Trim
NTM-43W White Baff / White Trim
60W A19



Regress Drop Opal Lens
w/Baffle
NTM-46M Black Baff / White Trim
NTM-46W White Baff / White Trim
60W A19



Lensless Shower Trim
NTM-726 B, BZ, CO, N, W
150W PAR38



Reflector for Deco Glass
NTA-638W 100W A19
NTG-6 Glass sold separately



6" Glass for NL-638
NTG-6
See page 227 for glass options

Wet Listed No Bracket - Floating Socket Shallow Fire Box Compatible Air-Tight

LINE VOLTAGE COMMERCIAL AND ARCHITECTURAL

6" SLOPE CEILING HOUSINGS & TRIMS A19, BR/PAR30, BR40/PAR38



6" Sloped IC Air-Tight Line Voltage
New Construction Housing

NHIC-926DWQAT AT 100W max.
Width: 9-1/2" Length: 13" Height: 7-3/4"

6" Sloped IC Air-Tight Line Voltage
New Construction Housing

NHIC-926QAT AT 75W max.
Width: 9-1/2" Length: 13" Height: 7"

6" Sloped Air-Tight Line Voltage
Remodel Housings

NHRIC-926QAT AT IC / 75W max.
NHR-926QAT AT Non-IC / 150W max.
Width: 7-1/8" Length: 13" Height: 7-1/2"



Sloped Baffle
NTM-615 Metal (B, W)
NTM-615/45 Super Slope (B, W)
NTP-614 Phenolic (B, BB, W)
NTP-614/45 Super SI (B, BB, W)
75W BR/PAR30, 100W BR40/PAR38



Air-Tight Cone Reflector
NTM-710 w/ Flange - BBAL, WAL
150W BR40/PAR38
NTS-714 with Ring - B, C, W
60W A19, 75W BR/PAR30,
150W BR40/PAR38



BR/PAR30 Eyeball 45°
NT-28 (White), B, BZ, CO, N
75W BR/PAR30



PAR30 Open Gimbal 30°
NTM-52B Black
NTM-52BZ Bronze
NTM-52W White
75W BR/PAR30



PAR38 Open Gimbal 25°
NTM-53B Black
NTM-53W White
150W PAR38



Wall Wash w/Reflector
NT-25 White
NT-25B Black
60W A19



Albalite Lens
NT-22 (White Metal)
B, BZ, N
NP-22 (White Plastic)
60W A19



Fresnel Lens
NT-23 (White Metal)
BZ, N
NP-23 (White Plastic)
60W A19



Drop Opal Lens
NT-24 (White Metal)
B, BZ, N
NP-24 (White Plastic)
60W A19

6" Sloped line voltage housings accommodate ceiling pitches from 2/12 to 6/12. Super slope trims accommodate ceiling pitches from 7/12 to 12/12. Housings are thermally protected, listed for damp location, listed for feed through and include an adjustable socket with quick connects.

ELECTRICAL:

Input Voltage: 120V
Socket: Medium Base
Wattage: 75W or 100W max. (varies by trim)
Lamp: A19, BR/PAR30, BR40/PAR38 (not included)

INSTALLATION:

New Construction: Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.
Remodel: Three high-tension tempered steel springs secure remodel housing to ceiling.

MINIMUM CLEARANCES:

Non-IC fixtures require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.
IC housings are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

AIR FLOW RESTRICTION:

Air tight (AT) housing have factory installed gaskets to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

LISTING & WARRANTY:

- cULus Listed for Damp Location w/ Feed Through
- cULus Wet Location (w/ designated trims)
- Meets or exceed ASTM E283





RECESSED ACCESSORIES

LED EMERGENCY, RETROFIT, IOLITE & COBALT



6" Retrofit Collar

NRA-6159 "L" Style housing
NRA-6159PRG "P" Style housing

For use with existing nominal 6" housings that do not have brackets for torsion springs.



Emergency Battery Backup

NEPK-07LEDUNV Battery & Switch
NEPK-07LEDFPTS Test Switch only

Battery backup with remote test switch for 90 minutes of illumination during power loss.



Retrofit Socket Adapters

NRA-21ISM Medium Base
NRA-212SM GU24

LED retrofits include NRA-21ISM, GU24 socket adapter must be ordered separately



Iolite Extension Collars

NIO-1EXTC2 1"
NIO-2EXTC2 2"
NIO-4EXTC2 4"

Allows Iolite new construction housings to install in ceiling thickness up to 2".

Allows easy linking of two Tape Lights sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Iolite Trimless Mud Rings

NIO-TLMR-2R 2" Round
NIO-TLMR-4R 4" Round
NIO-TLMR-4S 4" Square

Allows Iolite trimless reflectors to be installed even with the ceiling plane with no exposed flange.



Iolite Flush Mount Rings

NIO-FMMR-1R 1" Round
NIO-FMMR-1S 1" Square
NIO-FMMR-2R 2" Round
NIO-FMMR-2S 2" Square
NIO-FMMR-4R 4" Round
NIO-FMMR-4S 4" Square

Allows Iolite reflectors to be installed even with the ceiling plane.



Iolite Premium TIR Optics

NIO-REFLTIR15 15° / 2" & 4"
NIO-REFLTIR25 25° / 2" & 4"

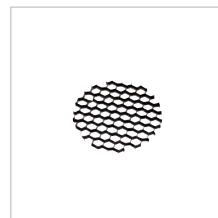
The premium TIR optic will clean up striations found in standard optics. Replaces standard optic. Not compatible with Comfort Dim.



Iolite Frosted Filter-Optic

NIO-1REFL20FR 20° / 1"
NIO-1REFL40FR 40° / 1"
NIO-1REFL60FR 60° / 1"
NIO-REFL15FR 15° / 2" & 4"
NIO-REFL25FR 25° / 2" & 4"
NIO-REFL38FR 38° / 2" & 4"
NIO-REFL60FR 60° / 2" & 4"

Includes optic & frosted lens.



Iolite Hex Cell Louver

NIO-1HC 1"
NIO-HC 2" & 4"

Reduces aperture brightness. Reduces light output by about 20%.



Iolite Translucent Collar

NIO-1ASI5(finish) 5/8" D / 1"
NIO-1ASI9(finish) 3/4" D / 1"
NIO-1AS24(finish) 1" D / 1"
NIO-ASI4(finish) 5/8" D / 2" & 4"
NIO-ASI9(finish) 3/4" D / 2" & 4"
NIO-AS26(finish) 1" D / 2" & 4"

FINISH: BLU Blue; FR Frost; AM Amber; R Red

Translucent collars color the aperture while producing white general light.



Iolite Opaque Collar Snoot

NIO-1ASI5(finish) 5/8" D / 1"
NIO-1ASI9(finish) 3/4" D / 1"
NIO-1AS24(finish) 1" D / 1"
NIO-ASI4(finish) 5/8" D / 2" & 4"
NIO-ASI9(finish) 3/4" D / 2" & 4"
NIO-AS26(finish) 1" D / 2" & 4"

COLOR: BLK Black; MPW Matte Powder White; WH White

Reduces aperture brightness while preserving light output. (Note: Black snoot will reduce light).



Iolite Frame-In for Remodel

NHIOFK-1 1"
NHIOFK-2 2"

Allows access to Iolite remodel housing's junction box from below the ceiling.



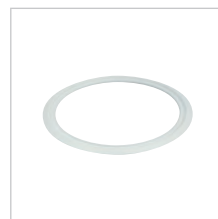
Cobalt Eyelid

NLCBC-4EYELID 4"
NLCBC-5EYELID 5"
NLCBC-6EYELID 6"

FINISH: -B Black; -BZ Bronze; -MPW Matte Powder White; -W White

Clips on to convert to wall wash

COMPATIBLE SERIES:
 NLCB, NLCBC2



Cobalt Oversize Ring

NLCBC-4OR 4"
NLCBC-5OR 5"
NLCBC-6OR 6"

FINISH: -B Black; -BZ Bronze; -MPW Matte Powder White; -W White

Covers large ceiling cut-outs

COMPATIBLE SERIES:
 NLCB, NLCBC2



Cobalt Adjustable TIR Optic

NLCBC-469TIR 4" / 25° or 45°
NLCBC-569TIR 5" / 15° or 45°
NLCBC-669TIR 6" / 15° or 45°

OPTIC: 15 15°; 25 25°; 45 45°
 FINISH: B Black; BZ Bronze; HZ Haze; MPW Matte Powder White; W White

Example: NLCBC-569TIR15MPW

COMPATIBLE SERIES:
 Cobalt Adjustable

RECESSED ACCESSORIES

COBALT, QUARTZ, ONYX & M2 LED



Cobalt Click Deco Dome

NLCBC2-6DDFW 6"

FINISH: Frosted White

Decorative dome ships with white reflector.

COMPATIBLE SERIES:
Cobalt Click



Cobalt Click Deco Ring

NLCBC2-4DRF 4"

NLCBC2-5DRF 5"

NLCBC2-6DRF 6"

FINISH: A Frosted Amber;
B Frosted Blue; R Frosted Red; W Frosted White;

Decorative ring ships with white reflector.

COMPATIBLE SERIES:
Cobalt Click



Quartz Reflector Insert

NQZ-4IREFL(finish) 4"

NQZ-6IREFL(finish) 6"

NQZ-8IREFL(finish) 8"

FINISH: D Clear Diffused; HZ Haze

Replaces the reflector included with Quartz reflectors

COMPATIBLE SERIES:
NQZ



Quartz Frame-In

NQZ-4R-F 4"

NQZ-6R-F 6"

NQZ-8R-F 8"

For new construction pre-wiring and easier layout planning

COMPATIBLE SERIES:
NQZ



Onyx Reflector Insert

NOX-4REFLB 4" Black

NOX-4REFLD 4" Clear Diffused

NOX-4REFLHZ 4" Haze

NOX-56REFLB 5 1/8" Black

NOX-56REFLD 5 1/8" Clear Diffused

NOX-56REFLHZ 5 1/8" Haze

Replaces the reflector included with AC Onyx & Onyx TW reflectors

COMPATIBLE SERIES:
NOXAC & NOXTW



Onyx Baffle Insert

NOX-4BAFB 4" Black

NOX-4BAFW 4" White

NOX-56BAFB 5 1/8" Black

NOX-56BAFW 5 1/8" White

Replaces the reflector included with AC Onyx & Onyx TW reflectors

COMPATIBLE SERIES:
NOXAC & NOXTW



Onyx Eyelid

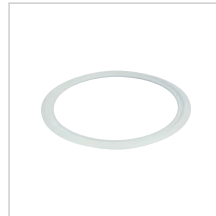
NOX-4EYELIDW 4"

NOX-56EYELIDW 5 1/8"

FINISH: White

Clips on to convert to wall wash

COMPATIBLE SERIES:
NOX, NOXAC & NOXTW



Onyx Oversize Ring

NOX-4OR-W 4"

NOX-56OR-W 5 1/8"

FINISH: White

Covers large ceiling cut-outs

COMPATIBLE SERIES:
NOX, NOXAC & NOXTW



M2 New Construction Frame-In Kit

NM2-2R-F

For new construction pre-wiring and easier layout planning

COMPATIBLE SERIES:
NM2



M2 Reflector Insert for NM2-2RDC

NM2-2REFLB Matte Black

NM2-2REFLHZ Haze

Replaces the reflector included with NM2-2RDC downlight

COMPATIBLE SERIES: NM2



M2 Baffle Insert for NM2-2RDC

NM2-2BAFB Matte Black

NM2-2BAFMPW M.P. White

Replaces the reflector included with NM2-2RDC downlight

COMPATIBLE SERIES: NM2



M2 Square Trim for NM2-2RDC

NM2-2SDTB Matte Black

NM2-2SDTMPW M.P. White

Converts the round trim included with NM2-2RDC downlight into a square trim

COMPATIBLE SERIES: NM2



M2 Square Trim for NM2-2RG

NM2-2SGTB Matte Black

NM2-2SGTMPW M.P. White

Converts the round trim included with NM2-2RG downlight

COMPATIBLE SERIES: NM2



M2 Round Pinhole Trim for NM2-2RDC

NM2-2RPHB Matte Black

NM2-2RPHMPW M.P. White

Converts the round trim included with NM2-2RG downlight

COMPATIBLE SERIES: NM2



M2 Round Wall Wash Trim for NM2-2RDC

NM2-2RWB Matte Black

NM2-2RWMPW M.P. White

Converts the round trim included with NM2-2RG downlight

COMPATIBLE SERIES: NM2

RECESSED ACCESSORIES

LED M2, FLIN, CAMO, OPAL & PRISM



M2 Quick Connect Extension Linkable Cables

| | |
|------------------|-----|
| NM2-EW-4 | 4' |
| NM2-EW-10 | 10' |

Used to extend the length between luminaire and driver enclosure. Max. length is 40'

COMPATIBLE SERIES: NM2



M2 MLS Multiple Plate

| | |
|-------------------------|------------|
| NM2-MLS1(finish) | One Head |
| NM2-MLS2(finish) | Two Head |
| NM2-MLS3(finish) | Three Head |

Used to convert M2 series into a multiple lighting system. Requires M2 luminaires, ordered separately.

COMPATIBLE SERIES: NM2

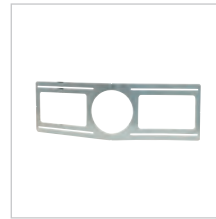


E-Series FLIN New Construction Frame-In Kit

| | |
|----------------------|----|
| NEFLINTW-4R-F | 4" |
| NEFLINTW-6R-F | 6" |

For new construction pre-wiring and easier layout planning

COMPATIBLE SERIES: NEFLINTW



FLIN New Construction Frame-In Kit

| | |
|-------------------------|----|
| NFLIN-4(shape)-F | 4" |
| NFLIN-6(shape)-F | 6" |
| NFLIN-8(shape)-F | 8" |

SHAPE: R Round; S Square

For new construction pre-wiring and easier layout planning

COMPATIBLE SERIES: NFLIN



CAMO Decorative Rings

| | |
|---------------------------|-----|
| NLOCAC-6R(finish) | 6" |
| NLOCAC-8R(finish) | 8" |
| NLOCAC-11R(finish) | 11" |

FINISH: B Black; BN Brushed Nickel; CH Chrome; MPW Matte Powder White

Attaches to CAMO magnetically

COMPATIBLE SERIES: NLOCAC



CAMO Retrofit Kit

NLOCAC-6811RECKIT

Torsion spring kit allows mounting CAMO on 5" or 6" recessed housings

COMPATIBLE SERIES: NLOCAC



Opal Retrofit Kit

NLOPAC-56RECKIT

Torsion spring kit allows mounting Opal on 5" or 6" recessed housings

COMPATIBLE SERIES: NLOPAC-R6, NLOPAC-R7 or NLOPAC-R8



Opal Universal Bracket

NLOPAC-4BKT-2

Universal bracket for mounting Opal to 3" or 4" junction boxes. Bracket is included with R4509 series

COMPATIBLE SERIES: NLOPAC-R4 or NLOPAC-R6



PRISM Master Remote

NLPR-RGBWCONT

Master control for all installed PRISM downlights in an application. Controls on/off functionality, dimming, change color temperature and change color of light. Multiple remotes can control the same installed fixtures. Includes holster for wall mounting.



PRISM Zone Remote

NLPR-ZONECONT

Control for a specified zone of installed PRISM downlights. Controls on/off functionality, dimming and color temperature. Each zone remote can be programmed to control up to four zones (ControlIT app can control up to eight zones). Multiple zone control remotes can be used in a single environment. Can be used to control all connected lights. Zones must be set through Nora's ControlIT app. Includes holster for wall mounting.



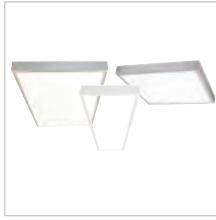
PRISM Decora Wall Control

NLPR-DWC-RGBWCONT

Requires NO wiring and works just like a master remote control. Controls all installed PRISM downlights in an application. Controls on/off functionality, dimming, change of color temperature and change of light color. Can be mounted as wall control in an existing Decora plate. Control is held in plate with magnet and is easily removed to replace battery or use as hand held remote.

RECESSED ACCESSORIES

PANELS, TROFFERS & TRIM ACCESSORIES LED & NON-LED

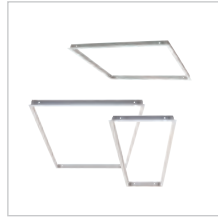


Surface Mounting Frame for LED Panels

NPD-14DFK 1' x 4'
NPD-22DFK/A 2' x 2'
NPD-24DFK/A 2' x 4'

FINISH: /A Aluminum; /W White
 Clean sharp edges in a natural aluminum or white finish. Frame mounts over an existing junction box and panel slides into place. Surface frame extends only 2.5" from the ceiling. May be used with NPD-PK pendant kit.

COMPATIBLE SERIES:
 NPD



Recessed Mounting Kit for LED Panels and Troffers

NPD-14RFK/W 1' x 4', White
NPD-22RFK/W 2' x 2', White
NPD-24RFK/W 2' x 4', White

The white finished flange kit consist of four pieces. The assembled frame installs into a hard ceiling. The LED panel or center basket troffer lifts and shifts in the frame ending in a finished flush appearance.

COMPATIBLE SERIES:
 NPD and NPTCB



Universal Pendant Mounting Kit for LED Panels

NPD-PK Canopy, cords & cables

Allows LED panel to be suspended as a pendant. Brushed aluminum finished canopy has four hanging points for 2x2 unit and six for 1x4 and 2x4 units. Grip lock fasteners allow field adjustment of cables from 12" to 96". Canopy includes an 8' power cord that can be shortened in the field. Pendant kit may be used with surface frame as shown above.

COMPATIBLE SERIES:
 NPD



3" and 4" Trim Rings

NR-3301 B, Z, C, CO, N, W
 3" Designer Metal Ring (1/2")
NOR-401 B, Z, W
 4" Oversize Metal Ring (7/8")
NR-401D B, C, G, N, W
 4" Die-Cast Metal Ring (5/8")
NR-401 B, Z, C, CO, N, W
 4" Designer Metal Ring (5/8")
NR-401P B, C, G, W
 4" Designer Plastic Ring (5/8")

Replaces trim ring for 3" or 4" line voltage and low voltage trims.



5" and 6" Trim Rings

NMOR-501 B, BZ, C, CO, G, N, W
 5" Oversize Metal (7/8")
NRA-106 B, G, W
 6" Plastic Ring for Arch. / Comm. (5/8")
NMOR-30 B, BZ, C, CO, G, N, W
 6" Oversize Metal Ring (7/8")
NOR-30 B, C, G, W
 6" Oversize Plastic Ring (7/8")
NMR-30 B, BZ, C, CO, G, N, W
 6" Designer Metal Ring (5/8")
NR-30 B, C, W
 6" Designer Plastic Ring (5/8")

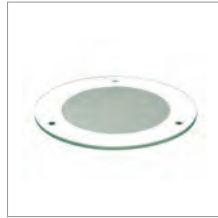
Replaces trim ring for 5" or 6" line voltage and low voltage trims.



4" Decorative Glass

NTG-4B/80 Blue w/Open Center
NTG-4CF Frost Center/Clear Outer
NTG-4FC Clear Center/Frost Outer
NTG-4HC Frost/Clear/Open Center

For use with 4" reflectors compatible with decorative glass. Includes glass hardware (NRA-203)



5" Decorative Glass

NTG-5B/80 Blue w/Open Center
NTG-5CF Frost Center/Clear Outer
NTG-5FC Clear Center/Frost Outer
NTG-5HC Frost/Clear/Open Center

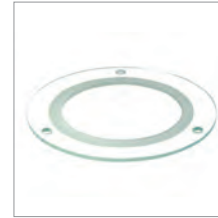
For use with 5" reflectors compatible with decorative glass. Includes glass hardware (NRA-203)



6" Decorative Glass

NTG-6B/120 Blue w/Open Center
NTG-6B/80 Blue w/Open Center
NTG-6CF Frost Center/Clear Outer
NTG-6FC Clear Center/Frost Outer
NTG-6HC Frost/Clear/Open Center

For use with 6" reflectors compatible with decorative glass. Includes glass hardware (NRA-203)



8" Decorative Glass

NTG-8B/167 Blue w/Open Center
NTG-8B/80 Blue w/Open Center
NTG-8CF Frost Center/Clear Outer
NTG-8FC Clear Center/Frost Outer
NTG-8HC Frost/Clear/Open Center

For use with 8" reflectors compatible with decorative glass. Includes glass hardware (NRA-203)



Glass Hardware Kit

NRA-203
 Required to add a second layer of glass. One kit is included with each decorative glass.



Colored and Optical Filters

NM-100

FINISH: B, C, F, G, L, P, R, S, Y
LAMP TYPE: /MR16; /MR16; /PAR30; /470; /127; /128



MR16 Honeycomb

NT-362

Used to diffuse the glare caused by MR16 light sources.



Coil Springs

NRA-22

Replacement coil springs included with trims

RECESSED ACCESSORIES

LED & NON-LED HOUSING ACCESSORIES



Bar Hanger (Set of Two)
NRA-28/0.5IN 27" Flat
NRA-60 24-1/2" Adjustable
 For use with new construction housings



Channel Bar Hangers
NRA-38 25" / Set of Two
 For use with new construction frame-ins



Socket Bracket for Line Voltage
NRA-15 6" Adj. Socket Bracket
NRA-151 4" Socket for NS trims
 For use with line voltage housings and trims



Remodel Housing Clip
NRA-21
 Replacement housing clip for remodel housings



Magnetic Transformer w/ Junction Box Plate
NRA-6037 120V/12V
 Replacement 50W magnetic transformer for low voltage housings



Electronic Transformer w/ Junction Box Plate
NRA-6061 120V/12V
 Replacement 50W electronic transformer for low voltage housings



Socket Extender
NRA-10
 Medium base to medium base socket extender



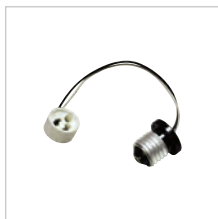
Eyeball Socket Adapter
NRA-11
 Medium base socket adapter for eyeball trims



Socket with Thermal Protector
NRA-14 6" Line Voltage
NRA-14/5 5" Line Voltage
 Replacement medium base socket with thermal protector for line voltage housings.



Low Voltage MR16 Socket with Leads
NRA-34 6" with no shield
NRA-36N 24" with shield
 Replacement GU5.3 socket for low voltage housings



GU10 Retrofit Socket
NRA-34/10 without lamp
 Converts medium base socket to GU10 socket.



Monopoint Track Adapter
NT-374B 4" Retrofit, Black
NT-374W 4" Retrofit, White
NT-376B 6" Retrofit, Black
NT-376W 6" Retrofit, White
 Converts medium base housing to track monopoint



Emergency Switch Plate
NEPKA-07LEDFPTS
 Replacement emergency test plate





MULTIPLE LIGHTING SYSTEM

Multiple Lighting System

FLANGED · TRIMLESS · NEW CONSTRUCTION · REMODEL

IOLITE MLS SERIES

Flanged and Trimless LED Multiples



Light Source: LED Dedicated
Lumen Output Per Head: 1000lm
Flanged or Trimless: Flanged and Trimless

Endless possibilities with Iolite Multiple's functionality and architectural aesthetics. Featuring Cree® COB technology with field adjustable beam spreads and a variety of reflector types. Each individual luminaire produces up to 1000 lumens in 2700K, 3000K, 3500K, 4000K, 5000K or 800lm with Comfort Dim technology. **IC Air-Tight** housings include individual drivers for each module. Reflector finishes include black, matte powder white and haze.

GIMBAL SERIES

Flanged LED Multiples



Light Source: LED Dedicated
Lumen Output Per Head: 850lm to 3000lm
Flanged or Trimless: Flanged

Gimbal Series features Comfort Dim LED technology producing up to 3000 lumens per head, or Cree® COB LED technology producing up to 2500 lumens per head. Color temperatures include 2700K, 3000K, 3500K, 4000K or Comfort Dim (2700-1800K) technology gradually warms the color temperature as it's dimmed. Housings are installed in new construction applications and trim includes a flange in black, silver or white finish.

M2 MLS SERIES

Flanged LED Multiples



Light Source: LED Dedicated
Lumen Output Per Head: 400lm to 1000lm
Flanged or Trimless: Flanged

Convert M2 LED recessed downlights into a modular M2 multiple lighting system. Round M2 LED downlights simply snap into the multiple lighting plate, allowing for individually addressing and customization. M2 MLS is **IC Air-Tight** rated and allows downlights to be converted into haze reflectors, baffle units or wall washers with optional accessories. Each individual M2 luminaire produces up to 1000 lumens in 2700K or 3000K @ 90+ CRI. Finishes include matte black or matte powder white.

PAR SERIES

Flanged Line Voltage Multiples



Light Source: Line Voltage
Wattage Per Head: 75W PAR30 or 150W PAR38
Flanged or Trimless: Flanged

PAR Series features three different trim types; PAR30 Eyeball, PAR30 Gimbal or PAR38 Gimbal. Specifiable from one lamp to three lamp housing and trim combinations. Luminaires are compatible with LED PAR30 or PAR38 lamps and can be factory labeled with reduced wattage. Housings are installed in new construction applications and trim includes a flange in black, silver or white finish.

PULL-DOWN SERIES

Trimless LED Multiples



Light Source: LED Dedicated
Lumen Output Per Head: 2100lm
Flanged or Trimless: Flanged or Trimless

Pull-Down Series allows each individual head to be adjusted and converted from recessed to semi-recessed. Each individual luminaire produces up to 2100 lumens in 2700K, 3000K, 3500K or 4000K @ 90+ CRI. Heads must be specified with spot or flood optics. Housings can be installed in new or remodel constructions. The Trimless look blends with the ceiling line with no visible flange. Accessories include a frame for new construction rough-in and a flange kit for applications where trimless does not work. Finishes include black or white.

PAR30 TRIMLESS SERIES

Trimless Line Voltage Multiples



Light Source: Line Voltage
Wattage Per Head: 75W PAR30 or 150W PAR38
Flanged or Trimless: Flanged or Trimless

PAR30 Trimless Series features a PAR30 Gimbal Lamp Holder in one lamp to three lamp housing and trim combinations. Luminaires are compatible with LED PAR30 lamps and can be factory labeled with reduced wattage. Housings can be installed in new or remodel constructions. The Trimless look blends with the ceiling line with no visible flange. Accessories include a frame for new construction rough-in and a flange kit for applications where trimless does not work. Finishes include black or white.

GIMBAL SERIES

Trimless LED Multiples



Light Source: LED Dedicated
Lumen Output Per Head: 2100lm
Flanged or Trimless: Flanged or Trimless

Gimbal Series produces up to 2100 lumens per head in 2700K, 3000K, 3500K or 4000K @ 90+ CRI. Heads must be specified with spot or flood optics. Housings can be installed in new or remodel constructions. The Trimless look blends with the ceiling line with no visible flange. Accessories include a frame for new construction rough-in and a flange kit for applications where trimless does not work. Finishes include black or white.

LOW VOLTAGE SERIES

Flanged Low Voltage Multiples



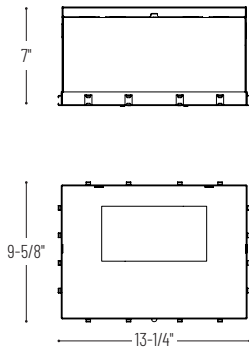
Light Source: Low Voltage
Wattage Per Head: 12V 50W MR16
Flanged or Trimless: Flanged

Low Voltage Series features five different trim types; Eyeball, Slot Aperture, Baffle Gimbal, Surface Gimbal or Front Loading Elbow. Specifiable from one lamp to three lamp housing and trim combination. 120V Electronic transformer is compatible with 12V LED MR16 lamps and can be factory labeled with reduced wattage. Housings are installed in new construction applications and trim includes a flange in black, silver or white finish. Finishes include black, silver or white.



IOLITE LED DEDICATED MLS

1000LM PER HEAD 1-3 INDEPENDENT TRIMS



NHMIOIC-11 / NMIOT-11
One Head Housing / (1) Trim



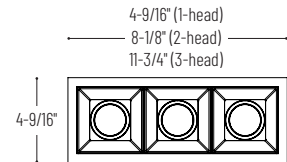
NHMIOIC-12 / NMIOT-12
Two Head Housing / (2) Trims



NHMIOIC-13 / NMIOT-13
Three Head Housing / (3) Trims



NMIOT-F Fix Downlight
NMIOT-A Adj. Snoot
NMIOT-W Wall Wash



IOLITE LED DEDICATED MULTIPLE LIGHTING IC HOUSING REQUIRES NMIOT TRIM

| SERIES / NUMBER OF HEADS | DRIVER / DIMMING |
|-------------------------------|---|
| NHMIOIC-11 One Head | -LE4 120-277V input; Triac / ELV / 0-10V dimming |
| NHMIOIC-12 Two Heads | |
| NHMIOIC-13 Three Heads | |

Example: **NHMIOIC-13-LE4** - Iolite Multiple Three Head LED Housing, 120-277V input
(Requires Iolite Multiple Three-Head Trim to complete housing)

IOLITE LED DEDICATED MULTIPLE LIGHTING TRIM REQUIRES NHMIOIC HOUSING

| FLANGE TYPE | NUMBER OF HEADS | FLANGE FINISH | TRIM TYPE | COLOR TEMP | LUMEN / WATTAGE | TRIM FINISH |
|--------------------------|----------------------|--------------------------------|---------------------------|-------------------------|---|--|
| NMIOT-1 Flanged | 1 One Head | (blank) Trimless | -A Adjustable | -27X 2700K | -10 1000lm / 12W per head (800lm w/Comfort Dim) | -B Black |
| NMIOTL-1 Trimless | 2 Two Heads | -B Black | -F Fixed Downlight | -30X 3000K | | -BMPW Black / Matte Powder White (Fixed only, other trims will be MPW) |
| | 3 Three Heads | -MPW Matte Powder White | -W Wallwash | -35X 3500K | | -HZ Haze |
| | | | | -40X 4000K | | -MPW Matte Powder White |
| | | | | -50X 5000K | | |
| | | | | -CDX Comfort Dim | | |

Example: **NMIOT-13-MPW-AAF-30X-10-MPW** - Three Head Iolite Multiple, Matte Powder White Flange, Adjustable Snoot-Fixed-Adjustable Snoot, 3000K, 1000lm / 12W per head, Matte Powder White finish

Endless possibilities with Iolite multiple's functionality and architectural aesthetics. Iolite multiple recessed family consist of one to three independently adjustable heads, variety of beam distributions and multiple reflector options. Iolite multiple series is a perfect solution for most retail, hospitality and commercial applications.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage: 1000lm / 12W per head (Comfort Dim is 800lm per head). Delivered lumens will vary depending on reflector, CCT, beam spread and finish.

Color Temperature: 2700K, 3000K, 3500K, 4000K, 5000K

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C to 45°C

Dimming: Triac, ELV or 0-10V

Comfort Dim: Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve. Available in 800lm only.

CUSTOMIZATION: Each head is interchangeable and include (3) field changeable optics for customization. Each module has a dedicated driver, allowing for independent control and dimming.

HOUSING: Housing is IC Air-Tight rated for direct contact with insulation. The housing has complete access to drives and junction box from below the ceiling.

FLANGED/TRIMLESS: Trims can be specified with a flanged or trimless appearance. Trimless mud plate allows for a premium finishing technique with minimalist appearance.

TRIM: Each trim assembly includes three optics (flood 60° installed, narrow flood 38° and spot 25°) and quick connect for easy installation. Trim options include a fixed snoot, adjustable snoot (20° adj.) and wall wash. Premium TIR optics are available in 15° and 25° beam spreads.

TRIM PACKAGE: Flange in black or matte powder white to trim cut-out, separate trims with LED modules as specified and 3 optics. Trim/Modules can be aligned in any order in the field. I.E. for a 3 head with (2) fixed and (1) adj. snoot, specify AFF.

LISTING & WARRANTY:

- cULus Listed for Damp Location
- ENERGY STAR® certified
- 5-Year Limited Warranty
- Can be used to comply with 2016 Title 24 High Efficacy LED light source requirements





M2 LED DEDICATED MLS

400 TO 1000LM PER HEAD 1-3 INDEPENDENT TRIMS



NM2-MLS2MPW / NM2-2RG / NM2-2RDC
M2 MLS Plate / Adjustable Gimbal / Downlight



NM2-2R270
2" Round Elbow



NM2-2RG
2" Round Adjustable Gimbal



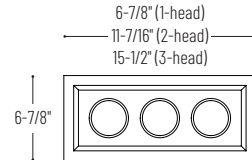
NM2-2RDC
2" Round Downlight



NM2-2RDCS
2" Round Shower



NM2-2RDC / NM2-2BAF
2" Downlight w/ Baffle



M2 MULTIPLE LIGHTING PLATE REQUIRES NM2 DOWNLIGHTS

| SERIES / NUMBER OF HEADS | FINISH |
|----------------------------|-------------------------------|
| NM2-MLS1 One Head | BB Matte Black |
| NM2-MLS2 Two Head | MPW Matte Powder White |
| NM2-MLS3 Three Head | |

Example: **NM2-MLS2MPW** - M2 Multiple Two-Head Plate (requires two M2 LED luminaires to complete)

M2 LED MINI RECESSED DOWNLIGHT REQUIRES NM2-MLS PLATE

| TYPE | LUMENS / WATTAGE | COLOR TEMP / CRI | FINISH |
|---|------------------------|--------------------------|-------------------------------|
| NM2-2RG 2" Round Gimbal ¹ | 40 400lm / 6W | 27 2700K / 90 CRI | BB Matte Black |
| NM2-2RDC 2" Round Downlight | 60 600lm / 8W | 30 3000K / 90 CRI | MPW Matte Powder White |
| NM2-2RDCS 2" Round Shower (Wet) ¹ | 10 1000lm / 15W | | |
| NM2-2R270 2" Round Elbow ² | | | |

Example: **NM2-2RDC6030MPW** - Mini 2" Downlight, 600lm / 8W, 3000K / 90 CRI, Matte Powder White (Specify a quantity of two to complete above two head plate)

¹ Available in 400lm & 600lm only ² Elbow is available in 400lm only

Convert M2 LED recessed downlights into a modular M2 multiple lighting system. M2 LED downlights simply snap into the multiple lighting plate, allowing for individually addressing and customization. M2 MLS is IC Air-Tight rated and allows downlights to be converted into haze reflectors, baffle units or wall washers with optional accessories. M2 multiple can be specified in one to three heads.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage:

400lm / 6W, 600lm / 8W or 1000lm / 15W per head

Color Temperature: 2700K or 3000K

Color Rendering Index: 90+ CRI

Dimming: Triac or ELV

CUSTOMIZABLE: Each head can accept any round M2 LED luminaire. NM2-2RDC can be converted into baffle, pinhole or wall wash with optional accessories.

INSTALLATION: Each M2 LED luminaire includes a pre-wired junction box with quick connector to LED fixtures. After wiring junction boxes, install M2 multiple lighting plate and install LED fixtures for a clean appearance.

LISTING & WARRANTY:

- cETus Listed for Damp Location
- ENERGY STAR® certified
- 5-Year Limited Warranty
- Meets or exceeds ASTM-283 Air-Tight Requirements FCC compliant
- Can be used to comply with 2016 Title 24 High Efficacy LED light source requirements



Optional Accessories

| | |
|--------------------------|-----------------------------------|
| NM2-2REFL(finish) | Reflector Insert for NM2-2RDC |
| NM2-2BAF(finish) | Baffle Insert for NM2-2RDC |
| NM2-2RPH(finish) | Round Pinhole Trim for NM2-2RDC |
| NM2-2RW(finish) | Round Wall Wash Trim for NM2-2RDC |

Finish: B Matte Black; HZ Haze (NM2-2REFL only); MPW Matte Powder White

| | |
|------------------|-----------------------------------|
| NM2-EW-4 | 4' Quick Connect Extension Cable |
| NM2-EW-10 | 10' Quick Connect Extension Cable |



TRIMLESS PULL-DOWN LED DEDICATED MLS

1-3 ADJUSTABLE HEADS 2100LM PER HEAD



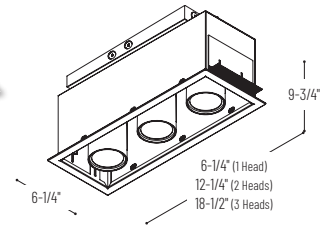
NMRTLGPD-11
One Head
(shown with optional flange kit)



NMRTLGPD-12
Two Heads
(shown with optional flange kit)



NMRTLGPD-13
Three Heads



TRIMLESS PULL-DOWN LED DEDICATED **MULTIPLE** HOUSING AND LED MODULE(S) INCLUDED

| SERIES / NUMBER OF HEADS | VOLTAGE | LUMENS / WATTAGE PER HEAD | COLOR TEMP | BEAM SPREAD | FINISH |
|--------------------------------|--------------------|---------------------------|------------------------------------|---------------------------------|----------------------------------|
| NMRTLGPD-11 One Head | D6 120-277V | L20 2100lm / 30W | 27 2700K | S Spot F Flood | B Black W White |
| NMRTLGPD-12 Two Heads | | | 30 3000K | | |
| NMRTLGPD-13 Three Heads | | | 35 3500K 40 4000K | | |

Example: **NMRTLGPD-12D6L2035FB** - Trimless Multiple Two-Head LED Pull-Down, 120-277V input; 0-10V dimming, 2100lm / 30W per head, Flood Beam Spread, Black finish

Multi-lamp functionality and architectural aesthetics define the LED Pull-Down Multiple Lighting System. This recessed family of fixtures is available in one to three lamp linear configurations and can be installed in new or remodel construction. Each LED module can remain in the housing or be pulled down partially or completely to gain full adjustability in aiming the fixture. The Trimless look blends with the ceiling line with no visible flange. Accessories include a frame for new construction rough-in and a flange kit for applications where trimless does not work.

ELECTRICAL:

Voltage: 120-277V

Lumens / Wattage: 2100lm / 30W per head

Color Temperature: 2700K, 3000K, 3500K, 4000K

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C to 45°C

Dimming: 0-10V

ADJUSTABILITY: 359° horizontal and 85° vertical adjustment when fully extended. Each head can be pulled down or adjusted individually.

INSTALLATION: The housing can be installed in existing drywall ceilings or can be roughed-in for new construction with optional frame-in. Housing comes standard with mud ring for trimless installation, optional flange kit is available.

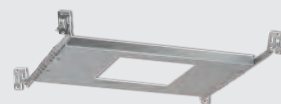
MINIMUM CLEARANCES: Non-Insulated housings require a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

LISTING & WARRANTY:

- cULus Listed for Damp Location
- ENERGY STAR® certified
- 5-Year Limited Warranty



TRIMLESS ACCESSORIES



New Construction Frame-Ins

NMRTL-F1 1-Head Frame for Trimless MLS

NMRTL-F2 2-Head Frame for Trimless MLS

NMRTL-F3 3-Head Frame for Trimless MLS



Flange Kit

Fixture remains open-faced, but has a flange for applications not requiring a total trimless look.

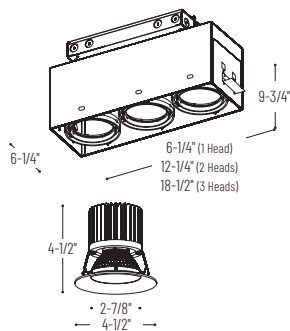
NMRTL-1FK (B/W) 1-Head Flange Kit for for Trimless MLS (Black or White finish)

NMRTL-2FK (B/W) 2-Head Flange Kit for for Trimless MLS (Black or White finish)

NMRTL-3FK (B/W) 3-Head Flange Kit for for Trimless MLS (Black or White finish)

TRIMLESS GIMBAL LED DEDICATED MLS

2100LM PER HEAD 1-3 ADJUSTABLE HEADS



NMRTL-11 / (1) NMRT-652TL
One Head Housing / (1) Module



NMRTL-12 / (2) NMRT-652TL
Two Head Housing / (2) Modules



NMRTL-13 / (3) NMRT-652TL
Three Head Housing / (3) Modules

TRIMLESS GIMBAL LED DEDICATED MULTIPLE LIGHTING HOUSING REQUIRES NMRT-652TL LED MODULE(S)

| SERIES / NUMBER OF HEADS | VOLTAGE | LUMENS / WATTAGE PER HEAD | FINISH |
|----------------------------|--------------------|---------------------------|----------------------------------|
| NMRTL-11 One Head | D6 120-277V | L19 2100lm / 30W | B Black W White |
| NMRTL-12 Two Head | | | |
| NMRTL-13 Three Head | | | |

Example: **NMRTL-13D6L19W** - Trimless Multiple Three-Head LED Housing, 120-277V input; 0-10V dimming, White finish (Requires three LED modules below to complete housing)

TRIMLESS GIMBAL LED DEDICATED MULTIPLE LIGHTING MODULE REQUIRES NMRTL-6 HOUSING

| SERIES / LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | FINISH |
|--------------------------------|-----------------|-------------------|-------------------------------------|
| NMRT-652TL 2100lm / 30W | 27 2700K | (blank) 40° Flood | BLK Black WH White |
| | 30 3000K | S 15° Spot | |
| | 35 3500K | | |
| | 40 4000K | | |

Example: **NMRT-652TL35WH** - 2100lm LED Module, 3500K, 40° Flood Beam Spread, White finish (Specify a quantity of three to complete above three head housing)

Available in one to three light linear configurations, Trimless Gimbal MLS LED dedicated fixtures offer 2100 lumen output in 2700, 3000, 3500, and 4000K temperatures per module. The fixture is open-faced to maintain a clean ceiling appearance. Module finishes are white or black. The units are completely serviceable from below and available in universal 120-277V input. They can be wired as a single complete unit or as two to three individually controlled or dimmed modules.

ELECTRICAL:

Voltage: 120-277V

Lumens / Wattage: 2100lm / 30W per head

Color Temperature: 2700K, 3000K, 3500K, 4000K

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C to 45°C

Dimming: 0-10V

ADJUSTABILITY: 359° horizontal and 35° vertical adjustment. Each head can be adjusted individually. Flexibility allows you to specify a different color temperature or beam spread for each position.

INSTALLATION: The housing can be installed in existing drywall ceilings or can be roughed-in for new construction with optional frame-in. Housing comes standard with mud ring for trimless installation, optional flange kit is available.

MINIMUM CLEARANCES: Non-Insulated housings require a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

LISTING & WARRANTY:

- cULus Listed for Damp Location
- ENERGY STAR® certified
- 5-Year Limited Warranty



TRIMLESS ACCESSORIES

New Construction Frame-Ins



NMRTL-F1 1-Head frame for Trimless MLS

NMRTL-F2 2-Head frame for Trimless MLS

NMRTL-F3 3-Head frame for Trimless MLS

Flange Kit

Fixture remains open-faced, but has a flange for applications not requiring a total trimless look.



NMRTL-1FK (B/W) 1-Head Flange Kit for Trimless MLS (Black or White finish)

NMRTL-2FK (B/W) 2-Head Flange Kit for Trimless MLS (Black or White finish)

NMRTL-3FK (B/W) 3-Head Flange Kit for Trimless MLS (Black or White finish)

COMFORT DIM FLANGED GIMBAL LED MLS

1-3 ADJUSTABLE HEADS 850LM TO 3000LM PER HEAD



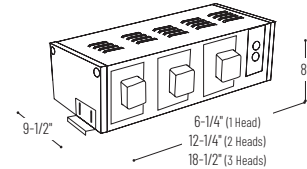
NMRG-11 / NMRT-1F1
One Head Housing / Flat Face



NMRG-12 / NMRT-12
Two Head Housing / Regress Face



NMRG-13 / NMRT-13
Three Lamp Head / Regress Face



Width does not include Driver
Length does not include Adjustable Brackets

FLANGED GIMBAL COMFORT DIM LED MULTIPLE LIGHTING HOUSING REQUIRES NMRT-1 TRIM

| SERIES / NUMBER OF HEADS | LED MODULE | VOLTAGE | LUMENS / WATTAGE PER HEAD |
|----------------------------|-----------------------------------|--|---|
| NMRG-11 One Head | C Comfort Dim (2700-1800K) | 1 120V input; ELV for 850-1250lm 0-10V for 2000-3000lm 2 277V input; 0-10V 4 120V input; ELV for 2000-3000lm 0-10V for 850-1250lm | L85 850lm / 11W L12 1250lm / 16W L20 2000lm / 25W L30 3000lm / 37W |
| NMRG-12 Two Heads | | | |
| NMRG-13 Three Heads | | | |

Example: **NMRG-12CL85** - Flanged Two-Head Multiple Lighting Housing, Cree Comfort Dim LED, 120V input; ELV dimming, 850lm / 11W per head

Note: 2000lm and 3000lm Comfort Dim drivers are labeled for 42W

FLANGED GIMBAL COMFORT DIM LED MULTIPLE LIGHTING TRIM REQUIRES NMRG-1 HOUSING

| SERIES | NUMBER OF HEADS | LUMENS / WATTAGE PER HEAD | COLOR TEMP | FACE / FLANGE FINISH |
|----------------------------|--|---|------------------------------------|---|
| NMRT-1 Regress Face | 1 One 2 Two 3 Three | L85 850lm / 11W L12 1250lm / 16W L20 2000lm / 25W L30 3000lm / 37W | CD Comfort Dim (2700-1800K) | BW Black / White SS Silver / Silver WW White / White |
| NMRT-1F* Flat Face | | | | |

Example: **NMRT-12L85CDWW** - Flanged Regressed Face, Two-Heads, 850lm / 11W per head, Comfort Dim, White Face / White Flange

* Flat face plate available in White/White finish only.

Flanged Gimbal LED dedicated MLS is available in one to three light linear configurations and features Cree TrueWhite® Comfort Dim modules. The MLS face plate is regressed to maintain a clean ceiling appearance. For a more modern aesthetic, a flat face plate is also available in white only. The regress face plate is offered in white/white, white/black, and silver/silver finishes. The units are completely serviceable from below and can be specified in either 120V or 277V. MLS LED can be wired as a single complete unit or as two to three individually controlled or dimmed modules.

ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage Per Head:

850lm / 11W, 1250lm / 16W,
2000lm / 25W, 3000lm / 37W

Color Temperature: Comfort Dim (2700K-1800K)

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C to 45°C

Dimming: ELV or 0-10V

COMFORT DIM: Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve.

ADJUSTABILITY: 350° horizontal and 40° vertical adjustment. Each head can be adjusted individually.

INSTALLATION: Universal brackets accept 25" C-Channel Bar Hangers (NRA-38), 27" flat bar hangers (NRA-28), 24-1/2" bar hangers with captive nails (NRA-60), or simple rigid 1/2" steel conduit for tie-down to ceilings grids.

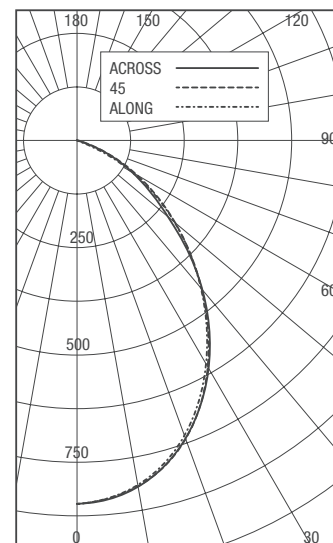
MINIMUM CLEARANCES: Non-Insulated housings require a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

LISTING & WARRANTY:

- cULus Listed for Damp Location
- 5-Year Limited Warranty



NMRG-11D1L20 / NMRT-11L2030WW



FLANGED GIMBAL SPECIFIABLE BEAM SPREAD LED MLS

900LM TO 2500LM PER HEAD 1-3 ADJUSTABLE HEADS



Width does not include Driver
Length does not include Adjustable Brackets

NMRG2-11 / NMRT2-1F1
One Head Housing / Flat Face

NMRG2-12 / NMRT2-12
Two Head Housing / Regress Face

NMRG2-13 / NMRT2-13
Three Lamp Head / Regress Face

FLANGED GIMBAL LED DEDICATED MULTIPLE LIGHTING HOUSING REQUIRES NMRT2-1 TRIM

| SERIES / NUMBER OF HEADS | VOLTAGE | LUMENS / WATTAGE PER HEAD |
|-----------------------------|---|---------------------------|
| NMRG2-11 One Head | D3 120V input; Triac/ELV dimming | L09 900lm / 15W |
| NMRG2-12 Two Heads | D6 120-277V input; 0-10V dimming | L15 1500lm / 18W |
| NMRG2-13 Three Heads | | L25 2500lm / 30W |

Example: **NMRG2-12D3L25** - Flanged Two-Head Multiple Lighting Housing, 120V input; Triac/ELV dimming, 2500lm / 30W per head

FLANGED GIMBAL LED DEDICATED MULTIPLE LIGHTING TRIM REQUIRES NMRG2-1 HOUSING

| SERIES | NUMBER OF HEADS | LUMENS / WATTAGE PER HEAD | COLOR TEMP | BEAM SPREAD | FACE / FLANGE FINISH |
|-----------------------------|-----------------|---------------------------|-----------------|-----------------|---------------------------|
| NMRT2-1 Regress Face | 1 One | L09 900lm / 15W | 27 2700K | S Spot | BW Black / White |
| NMRT2-1F* Flat Face | 2 Two | L15 1500lm / 18W | 30 3000K | M Medium | SS Silver / Silver |
| | 3 Three | L25 2500lm / 30W | 35 3500K | F Flood | WW White / White |
| | | | 40 4000K | | |

Example: **NMRT2-12L2527FWW** - Flanged Regressed Face, Two-Heads, 2500lm / 30W per head, 2700K, Flood Beam Spread, White Face / White Flange

* Flat face plate available in White/White finish only.

Flanged Gimbal LED dedicated MLS is available in one to three light linear configurations and features Cree® COB technology with specifiable beam spreads. The MLS face plate is regressed to maintain a clean ceiling appearance. For a more modern aesthetic, a flat face plate is also available in white only. The regress face plate is offered in white/white, white/black, and silver/silver finishes. The units are completely serviceable from below and can be specified in either 120V or 277V. MLS LED can be wired as a single complete unit or as two to three individually controlled or dimmed modules.

ELECTRICAL:

Voltage: 120V or 120-277V

Lumens / Wattage Per Head:

900lm / 15W, 1500lm / 18W, 2500lm / 30W

Color Temperature: 2700K, 3000K, 3500K, 4000K

Color Rendering Index: 90+ CRI

Beam Spread: Spot, Narrow Flood, Flood

Operating Temperature: 0°C to 45°C

Dimming: Triac, ELV or 0-10V

BEAM SPREAD: Multiple lighting system allows for better optic control offering 3 beam spreads. Beam spreads focus the light down to the work plane from high ceiling application.

ADJUSTABILITY: 350° horizontal and 40° vertical adjustment. Each head can be adjusted individually.

INSTALLATION: Universal brackets accept 25" C-Channel Bar Hangers (NRA-38), 27" flat bar hangers (NRA-28), 24-1/2" bar hangers with captive nails (NRA-60), or simple rigid 1/2" steel conduit for tie-down to ceilings grids.

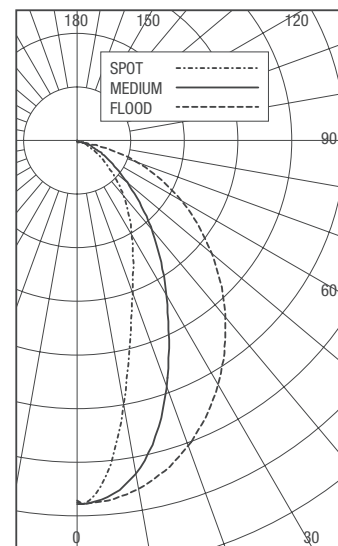
MINIMUM CLEARANCES: Non-Insulated housings require a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

LISTING & WARRANTY:

- cULus Listed for Damp Location
- 5-Year Limited Warranty



Beam Spread Distributions



FLANGED LINE VOLTAGE MLS

1-3 ADJUSTABLE HEADS LED COMPATIBLE



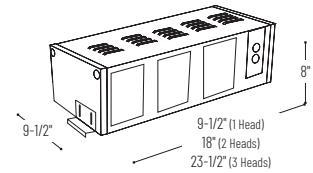
NMRI-11 / NMRT-1F1653
One Head Housing
Flat Face with PAR38 Gimbal



NMRI-12 / NMRT-12652
Two Head Housing
Regress Face with PAR30 Gimbal



NMRI-13 / NMRT-13628
Three Head Housing
Regress Face with PAR30 Eyeball



Length does not include Adjustable Brackets

FLANGED GIMBAL LINE VOLTAGE MLS HOUSING REQUIRES NMRT-1 TRIM

| SERIES / NUMBER OF HEADS | INPUT VOLTAGE | LAMP TYPE | MAX WATTAGE PER HEAD ¹ |
|----------------------------|----------------|----------------|-----------------------------------|
| NMRI-11 One Head | N1 120V | 0 PAR30 | 75¹ 75W |
| NMRI-12 Two Heads | | 8 PAR38 | 150¹ 150W |
| NMRI-13 Three Heads | | | |

Example: **NMRI-12N1075** - Flanged Two-Head Multiple Lighting Housing, 120V input, PAR30, 75W max.

¹ Custom wattage labeling available by factory; example: **NMRI-12N1030** - Line Voltage, Two-Heads, 120V, PAR30, 15W max per head

FLANGED GIMBAL LINE VOLTAGE MLS TRIM REQUIRES NMRI-1 HOUSING

| SERIES / FACE TYPE | NUMBER OF HEADS | LAMP TYPE / TRIM TYPE | FACE/FLANGE FINISH |
|----------------------------|----------------------|--------------------------|--|
| NMRT-1 Regress Face | 1 One Head | 628 PAR30 Eyeball | BW Black/White |
| NMRT-1F* Flat Face | 2 Two Heads | 652 PAR30 Gimbal | SS Silver/Silver WW White/White |
| | 3 Three Heads | 653 PAR38 Gimbal | |

Example: **NMRT-1F2628WW** - Flanged Flat Face, Two-Heads, PAR30 Eyeball, White / White

* Flat face plate only available in White/White & PAR30

LED Compatible Line Voltage MLS fixtures can be used in commercial, hospitality and retail applications. MLS fixtures allow a single ceiling opening to have one to three independently adjustable heads. The housings can be installed in drywall, plaster and suspended ceilings.

FEATURES:

- Can be factory labeled with reduced wattage to meet watts per square ft. requirements
- Adjustable socket for various lamp lengths
- Lamps independently adjustable to 40° with 350° rotation
- Lower installation and maintenance costs
- Architecturally appealing with regressed or flat face for finished look
- Regress face finishes: white face and fixture with white flange; black face and fixture with white flange; silver face and fixture with silver flange
- Flat face finishes: white

ELECTRICAL:

Voltage: 120V
Socket: Medium base
Wattage: 75W or 150W max.
(Can be factory labeled with reduced wattage)
Lamp Type: PAR30 or PAR38

ADJUSTABILITY: 350° horizontal and 40° vertical adjustment. Each head can be adjusted individually.

INSTALLATION: Universal brackets accept 25" C-Channel Bar Hangers (NRA-38), 27" flat bar hangers (NRA-28), 24-1/2" bar hangers with captive nails (NRA-60), or simple rigid 1/2" steel conduit for tie-down to ceilings grids.

MINIMUM CLEARANCES: Non-Insulated housings require a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

LISTING

cULus Listed for Damp Location



628
PAR30 Eyeball
75W max.



652
PAR30 Gimbal
75W max.



653
PAR38 Gimbal
150W max.

TRIMLESS LINE VOLTAGE MLS

LED COMPATIBLE 1-3 ADJUSTABLE HEADS



NMRT-652TL
Trimless Lamp Holder
(Lamp not included)



NMRTLI-11
Single Lamp Housing



NMRTLI-12
Two Lamp Housing



NMRTLI-13
Three Lamp Housing

TRIMLESS GIMBAL LINE VOLTAGE MLS HOUSING REQUIRES NMRT-652TL LAMP HOLDER(S)

| SERIES / NUMBER OF HEADS | INPUT VOLTAGE | LAMP TYPE | MAX WATTAGE PER HEAD ¹ | FINISH |
|------------------------------|----------------|----------------|--|----------------------------------|
| NMRTLI-11 One Head | N1 120V | O PAR30 | 75 75W | B Black W White |
| NMRTLI-12 Two Heads | | | 50 50W | |
| NMRTLI-13 Three Heads | | | 25 25W 20 20W 15 15W 10 10W | |

Example: **NMRTLI-12N1075B** - Trimless Two-Head Multiple Lighting Housing, 120V, PAR30, 75W, Black

¹ Custom wattage labeling available by factory. NMRTLI-12N1020W - Two-Heads, 120V, PAR30, 10W max per head

TRIMLESS GIMBAL PAR30 LAMP HOLDER REQUIRES NMRTLI-1 HOUSING

| SERIES | FINISH |
|----------------------------|-------------------------------------|
| NMRT-652TL Trimless | BLK Black WH White |

Example: **NMRT-652TLBLK** - Single PAR30 Lamp Holder, Black Finish.
(Specify a quantity of two to complete example above two-head housing)

LED Compatible Line Voltage MLS fixtures can be used in commercial, hospitality and retail applications. MLS fixtures allow a single ceiling opening to have one to three independently adjustable trims. The housings can be installed in drywall, plaster, and suspended ceilings.

FEATURES:

- Can be factory labeled with reduced wattage to meet watts per square ft. requirements
- Adjustable socket for various lamp lengths
- Lamps independently adjustable to 40° with 350° rotation
- Lower installation and maintenance costs
- Architecturally appealing trimless look
- Includes mud-in rings
- Can be installed as a remodel or new construction
- Optional new construction frame-in available
- Finishes include White and Black

ELECTRICAL:

Voltage: 120V
Socket: Medium base
Wattage: 10W to 75W, must specify
(Can be factory labeled with reduced wattage)
Lamp Type: PAR30

ADJUSTABILITY: 350° horizontal and 40° vertical adjustment. Each head can be adjusted individually.

INSTALLATION: Housing comes prepared for remodel trimless installations. New construction frame-in and flanged kits are available. Frame-ins include 24-1/2" bar hangers with captive nails.

MINIMUM CLEARANCES: Non-Insulated housings require a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

LISTING

cULus Listed for Damp Location



TRIMLESS ACCESSORIES

LINE VOLTAGE MLS



New Construction Frame-Ins

- NMRTL-F1** 1 Head frame for Trimless MLS
- NMRTL-F2** 2 Head frame for Trimless MLS
- NMRTL-F3** 3 Head frame for Trimless MLS



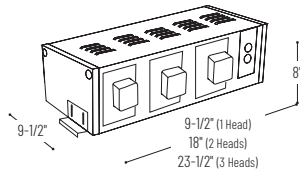
Flange Kit

Fixture remains open-faced, but has a flange for applications not requiring a total trimless look.

- NMRTL-1FK (B/W)** 1 Head Flange Kit for Trimless MLS (Black or White finish)
- NMRTL-2FK (B/W)** 2 Head Flange Kit for Trimless MLS (Black or White finish)
- NMRTL-3FK (B/W)** 3 Head Flange Kit for Trimless MLS (Black or White finish)



FLANGED LOW VOLTAGE MLS LED COMPATIBLE 1-3 ADJUSTABLE HEADS



Width does not include transformer
Length does not include Adjustable Brackets



NMRL-11 / NMRT-11463
One Head Housing
with Baffled Gimbal



NMRL-12 / NMRT-12463
Two Head Housing
with Baffled Gimbal



NMRL-13 / NMRT-13418
Three Head Housing
with Eyeball

FLANGED LOW VOLTAGE MLS HOUSING REQUIRES NMRT-1 TRIM

| SERIES / NUMBER OF HEADS | TRANSFORMER | LAMP TYPE | MAX. WATTAGE PER HEAD |
|----------------------------|---------------------------|---------------|-----------------------|
| NMRL-11 One Head | E1 120V Electronic | 6 MR16 | 50 50W |
| NMRL-12 Two Heads | E2 277V Electronic | | 25 25W |
| NMRL-13 Three Heads | M1 120V Magnetic | | 20 20W |
| | M2 277V Magnetic | | 15 15W |
| | | | 10 10W |

Example: **NMRL-13E1650** - Flanged Three-Head Multiple Lighting Housing, 120V Electronic Transformer, 50W MR16 max. per head

FLANGED LOW VOLTAGE MLS TRIM REQUIRES NMRL-1 HOUSING

| SERIES / FACE TYPE | NUMBER OF HEADS | LAMP TYPE / TRIM TYPE | FACE/FLANGE FINISH |
|----------------------------|----------------------|-----------------------------|---|
| NMRT-1 Regress Face | 1 One Head | 418 Eyeball | BW Black/White SS Silver/Silver WW White/White |
| | 2 Two Heads | 445 Slot Aperture | |
| | 3 Three Heads | 463 Baffle Gimbal | |
| | | 465 Surface Gimbal | |
| | | 470 Front Load Elbow | |

Example: **NMRT-13463WW** - Regressed Face, Three-Heads, Baffle Gimbal, White / White

Low Voltage MLS fixtures can be used in commercial, hospitality and retail applications. MLS fixtures allow a single ceiling opening to have one to three independently adjustable heads. The housings can be installed in drywall, plaster and suspended ceilings.

FEATURES:

- Can be factory labeled with reduced wattage to meet watts per square ft. requirements
- Lamps independently adjust
- Lower installation and maintenance costs
- Architecturally appealing with regressed or flat face for finished look

INSTALLATION: Universal brackets accept 25" C-Channel Bar Hangers (NRA-38), 27" flat bar hangers (NRA-28), 24-1/2" bar hangers with captive nails (NRA-60), or simple rigid 1/2" steel conduit for tie-down to ceilings grids.

ELECTRICAL:

Input Voltage: 120V or 277V input
Output Voltage: 12V
Transformer: Electronic or Magnetic
Socket: GU5.3
Wattage: 10W to 50W, must specify
Lamp Type: MR16

ADJUSTABILITY: 350° horizontal adjustment, see trims for vertical adjustment. Each head can be adjusted individually.

MINIMUM CLEARANCES: Non-Insulated housings require a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

LISTING

cULus Listed for Damp Location



418
Eyeball
32° adjustment



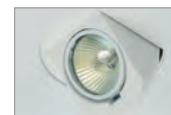
445
Slot Aperture
35° adjustment



463
Baffle Gimbal
35° adjustment



465
Surface Gimbal
35° adjustment



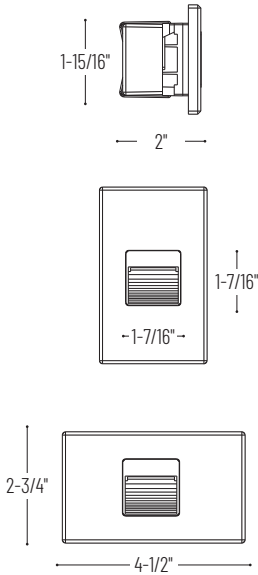
470
Elbow
90° adjustment



STEP LIGHTING

LED STEP LIGHTS

ARI STEP LIGHTS



NSW-720
Interchangeable Face Plate

NSW-730
Vertical Face Plate

NSW-740
Horizontal Face Plate

ARI LED STEP LIGHTS

| FRAME TYPE | COLOR TEMP / CRI | FINISHES |
|--|---------------------------|--------------------------|
| NSW-720 2.5W Ari Step Light with Interchangeable Face Plate (Horizontal and Vertical) | /30 3000K / 90 CRI | BN Brushed Nickel |
| NSW-730 2.5W Ari Step Light with Vertical Face Plate | /40 4000K / 90 CRI | BZ Bronze |
| NSW-740 5W Ari Step Light with Horizontal Face Plate | | W White |

Example: **NSW-720/30W**- Ari LED Step Light with Interchangeable Face Plate, 3000K, White finish

Long lasting, energy efficient LED step lights provide illumination for safety around steps, balcony areas, or walkways. Efficient LED light sources are low maintenance and savings over 80% in running costs when compared to 10W incandescent step lights.

ELECTRICAL:

- Voltage:** 120V
- Color Temperature:** 3000K or 4000K
- Color Rendering Index:** 90+ CRI
- Wattage:** 2.5W or 5W
- Driver:** Integrated, embedded non-dimmable driver
- Life Expectancy:** 30,000 hours at L70
- Dimming:** Non-Dimmable

BODY: Sturdy 0.09" galvanized steel housing with lens. Driver has separate compartment.

INSTALLATION: Easily installs in a standard single gang switch box.

FACE PLATE: Powder coated face plate is constructed of die-cast aluminum.

FINISHES: Brushed Nickel, Bronze and White

LISTING

- cETLus Listed for Wet Location
- 5-Year Limited Warranty
- OSHA Compliant



LED STEP LIGHTS

MIA DIE-CAST MINI STEP LIGHT



NSW-641/30BZ
NSW-671/30BZ

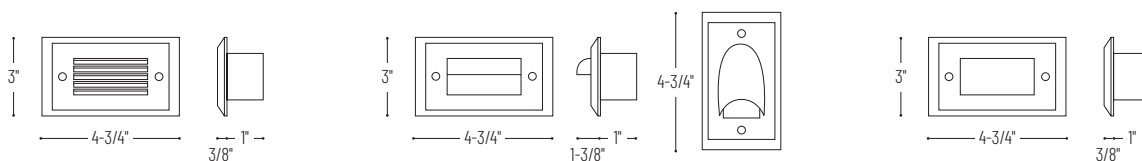
NSW-674/30W

NSW-643/30BZ
NSW-673/30BZ

NSW-675/30BN

NSW-672/30W

NSW-672/30W



MIA DIE-CAST ALUMINUM MINI LED STEP LIGHTS

| FACE PLATE / DESCRIPTION | FINISHES |
|--|--|
| NSW-641/30 Horizontal Louver, 120V Dimmable NSW-643/30 Horizontal Shroud, 120V Dimmable | BZ Bronze W White |
| NSW-671/30 Horizontal Louver, 120-277V Non-Dimmable NSW-672/30 Horizontal or Vertical Lensed, 120-277V Non-Dimmable NSW-673/30 Horizontal Shroud, 120-277V Non-Dimmable NSW-674/30 Vertical Louver, 120-277V Non-Dimmable NSW-675/30 Vertical Shroud, 120-277V Non-Dimmable | BN Brushed Nickel BZ Bronze W White |

Example: **NSW-671/30W** - Mia Die-Cast Mini LED Step Light with Horizontal Louver, 120-277V Non-Dimmable, White finish

Mia LED Step Lights with die-cast face plates use the latest in technology in solid state lighting. At only 1.5W, Mia step light delivers an ambient 74 lumens. Mia Step Lights are available with louvered, lensed, or shroud face plates and can be easily installed in a standard single gang switch box. Ideal for hallways, entrances, stairways, wall bases, or any indoor or outdoor application requiring a low profile, recessed fixture.

ELECTRICAL:

Voltage: 120-277V Non-Dimmable or 120V Dimmable

Color Temperature: 3000K

Wattage: 1.5 Watts

Life Expectancy: 50,000 Hours at L70

Driver: Integral Driver

LED SOURCE: Twelve LEDs offer a total load of 1.5W. Optional blue, red or amber LEDs available, consult factory.

INSTALLATION: Mounts in standard single gang box (by others). Includes stainless steel screws and decorative matching screw caps for mounting. IP65 rated when used with watertight junction box and gasket.

CONSTRUCTION: Die cast aluminum face plates mounts to a heavy duty sealed polycarbonate LED Module.

FACE PLATES: Available in horizontal or vertical shroud or louver. Lensed face plate can be mounted vertically or horizontally.

FINISHES: Brushed Nickel, Bronze, and White

LISTING & WARRANTY:

- cULus Listed for Wet Location
- IP65 Rated (when used with watertight junction box and gasket)
- 3 Year Limited Warranty



LED STEP LIGHTS

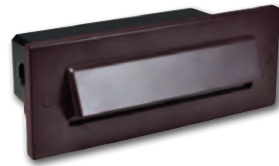
BRICK STEP LIGHTS



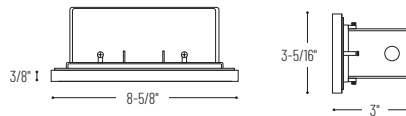
NSW-841/32W
NSW-851/32W
shown with NSW-800



NSW-842/32BN
NSW-852/32BN
shown with NSW-800



NSW-843/32BZ
NSW-853/32BZ
shown with NSW-800



BRICK LED STEP LIGHTS

FACE PLATE / DESCRIPTION each face includes LED driver and requires an NSW-800 housing, ordered separately

FINISHES

NSW-841/32 Louver, 120V Dimmable
NSW-842/32 Lensed, 120V Dimmable
NSW-843/32 Shroud, 120V Dimmable

BN Brushed Nickel
BZ Bronze
W White

NSW-851/32 Louver, 120-277V Non-Dimmable
NSW-852/32 Lensed, 120-277V Non-Dimmable
NSW-853/32 Shroud, 120-277V Non-Dimmable

BN Brushed Nickel
BZ Bronze
W White

NSW-800 Wet Label housing (Required for each face plate, ordered separately)

NRA-6301 24-1/2" Adjustable bar hanger kit (Set of 2; includes housing bracket)

Example: NSW-852/32W + NSW-800 - Brick Light, Lensed Face Plate, White finish and Housing

LED Brick Lights can be used indoors or outdoors to efficiently illuminate a change in elevation, provide a path of light, light a staircase or act as a safety night light. The architectural louvered and shroud die-cast aluminum face plate creates a beautiful non-glare source of LED light to guide the way.

ELECTRICAL:

Voltage: 120-277V Non-Dimmable or 120V Dimmable

Color Temperature: 3000K

Wattage: 4 Watts

Life Expectancy: 50,000 Hours at L70

Driver: Integral Driver

LED SOURCE: Twenty four LEDs offer a total load of 4W.

INSTALLATION: Brick LED step lights require wet label housing, specify NSW-800. Adjustable 24-1/2" bar hanger kit available, specify NRA-6301. IP65 rated when used with wet label housing (NSW-800).

CONSTRUCTION: Die cast aluminum face plates mounts to a heavy duty sealed polycarbonate LED Module.

FACE PLATES: Available in shroud, louver or lensed face plate.

FINISHES: Brushed Nickel, Bronze, and White

LISTING & WARRANTY:

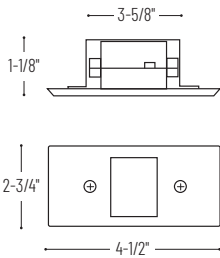
- cULus Listed for Wet Location
- IP65 Rated (when used with NSW-800)
- 3 Year Limited Warranty





LED STEP LIGHTS

MINI STEP LIGHT OPTIONAL PHOTOCELL



NSW-6619W

NSW-6619PC/BZ

NSW-6629PC/BN

NSW-6629W

Mini LED Step Lights use the latest technology in solid state lighting. The energy saving photocell option allows the step light to turn on in the dark and off in the morning or at presence of light. Mini Step Lights are available with louvered or lensed face and can be easily installed in a standard single gang switch box. Louvered unit includes both a horizontal and vertical louver. Use in hallways, entrances, stairways, wall bases, or any indoor application requiring a low profile, recessed fixture.

FEATURES:

- Louvered or lensed face plate
- 1W (standard) or 0.7W (photocell)
- 3000K color temperature
- Optional photocell
- 120V Non-Dimmable driver
- cULus Listed for Wet Location



MINI LED STEP LIGHTS

| FACE PLATE | | FINISHES |
|--------------------|---|--------------------------|
| NSW-6619 | Louver Face Plate (includes Horizontal and Vertical) | BN Brushed Nickel |
| NSW-6619PC/ | Louver Face Plate with Photocell (includes Horizontal and Vertical) | BZ Bronze |
| NSW-6629 | Lensed Face Plate | W White |
| NSW-6629PC/ | Lensed Face Plate with Photocell | |

Example: **NSW-6619PC/BN** - Mini LED Step Light with Louvered Face Plate and Photocell, Brushed Nickel finish

LED STEP LIGHTS

FACE PLATE

- NSI-601** Louver Face Plate, White
- NSI-601BZ** Louver Face Plate, Bronze
- NSI-602** Frosted Lens Face Plate, White
- NSI-602BZ** Frosted Lens Face Plate, Bronze

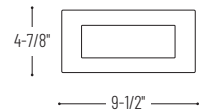
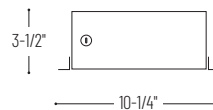
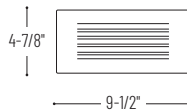
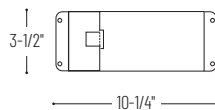
Example: **NSI-601** - LED Step Light, White finish



NSI-601



NSI-602



Bright, energy efficient LED light sources provide a 30,000 hour life and are maintenance free. For outdoor applications, Nora has added both a louver lensed face and tempered glass face with gaskets that are UL Wet Location listed. The light source is shielded for excellent glare control. Use in hallways, entrances, stairways, wall bases, or any indoor application requiring a low profile, recessed fixture.

ELECTRICAL:

- Voltage:** 120V
- Wattage:** 2W
- Color Temperature:** 3000K
- Dimming:** Non-Dimmable Integral Driver

HOUSING: Sturdy galvanized steel construction, white power coated housing. Side brackets for mounting to dry wall. Driver has separate compartment.

JUNCTION BOX: Prewired junction box contains three 1/2" knockouts for easy wiring.

INSTALLATION: Side brackets accept 5/8" drywall and include bar hanger brackets that accept bar hangers for installing to joist or stud constructions (ordered separately).

LISTING & WARRANTY:

- cULus Listed for Wet Location
- IP65 Rated (when used with watertight junction box and gasket)
- 3 Year Limited Warranty





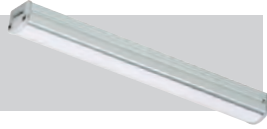
LINEAR / ACCENT

Linear / Accent

UNDER CABINET · TAPE LIGHT · NICHE · PUCK LIGHT · DRIVERS & TRANSFORMERS

SILK SBC LIGHTBAR

LED Linear



Light Source: LED
Lumen Output Per Foot: 350lm
Input Voltage: 24V System

24V Silk SBC LED Lightbar produces an incredible 350+ lumens per foot while consuming only 5W at 90+ CRI. The Silk SBC LED Lightbar eliminates the diode image to provide uniform reflectance of light without the hot spots generated by direct view mounted LEDs. The Solid Bus Connectors (SBC) provide a rigid connection between bars, while the flush mount adjustable mounting brackets allow complete zero to 90-degree adjustment. Silk features an ultra low-profile and is available in five lengths.

LEDUR & LEDUR TW

LED Under Cabinet



Light Source: LED
Lumen Output Per Foot: 350lm
Input Voltage: 120V System

LEDUR series of under cabinet lighting is now available in Tunable White version that allows the end user to select between kelvin temperatures at time of installation with a three-position switch. LEDUR's built in LED driver, captive mounting screws, and large knockout plate in the back makes LEDUR easy to install in new and retrofit applications. A heavily frosted lens diffuses the LED image and softens the light output. Available in multiple sizes, two finishes, tunable white or designated CCT at 350+ Lumens per foot and 90+ CRI.

BRAVO FROST TW

Tunable White LED Linear



Light Source: LED
Lumen Output Per Foot: 800lm to 870lm
Input Voltage: 120V System

Low profile LED Bravo FROST TW offers a diode image-free linear lighting solution for residential and commercial use. Less than 1" in depth and width, luminaires can be installed under cabinets, within shelves and displays cases, and architectural coves. Bravo FROST TW offers over 800 lumens and 10W per foot at 90+ CRI. An encapsulated 120V dimmable LED driver in each unit allows extended runs and easier installation. An internal heavily-frosted lens eliminates the LED image and softens the light output, and 0° to 90° adjustable mounting brackets are included.

NULS-LED SERIES

LED Linear



Light Source: LED
Lumen Output Per Foot: 525lm
Input Voltage: 120V System

Low profile slim under cabinet fixtures ranging from 10" to 45". NULS LED is an economical way to provide linear lighting in under cabinet, cove or general lighting applications. Luminaire offers over 500 lumens and 5W per foot in white finish. 3-Wire system meets most code requirements. Providing bright even illumination the NULS LED is a perfect solution for energy efficient linear lighting.

TAPE LIGHTS

Flexible LED Linear



Light Source: LED
Lumen Output Per Foot: 70lm to 350lm
Input Voltage: 12V or 24V System

Nora Lighting offers one of the largest selections of LED tape light in the industry. Tape light options include RGBW, Color Tuning, High Output, Side-Lit and Comfort Dim. The selection includes a wide variety of outputs and a large selection of installation accessories for large and small jobs. LED tape's small profile, even light distribution and low cost make it the specifier's and lighting designer's choice for lighting applications from A to Z.

M1 SERIES

1" Mini LED Down / Niche / Accent Light



Light Source: LED
Lumen Output: 100lm
Input Voltage: 12V System

M1 miniature IC rated series features quality and convenience with easy installation for indoor & outdoor applications. Luminaires include four plastic downlight trims, three optics and 6" quick connect. Series is available in four color temperatures (2700K, 3000K, 3500K or 4000K) and requires a 12VDC driver.

JOSH SERIES

LED Puck Light



Light Source: LED
Lumen Output: 300lm
Input Voltage: 12V System

Josh LED Puck Light is ideal for accent, under cabinet, in cabinet, display cases, niche, and other applications with limited space. These low-profile fixtures can be spaced together to provide excellent and even illumination on all surfaces. Josh may be recess or surface mounted with included surface mount housing. The Josh LED Puck Light produces no diode image, eliminates forward heat and has no UV or infrared rays to harm artwork, retail displays or heat sensitive foods. The LED Josh Puck produces more light than a traditional 20 watt xenon or halogen puck while consuming only 4.5 Watts.

MINI RECESSED

Low Voltage Puck Light & Recessed



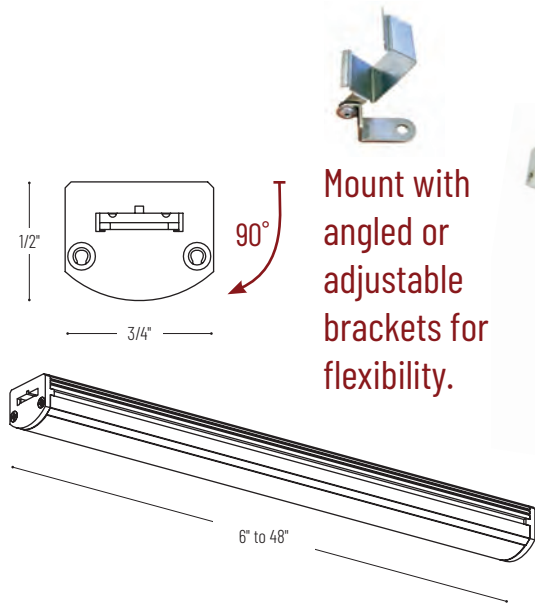
Light Source: Low Voltage
Lamp Types: Xenon, MR11 or MR16
Input Voltage: 12V System

Mini Recessed Series consists of a variety of low voltage puck lights and miniature MR11 or MR16 recessed. Puck lights can be installed as a surface mount or recessed luminaire. Mini halogen recessed accept MR11 or MR16 lamps up to 20W and require a remote transformer. A selection of adjustable, baffle and open downlight trims are available.



SILK SBC LED LIGHTBARS

24V LED LIGHTBAR



Mount with angled or adjustable brackets for flexibility.



SILK SBC LED LIGHTBAR

| CATALOG NO. | LENGTH | LIGHT SOURCE | COLOR TEMP / CRI | FINISH |
|---------------|---------------|--------------|----------------------------|---|
| NULB-8 | 06 6" | LED | 927 2700K / 90+ CRI | A Aluminum B Black (special order) |
| | 12 12" | | 930 3000K / 90+ CRI | |
| | 24 24" | | 940 4000K / 90+ CRI | |
| | 36 36" | | | |
| | 48 48" | | | |

Example: **NULB-824LED930A**- 24" Silk SBC Lightbar, 3000K / 90+CRI, Aluminum finish

24V Silk SBC LED Lightbar produces an incredible 350+ lumens per foot while consuming only 5W at 90+ CRI. The Silk SBC LED Lightbar eliminates the diode image to provide uniform reflectance of light without the hot spots generated by direct view mounted LEDs. The Solid Bus Connectors (SBC) provide a rigid connection between bars, while the flush mount adjustable mounting brackets allow complete zero to 90-degree adjustment. Silk features an ultra low-profile and is available in five lengths. Luminaire can be used in under cabinet, in cabinet, cove, display, and general commercial, retail and residential lighting applications.

ELECTRICAL:

Voltage: 24V
Lumens / Wattage Per Foot: 350lm / 5W
Color Temperature: 2700K, 3000K, 4000K
Color Rendering Index: 90+ CRI
Dimming: Specified by driver
Max Run Length: 20'

INCLUDED WITH EVERY LIGHTBAR:

- (1) End to End Connector (NAL-800)
- (2-3) Flat Mounting Clips (NAL-801)
- (2-3) 0°-90° Adjustable Mounting Clips (NAL-809)

6", 12", 24" Silk Lightbars include two clips;
 36" and 48" Silk Lightbars include three clips

HOUSING: Solid aluminum extrusion with flush mounted end caps.

MOUNTING: Each Lightbar includes flat and adjustable mounting clips allowing aiming angles from 0° to 90°. Additional angled or 180° adjustable mounting clips are available, see accessories.

FINISH: Natural Aluminum or Black (special order)

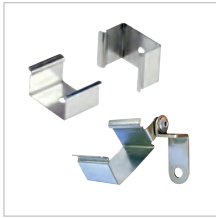
LISTINGS & WARRANTY:

- cULus Listed for Dry Location
- ENERGY STAR certified
- 5-Year Limited Warranty



SILK SBC LED LIGHTBAR

ACCESSORIES



Mounting Clip

NAL-801 Flat Mount
NAL-809 0-90°+ Adj. Mount

Flat and 0-90° Adjustable clips included with each lightbar. Set of two or three.



Mounting Clip

NAL-845 45° Mount



Mounting Clip

NAL-880 0-180° Adj. Mount



Interlink SBC Solid Bus Connector

NAL-800

Included with each lightbar



Flex SBC Interconnection Cable

NAL-802W 2"
NAL-806W 6"
NAL-812W 12"
NAL-824W 24"
NAL-872W 72"

White finish



SBC Power Line Cable

NAL-808/24W 24"
NAL-808/72W 72"

White finish



SBC Power Line Cable

NAL-810/12W 12"
NAL-810/72W 72"

Open Wire, White finish



SBC Power Line Cable with Terminal Block

NAL-812TBW 12"
NAL-872TBW 72"

14AWG-22AWG, White finish



SBC Side Power Line Cable

NAL-807W 12"
NAL-807LW Left 12"
NAL-807/72W 72"
NAL-807/72LW Left 72"

White finish



SBC Side Power Line Cable

NAL-811/12W 12"
NAL-811/12LW Left 12"
NAL-811/72W 72"
NAL-811/72LW Left 72"

Open Wire, White finish



2' Wire Raceway

NATL-422B black
NATL-422W white

Field-cutttable plastic. Includes wire channel with double faced tape and cover.



In-Line Motion Sensor

NAL-830
L: 2.5", W: 0.75", H: 0.75"

12' Max activation distance; 20 second auto off; 120° detection zone; Max Load 4A



In-Line Touch Dimmer Control

NAL-855

Tap once for 100%, twice for 75%, third time for 50%, fourth for 25% and fifth for off. No power failure memory.

SILK SBC LED LIGHTBAR ACCESSORIES



NEXUS® All-in-One LED Driver and Dimmer

| | |
|-------------------------|--------------------------------------|
| NATL-SWEX100/24A | 100W |
| NATL-SWEX/3FP | 3 Face Plates (Almond, Brown, Black) |

Voltage: 120V/24V
Wattage: 100W
Dimming: Integral Dimmer
Description: Eliminates the driver and allows 120V input and 12V output from a single gang box. 100-5% dimming and on/off switch.



Direct Plug-In LED Driver

| | |
|--------------------|-----|
| NATL-524W | 24W |
| NATL-545W | 45W |
| NATL-545CPW | 45W |
| NATL-596W | 96W |

Voltage: 120V/24V
Wattage: 24W, 45W or 96W
Dimming: Non-Dimmable
Cable Length: See page 292 for details



Class II Hardwire LED Driver

| | |
|--------------------|------|
| NATL-5030HW | 30W |
| NATL-5060HW | 60W |
| NATL-5100HW | 100W |

Voltage: 120V/24V
Wattage: 30W, 60W or 100W
Dimming: Non-Dimmable
Includes: 10' Power Line Connector



Class II Hardwire LED Driver 0-10V dimming

| | |
|---------------------------|-----|
| NATL-5096-24-HWD10 | 96W |
|---------------------------|-----|

Voltage: 120-277V/24V
Wattage: 96W
Dimming: 0-10V
Includes: 10' Power Line Connector



Class II Hardwire LED Driver with Breakers, MLV dimming

| | |
|-----------------------|------|
| NMT-303/24C2D1 | 120V |
| NMT-303/24C2D2 | 277V |

Voltage: 120V or 277V/24V
Wattage: (3) 100W
Dimming: Magnetic Low Voltage
Includes: (3) 10' Power Line Connectors



Class II Hardwire LED Driver ELV dimming

| | |
|----------------------|-----|
| NATLED-5040HW | 40W |
| NATLED-5075HW | 75W |

Voltage: 120V/24V
Wattage: 40W or 75W
Dimming: Electronic Low Voltage
Includes: 10' Power Line Connector



Class II Hardwire LED Driver with Regulator, MLV dimming

| | |
|--------------------|-----|
| NMTD-60/24D | 60W |
| NMTD-96/24D | 96W |

Voltage: 120-277V/24V
Wattage: 60W or 96W
Dimming: Magnetic Low Voltage
Regulator: Integral regulator for constant current and voltage
Includes: 10' Power Line Connector



Power Line Connector

| | |
|-----------------|-----|
| NALTL-10 | 10' |
| NALTL-30 | 30' |

For use with Class II drivers. Carries output from driver, requires power line cable.



5' Power Line Splitter

| | |
|------------------|--|
| NATL-302W | |
|------------------|--|

Splits power line connector into two separate leads, requires power line cables.



In-Line Touch Dimmer

| | |
|------------------|--|
| NATL-518W | |
|------------------|--|

72W max., no power fail memory, touch on/off and hold to dim.



In-Line Motion Sensor

| | |
|-----------------|--|
| NAL-856W | |
|-----------------|--|

12' Max activation distance; 20 second auto off; 120° detection zone; Max Load 4A.



Low Voltage Splice Box

| | |
|------------------|--|
| NATL-415W | |
|------------------|--|

Use to join low voltage lead to power line cable.



16AWG In-Wall Rated Wire

| | |
|-----------------------|------------|
| NATL-W16-2-250 | 16AWG 250' |
| NATL-W16-2-20 | 16AWG 20' |

16 AWG low voltage Class II two-conductor, in-wall rated wire.

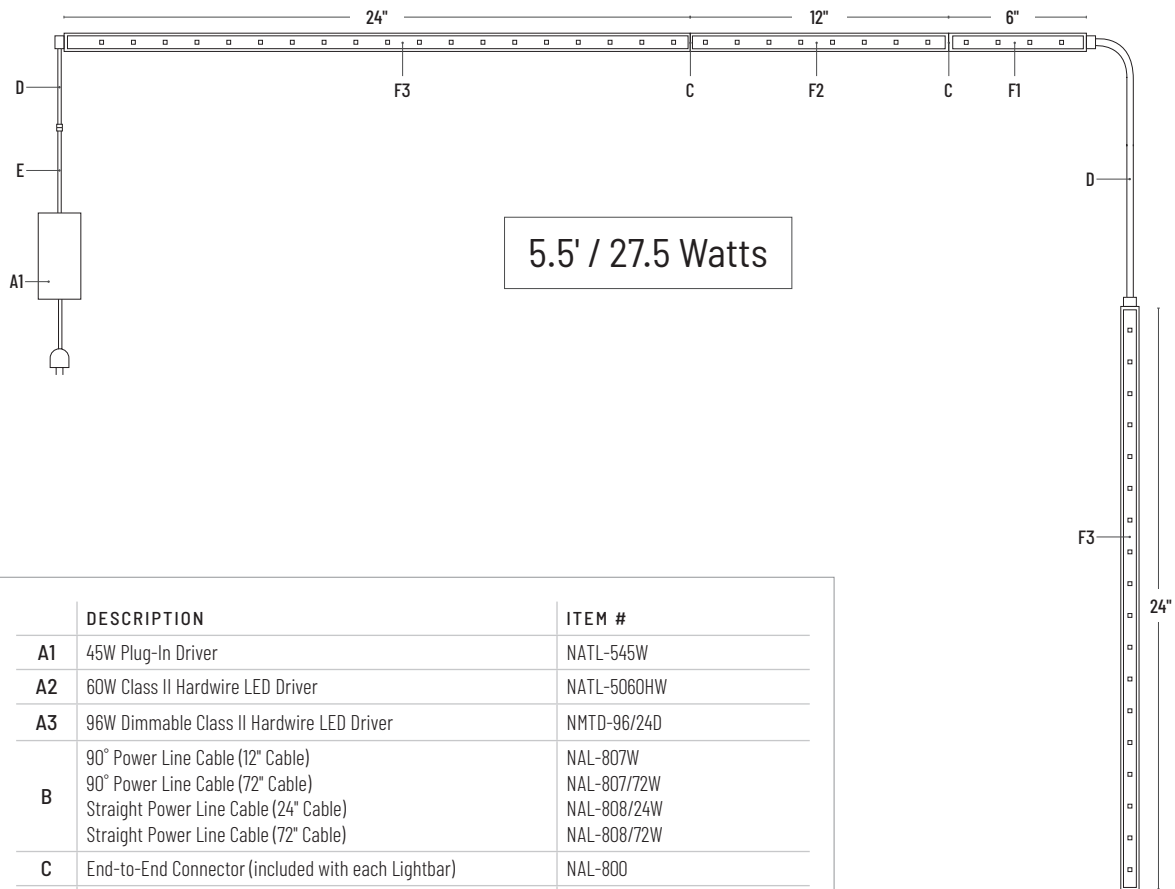


Terminal/Splitter Block

| | |
|-----------------|------------------------------------|
| NATL-407 | 4-Way 2-3/8"L x 1-1/8"W x 7/8"D |
| NATL-408 | 8-Way 4"L x 1-1/8"W x 7/8"D |

SILK SBC LED LIGHTBAR

SAMPLE LAYOUT

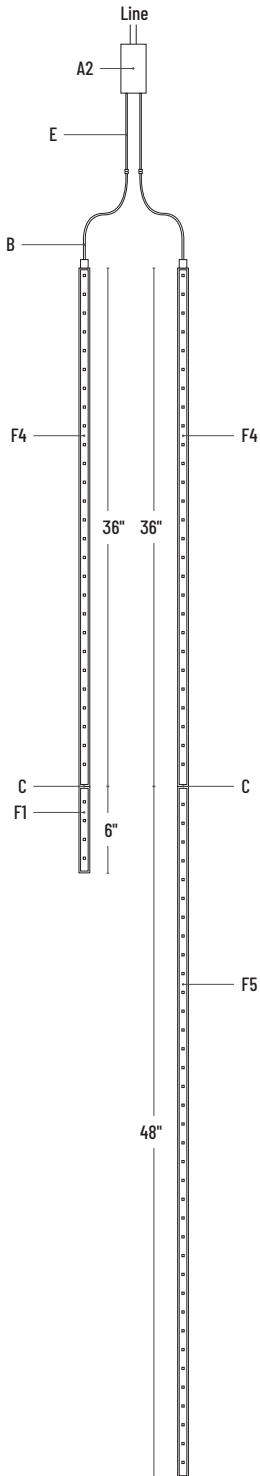


| | DESCRIPTION | ITEM # |
|----|---|------------------------------|
| A1 | 45W Plug-In Driver | NATL-545W |
| A2 | 60W Class II Hardwire LED Driver | NATL-5060HW |
| A3 | 96W Dimmable Class II Hardwire LED Driver | NMTD-96/24D |
| B | 90° Power Line Cable (12" Cable) | NAL-807W |
| | 90° Power Line Cable (72" Cable) | NAL-807/72W |
| | Straight Power Line Cable (24" Cable) | NAL-808/24W |
| | Straight Power Line Cable (72" Cable) | NAL-808/72W |
| C | End-to-End Connector (included with each Lightbar) | NAL-800 |
| D | 2" Interconnection Cable | NAL-802W |
| | 6" Interconnection Cable | NAL-806W |
| | 12" Interconnection Cable | NAL-812W |
| | 24" Interconnection Cable | NAL-824W |
| | 72" Interconnection Cable | NAL-872W |
| E | 10' Power Line Connector (one included with Class II drivers) | NALT-10 |
| | 30' Power Line Connector | NALT-30 |
| F1 | 6" LED Silk SBC Lightbar | NULB-806LED9(Kelvin)(Finish) |
| F2 | 12" LED Silk SBC Lightbar | NULB-812LED9(Kelvin)(Finish) |
| F3 | 24" LED Silk SBC Lightbar | NULB-824LED9(Kelvin)(Finish) |
| F4 | 36" LED Silk SBC Lightbar | NULB-836LED9(Kelvin)(Finish) |
| F5 | 48" LED Silk SBC Lightbar | NULB-848LED9(Kelvin)(Finish) |

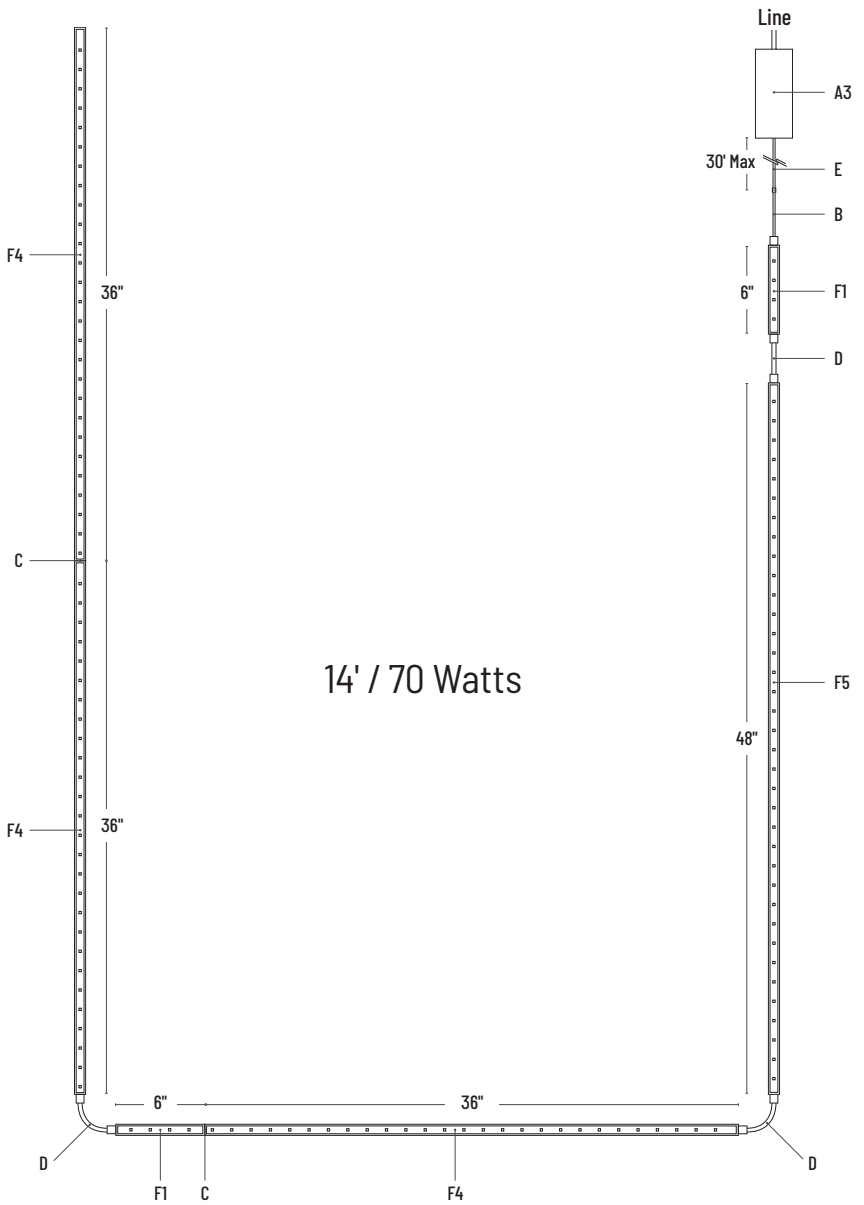
SILK SBC LED LIGHTBAR

SAMPLE LAYOUT

10.5' / 52.5 Watts

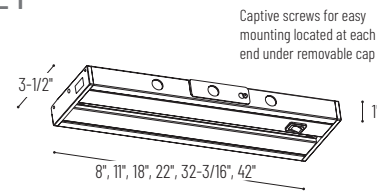


14' / 70 Watts



LED UNDER CABINET

LEDUR & LEDUR TW 120V EDGE-LIT UNDER CABINET



The LEDUR series of undercabinet lighting is now available in Tunable White version that allows the end user to select between kelvin temperatures at time of installation with a three-position switch. LEDUR's built in LED driver, captive mounting screws, and large knockout plate in the back makes LEDUR easy to install. A heavily frosted lens diffuses the LED image and softens the light output. Available in multiple sizes, two finishes, tunable white or designated CCT at 350+ Lumens per foot and 90+ CRI.

FEATURES:

- Designated CCT or Tunable White switch
- 350+ Lumens per foot
- 7 Watts average per foot
- 90+ CRI
- Frosted Lens / No Diode Image
- Dimmable
- Built-in On/Off switch
- White or Bronze finishes
- Less than 1" in depth
- Each unit can be hardwired with Romex feed
- Each unit includes Romex™ Connector
- Easy to mount with captive screws
- Linkable up to 400 Watts



LEDUR LED UNDER CABINET

| SERIES / LENGTH / WATTAGE | COLOR TEMP | FINISH |
|----------------------------|--------------------------------------|-------------------------------------|
| NUD-8808 8" / 4.5W | /27 2700K | BZ Bronze WH White |
| NUD-8811 11" / 6.7W | /30 3000K | |
| NUD-8818 18" / 11W | /40 4000K | |
| NUD-8822 22" / 12W | 4000K available in White finish only | |
| NUD-8832 32" / 16W | | |
| NUD-8842 42" / 20W | | |

Example: **NUD-8811/30WH**- 11" LEDUR Under Cabinet, 3000K, White finish

LEDUR TW TUNABLE WHITE LED UNDER CABINET

| SERIES / LENGTH / WATTAGE | COLOR TEMP | FINISH |
|------------------------------|---|---------------------------------------|
| NUDTW-8808 8" / 4.9W | (blank) 2700K, 3000K, 3500K 345 3000K, 4000K, 5000K (Built-in switch changes between kelvin temperatures) | /BZ Bronze /WH White |
| NUDTW-8811 11" / 6.7W | | |
| NUDTW-8818 18" / 11W | | |
| NUDTW-8822 22" / 12W | | |
| NUDTW-8832 32" / 16W | | |
| NUDTW-8842 42" / 16W | | |

Example: **NUDTW-8811/BZ**- 11" LEDUR TW Under Cabinet, 2700K-3000K-3500K, Bronze finish

LEDUR ACCESSORIES



NUD Series Junction Box

NUA-802 B or W

Hardwire box used to power NUD Series using NUA-806/812/824/872 Jumper Cables and NUA-804 Hardwire Connector.

L: 4" W: 1-3/4" H: 1"

Note: LEDUR NUD-88 Series can be direct wired into fixture.



NUD Series Hardwire Connector

NUA-804 B or W

3-Wire grounded connector/cable used to hardwire fixture to NUA-802.

NUD Series 72" Cord & Plug

NUA-805 B or W

Converts fixture from hardwire to direct plug-in units using connector pins on either end of fixture. Grounded plug.



Jumper Cable

NUA-806 6" B or W

NUA-812 12" B or W

NUA-824 24" B or W

NUA-872 72" B or W

Used to join fixtures together or to NUA-802.



End to End Connector

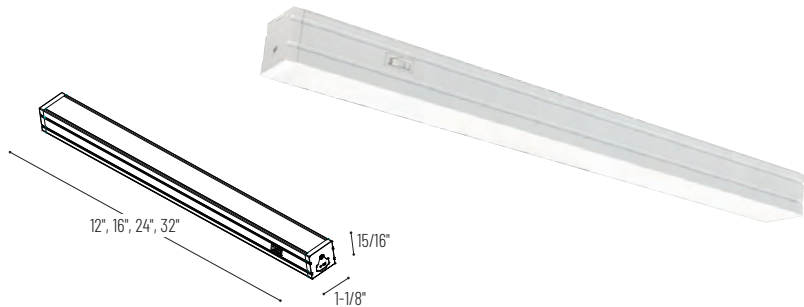
NUA-803

Use to join fixtures seamlessly together. 3-Wire grounded connector (one included with fixture).

LED LINEAR LIGHT

120V BRAVO FROST TUNABLE WHITE

Low profile LED Bravo FROST TW offers a diode image-free linear lighting solution for residential and commercial use. Less than 1" in depth, luminaires can be installed under cabinets, within shelves and displays cases, and architectural coves. Bravo FROST TW offers over 800 lumens and 10W per foot at 90+ CRI. An encapsulated 120V dimmable LED driver in each unit allows extended runs and easier installation. An internal heavily-frosted lens eliminates the LED image and softens the light output, and 0° to 90° adjustable mounting brackets are included.

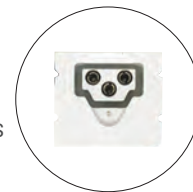


FEATURES:

- Architectural extruded aluminum construction
- Symmetrical internal reflectors produce broad, even light
- Frosted lens eliminates LED diode image
- 120V linear system
- 10W produces 800 to 870 lumens per foot
- 90+ CRI
- Selectable CCT - 3000K, 3500K or 4000K
- Dimmable
- Linkable up to 300 Watts (about 30ft.)
- Less than 1" depth
- Self contained electronic driver in each unit
- 0° to 90° adjustable mounting brackets included
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ENERGY STAR certified
- cULus Listed



90° Adjustability with included mounting brackets



3-wire system meets most code requirements

BRAVO FROST TUNABLE WHITE LED LINEAR

| SERIES / LENGTH / WATTAGE | COLOR TEMP | FINISH |
|-----------------------------|-------------------------------------|----------|
| NUDTW-9812 12" / 10W | (blank) Tunable 3000K, 3500K, 4000K | /W White |
| NUDTW-9816 16" / 13W | | |
| NUDTW-9824 24" / 20W | | |
| NUDTW-9832 32" / 26W | | |

Example: **NUDTW-9812/W** - 12" Bravo FROST Tunable White LED Linear, White finish



BRAVO FROST TUNABLE WHITE ACCESSORIES



Hardwire Junction Box

NUA-902W White

Junction box used to power Bravo FROST TW using jumper cable or NUA-604 (2-Wire Hardwire Connector).
L: 6-1/4" W: 3-5/8" H: 1"



72" 3-Wire Hardwire Connector

NUA-904W White

3-Wire connector used to hardwire fixture to NUA-902W (Junction Box).

72" Cord and Plug

NUA-905W White

6' Grounded AC power cord to connect fixture to an outlet.



Jumper Cables

NUA-903W end to end, White

NUA-906W 6", White

NUA-912W 12", White

NUA-924W 24", White

NUA-972W 72", White

Used to join two fixtures together or to NUA-902W (Junction Box).



Adjustable Mounting Brackets

NUA-609 set of 2 BZ or W

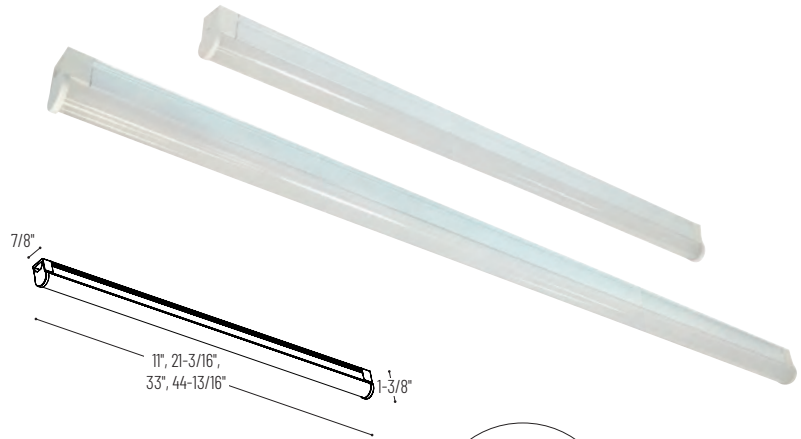
Set of two brackets used fixture between 0° to 90°. Two brackets are included with each fixture.



LED LINEAR LIGHT

120V NULS LED

Low profile slim under cabinet fixtures ranging from 10" to 45". NULS LED is an economical way to provide linear lighting in under cabinet, cove or general lighting applications. Luminaire offers over 500 lumens and 5W per foot in white finish. 3-Wire system meets most code requirements. Providing bright even illumination the NULS LED is a perfect solution for energy efficient linear lighting.



3-wire system meets most code requirements

FEATURES:

- Slim low profile construction
- Frosted lens eliminates LED diode image
- 120V linear system
- 525+ lumens / 5W per foot
- 80+ CRI
- 2700K, 3000K and 4000K
- Dimmable
- Linkable up to 120 Watts
- Only 1" width
- White finish
- Self contained electronic driver in each unit
- Mounting hardware and end-to-end connector included
- cULus Listed

NULS LED LINEAR

| SERIES / LENGTH / WATTAGE | COLOR TEMP | FINISH |
|-----------------------------|-----------------|----------------|
| NULS-LED10 11" / 4W | 27 2700K | W White |
| NULS-LED21 21" / 8W | 30 3000K | |
| NULS-LED33 33" / 10W | 40 4000K | |
| NULS-LED45 45" / 16W | | |

Example: **NULS-LED2130W**- 21" NULS LED Linear, Warm 3000K, White finish



NULS LED ACCESSORIES



Junction Box
NULSA-JBOX

Hardwire box used to power NULS-LED Series using Jumper Cables or NULSA-272-HWC Hardwire Connector.



72" Hardwire Connector
NULSA-106

3-Wire grounded connector/cable used to hardwire fixture to NULSA-JBOX.

72" Cord & Plug
NULSA-272-HWC

Converts fixture from hardwire to direct plug-in units, grounded plug.



Jumper Cable
NULSA-206

6"

NULSA-212

12"

NULSA-218

18"

Can be joined together for longer lengths

90° Jumper Cable

NULSA-206-90

6"

NULSA-212-90

12"

NULSA-218-90

18"



Magnetic Mounting Brackets

NULSA-MAGMC

Set of 2

Used to mount fixtures to metal surface

Hardware Kit
(included with each luminaire)

NULSA-MTGKIT

Hardware kit included with each luminaire. Consist of (2) mounting brackets and (1) end-to-end connector.



Ten Styles of LED Tape Light

LIGHTING DESIGN ONLY LIMITED BY YOUR IMAGINATION

Nora Lighting offers one of the largest selections of LED tape light in the industry. The selection includes a wide variety of outputs and a large selection of installation accessories for large and small jobs. LED tape's small profile, even light distribution and low cost make it the specifier's and lighting designer's choice for lighting applications from A to Z.

FEATURES

- Each tape roll includes power line connector
- Available in 10' (HO, RGBW), 16', 20' and 100' rolls
- No soldering / cuttable / 3M™ adhesive back
- Available in 90+ CRI
- Each tape roll consists of tape separable every 12" (except Comfort Dim and Continuous Roll, which are cuttable only)
- Available in 4", 6" (RGB + RGBW) and 12" sections (except Comfort Dim and Continuous Roll, which are available in rolls only)



SINGLE COLOR

1. STANDARD (SILICONE ENCAPSULATED)
NUTP1 SERIES 24V · NUTP4 SERIES 12V
70 LUMENS / 1.5W PER FOOT
2. STANDARD (NON-ENCAPSULATED)
NUTP7 SERIES 24V · 70 LUMENS / 1.65W PER FOOT
3. SIDE-LIT
NUTP9 SERIES 24V · 70 LUMENS / 1.5W PER FOOT
4. HY-BRITE
NUTP5 SERIES 24V · 200 LUMENS / 2.7W PER FOOT
5. HIGH OUTPUT
NUTP8 SERIES 24V · 350 LUMENS / 4.2W PER FOOT
6. CONTINUOUS ROLL
NUTP71 SERIES 24V · 80 LUMENS / 1.3W PER FOOT
NUTP51 SERIES 24V · 210 LUMENS / 2.7W PER FOOT
NUTP81 SERIES 24V · 310 LUMENS / 4.3W PER FOOT

MULTI COLOR

7. COMFORT DIM
NUTP12 SERIES 24V · 16' ROLL ONLY
170 LUMENS / 2.7W PER FOOT
8. RGB COLOR CHANGING
NUTP3 SERIES 24V · NUTP6 SERIES 12V
SILICONE ENCAPSULATED
9. RGBW COLOR CHANGING + WHITE
NUTP11 SERIES 24V · SEPARATE 30K DIODE
10. CCT COLOR TUNING
NUTP10 SERIES 24V · 2500K TO 4500K

LED TAPE LIGHT

RGB COLOR CHANGING 12V OR 24V

Create up to 16 colors!

Program a single stationary color or multiple transitioning colors. *Each RGB LED run requires a controller and driver/power supply.*



Cutttable every 3" (12V) or 6" (24V) at marked intervals

Tape Width: 9/16"
Tape Depth: 1/16"
Lengths: 16' Roll, 12" Section, 6" Section

RGB COLOR CHANGING LED TAPE LIGHT

| CATALOG NO. | LENGTH | TAPE COLOR | VOLTAGE | COLOR TEMPERATURE |
|---------------------------|-------------|------------|---------|--------------------|
| NUTP3-W16LEDRGB | 16' Roll | White | 24V | Color Changing RGB |
| NUTP3-W12LEDRGB/12 | 12" Section | White | 24V | |
| NUTP3-W6LEDRGB/6 | 6" Section | White | 24V | |
| NUTP6-16LEDRGB | 16' Roll | Amber | 12V | |
| NUTP6-12LEDRGB/12 | 12" Section | Amber | 12V | |
| NUTP6-6LEDRGB/6 | 6" Section | Amber | 12V | |

Example: **NUTP3-W16LEDRGB** - 24V RGB LED Tape Light, 16' roll

16' Tape Roll includes sixteen 12" sections. 12" and 6" Tape sections contain male/female ends.

FEATURES:

- 12V or 24V systems
- Separable every 12" - easily disconnected and connected without soldering
- Tape is silicone encapsulated for easy maintenance and durability
- Field cuttable every 3" using 12V and 6" using 24V
- 40W per roll - 2.5W per foot
- Primary Colors: Red, Green, and Blue
- Several colors or automated changing of visual spectrum can be selected and programmed
- Synchronizable
- 3 changeable brightness levels with hand held remote
- 192 LEDs per roll - 12 LEDs per foot
- 120° Beam Angle
- Easy to install with pre-applied 3M™ tape or accessories

RGB LED Tape Light has the colors Red, Green, and Blue in every LED diode. Several colors of visual spectrum can be selected and programmed with a 120° viewing angle. A stationary color, automatic changing colors and brightness can be selected and changed at anytime with the press of a button. Low profile RGB LED Tape Light is ideal for use in show exhibition lighting, architectural enhancements, bars, theaters, store fronts, or anywhere you need a punch of color.

Voltage: 12V or 24V

Wattage: 2.5W per foot

Light Source: 12 LEDs per foot

Color Temperature: Color Changing RGB

Maximum Run Length: 40' (24V) / 24' (12V)

CONSTRUCTION: The silicone encapsulated tape can be cut every 3" (12V) or 6" (24V) at marked intervals. Cutting does not effect circuit (shrink wrap tube included for concealment). RGB Tape Light is also separable every 12", each connection has pre-applied shrink wrap around connections. Simply slice the clear shrink wrap at each electrical connection, and separate pieces. This eliminates soldering when using partial rolls.

MOUNTING: Each RGB Tape Light section or roll comes with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardwire power supplies - see page 292.

CONTROLLER: Each run requires a controller, which can be linked together for color synchronization.

INCLUDED WITH TAPE LIGHT ROLL: Each Tape Light Roll includes: (1) 16' Tape Light Roll, (1) 12" power line interconnector and (15) clear acrylic clips.

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- 3 Year Limited Warranty



LED TAPE LIGHT ACCESSORIES RGB COLOR CHANGING



RGB 2.4G Full Color RF
Controller and Hand Held
Remote

NARGB-860/61

12V/24V controller is required for each RGB LED Tape Light run. Installs between the driver and the power line interconnector. The controller can be used to toggle between colors or changing modes.



RGB Controller

NARGB-760 24V Controller

NARGB-765 12V Controller

360W Max. A controller is required for each RGB LED Tape Light run. Installs between the driver and the power line interconnector. The controller can be used to toggle between colors or changing modes.



RGB Controller Hand Held
Remote

NARGB-761

Up to 22' away. Must be in direct view line of RGB controller to work correctly. Used to program RGB Tape Light run to certain color configurations.

Key Selections: Brightness, Colors, Color Changing - Flash, Strobe, Fade and Smooth Fade, On/Off

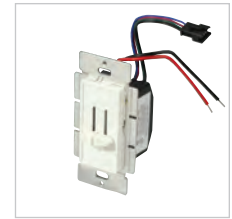


RGB Touch Pad Wall
Controller

NARGB-866

12V - 144W max or 24V - 288W max. Includes mounting back box. Requires driver.

Local control of RGB, select static colors, 4 changing modes, on/off with memory and dimming.



Spectrum Wall Slide Control

NARGB-875W

Dual-Slide controller for RGB tape. One slide control controls color and the other controls brightness with a positive off. Installs between driver and tape.



DMX Decoder for RGB

NATL-DMX-4C RGB only

20A Max. A DMX decoder or RGB controller is required for each RGB LED Tape Light run. Installs between the driver and the power line interconnector. The decoder requires a DMX controller (by others) to operate.



Controller Power Line
Connector

NARGB-762W 10'

NARGB-763W 30'

Replaces included 9-1/2" input wire, to allow for 30' or less length between controller and LED Driver.



12V & 24V Power Line
Interconnector

NARGB-710W 12" Cable

Connects tape light run to a controller.

Note: (1) NARGB-710 is included with every Tape Light roll. Use interconnection cables to increase length.



12V/24V Interconnection Cables

NARGB-702W 2" Cable

NARGB-706W 6" Cable

NARGB-718W 18" Cable

NARGB-736W 36" Cable

NARGB-772W 72" Cable

Allows easy linking of two Tape Lights sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



12V/24V Splitter Cables

NARGB-700W Y Splitter

NARGB-701W X Splitter

Allows splitting the Tape light from a run or driver into two (Y) or three (X) separate runs.



4' Channel

NATHR-680 aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Shallow Channel

NATL-C23A aluminum w/wing

NATL-C24A aluminum

NATL-C24B black

NATL-C24W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' Deep Channel

NATL-C25A aluminum w/wing

NATL-C26A aluminum

NATL-C26B black

NATL-C26W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' J-Style Channel

NATL-C27A aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Corner Channel

NATL-C28A aluminum

NATL-C28B black

NATL-C28W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.


LED TAPE LIGHT

RGBW COLOR CHANGING 24V

RGB color changing tape plus a separate 30K diode for quality usable white light

Program a single stationary color or multiple transitioning colors. *Each RGBW LED run requires a controller and driver/power supply.*





RGBW COLOR CHANGING LED TAPE LIGHT

| CATALOG NO. | LENGTH | TAPE COLOR | VOLTAGE | COLOR TEMPERATURE |
|------------------------|-------------|------------|---------|---|
| NUTP11-W10RGBW | 10' Roll | White | 24V | Color Changing RGB with dedicated 3000K diode |
| NUTP11-WR6BW/12 | 12" Section | White | 24V | |
| NUTP11-WR6BW/6 | 6" Section | White | 24V | |

Example: NUTP11-W10RGBW - 24V RGBW Color Changing LED Tape Light, 10' roll

10' Tape Rolls include ten 12" sections. 12" and 6" Tape sections contain male/female ends.

FEATURES:

- 350 Lumens per foot
- 90+ CRI
- 120 LEDs / 50W per roll - 18 LEDs / 5W per ft.
- 24V DC, 5-wire System
- Color Changing tape with a dedicated 3000K diode
- Synchronizable
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 6" - easily disconnected and connected without soldering
- Field cuttable every 6" or 6 LEDs
- 10' maximum run length
- Dimmable with dimmable power supply
- Easy to install with pre-applied 3M™ tape or accessories

RGBW tape takes the existing RGB (Red, Green, Blue) tape and adds a separate 30K diode for quality usable white light. The RGBW tape consumes 5 watts per foot with a bright 2.5 watts dedicated to the 30K chip and 2.5 watts dedicated to the RGB chip. The RGBW offers the flexibility to create pastel colors using the RGB at the same time as the white, as well as producing a high quality white light when needed, and the ability to change to RGB and color changing when the mode or application changes. The 5-wire system has a dedicated RF controller allowing flexibility during installation and a hand-held control with multiple functions.

ELECTRICAL:

Voltage: 24V DC input

Wattage: 5W per foot

Light Source: 12 Dual LEDs Per Foot

Color Temperature: Color Changing RGB with dedicated 3000K diode

Maximum Run Length: 10'

INCLUDED WITH TAPE LIGHT ROLL: Each Tape Light roll includes: (1) 10' Tape Light Roll, (1) 12" power line interconnector and (15) clear acrylic clips.

CONSTRUCTION: The tape is separable every 12", and can be cut every 6 LEDs at marked 6" intervals. Cutting does not effect circuit.

MOUNTING: Each Tape Light section or roll comes with with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardwire power supplies - see page 292.

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



LIGHTING TIP

RGBW LED Tape allows the user to select a beautiful bright 30K light for everyday use and then choose colors for special occasions.

LED TAPE LIGHT ACCESSORIES RGBW COLOR CHANGING



RGBW Full Color
RF Controller

NARGBW-965

360W Max. A controller is required for each RGBW LED Tape Light run. Installs between the driver and the power line interconnector. The controller can be used to toggle between colors or changing modes.



RGBW Controller Hand Held
Remote

NARGBW-967

Used to program RGBW tape light to certain color configurations. Can be used up to 22' from RGBW controller, must be in direct view.

Key Selections: Brightness, Colors, Color Changing - Flash, Strobe, Fade and Smooth Fade, On/Off



RGBW Touch Pad Wall
Controller

NARGBW-869

24V 16A max. Includes mounting back box. Requires driver.

Local control of RGBW, select static colors, 4 changing modes, 3000K LED on/off, ALL LEDs on/off with memory and dimming.



DMX Decoder

NATL-DMX-4C/RGBW

20A Max. A DMX decoder or RGBW controller is required for each RGBW LED Tape Light run. Installs between the driver and the power line interconnector. The decoder requires a DMX controller (by others) to operate.



Controller Power Line
Connector

NARGBW-962W

10'

NARGBW-963W

30'

Replaces included 9-1/2" input wire, to allow for a longer length between controller and LED Driver.



Power Line Interconnector

NARGBW-910W 12" Cable

Connects an RGBW controller. Note: (1) NARGBW-910 is included with every RGBW Tape Light roll. Use interconnection cables to increase length.



Interconnection Cables

NARGBW-902W 2" Cable
NARGBW-906W 6" Cable
NARGBW-918W 18" Cable
NARGBW-936W 36" Cable
NARGBW-972W 72" Cable

Allows easy linking of 2 RGBW Tape Lights sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Splitter Cables

NARGBW-900W Y Splitter
NARGBW-901W X Splitter

Allows splitting the Tape light from a run or driver into two (Y) or three (X) separate runs.



End Cap

NATL-403 Black
NATL-403W White

Shrink Wrap Tube

NATL-400 Pack of 5

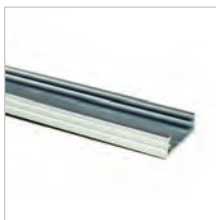
Seals connection made in the field. Necessary to maintain listing. Two shrink wrap tubes are included.



Clear Acrylic Mounting Clips

NATHR-685 Pack of 15

Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



4' Channel

NATHR-680 aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Shallow Channel

NATL-C23A aluminum w/wing
NATL-C24A aluminum
NATL-C24B black
NATL-C24W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' Deep Channel

NATL-C25A aluminum w/wing
NATL-C26A aluminum
NATL-C26B black
NATL-C26W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' J-Style Channel

NATL-C27A aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Corner Channel

NATL-C28A aluminum
NATL-C28B black
NATL-C28W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.

LED TAPE LIGHT

CCT COLOR TUNING 24V

Select the color temperature and intensity of light from Warm 2500K to Cool 4500K

Program a single stationary temperature or multiple transitioning temperatures. *Each run requires a controller and driver/power supply.*



Cuttable every 4" at marked intervals

Tape Width: 7/16"
Tape Depth: 1/16"
Lengths: 16' Roll, 12" Section, 4" Section

CCT COLOR TUNING 24V LED TAPE LIGHT

| CATALOG NO. | LENGTH | TAPE COLOR | VOLTAGE | COLOR TEMPERATURE |
|----------------|-------------|------------|---------|-----------------------------|
| NUTP10-W16CCT | 16' Roll | White | 24V | Color Tuning 2500K-4500K |
| NUTP10-WCCT/12 | 12" Section | White | 24V | |
| NUTP10-WCCT/4 | 4" Section | White | 24V | |

Example: NUTP10-W16CCT- 24V Color Tuning (2500K-4500K) LED Tape Light, 16' roll

16' Tape Rolls include sixteen 12" sections. 12" and 4" Tape sections contain male/female ends.

FEATURES:

- 288 LEDs / 40W per roll - 18 LEDs / 2.5W per ft.
- 24V DC System
- Change Kelvin temperature from 2500K-4500K with hand held remote, wall controller or Spectrum
- Synchronizable
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 4" or 6 LEDs
- 16' Maximum run length
- Dimmable with dimmable power supply
- Easy to install with pre-applied 3M™ tape or accessories

CCT Color Changing LED Light allows the end user to select from a 2500K to 4500K temperature with a handheld control. Different applications require different Kelvin temperatures to enhance various color spectrums. Use 2500K for a warm red enhancing application and 4500K for a blue/green enhancing application. The RF controller is operated with a remote or controller that lets the end user select the temperature and intensity as the application or mood changes as well as having the option to set optional automatic changing modes.

ELECTRICAL:

Voltage: 24V

Wattage: 2.5W per foot

Light Source: 18 Dual LEDs per foot

Color Temperature: Color Tuning 2500K-4500K

Maximum Run Length: 16'

CONSTRUCTION: The tape is separable every 12", and can be cut at marked 4" intervals. Cutting does not effect circuit.

MOUNTING: Each Tape Light section or roll comes with with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardwire power supplies - see page 292.

CONTROLLER: Each run requires a controller, which can be linked together for color synchronization.

INCLUDED WITH TAPE LIGHT ROLL: Each Tape Light roll includes: (1) 16' Tape Light Roll, (1) 12" power line interconnector and (15) clear acrylic clips.

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



LED TAPE LIGHT ACCESSORIES CCT COLOR TUNING



CCT Color Tuning Controller
(25K-45K)

NACCT-865

CCT Color Tuning Hand Held Remote

NACCT-867



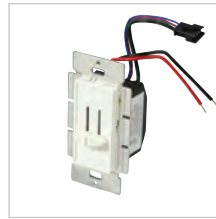
CCT Touch Pad Wall Controller

NACCT-868

Includes Mounting back box.

Requires: Driver

Local control of CCT, on/off with memory and dimming.



Spectrum Wall Slide Control
NARGB-875W

Dual-Slide controller for CCT tape. One slide control controls color and the other controls brightness with a positive off. Installs between driver and tape.



Controller Power Line Connector

NARGB-762W

10'

NARGB-763W

30'

Replaces included 9-1/2" input wire, to allow for 30' or less length between controller and LED Driver.



Power Line Interconnector

NARGB-710W

12" Cable

Connects tape light run to a controller.

Note: (1) NARGB-710 is included with every Tape Light roll. Use interconnection cables to increase length.



Interconnection Cables

NARGB-702W 2" Cable

NARGB-706W 6" Cable

NARGB-718W 18" Cable

NARGB-736W 36" Cable

NARGB-772W 72" Cable

Allows easy linking of two Tape Lights sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Splitter Cables

NARGB-700W Y Splitter

NARGB-701W X Splitter

Allows splitting the Tape light from a run or driver into two (Y) or three (X) separate runs.



End Cap

NATL-403 Black

NATL-403W White

End cap's pin insert into the open end of a run.



Shrink Wrap Tube

NATL-400 Pack of 5

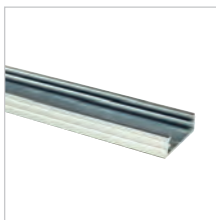
Seals connection made in the field. Necessary to maintain listing. Two shrink wrap tubes are included.



Clear Acrylic Mounting Clips

NATHR-685 Pack of 15

Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



4' Channel

NATHR-680 aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Shallow Channel

NATL-C23A aluminum w/wing

NATL-C24A aluminum

NATL-C24B black

NATL-C24W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' Deep Channel

NATL-C25A aluminum w/wing

NATL-C26A aluminum

NATL-C26B black

NATL-C26W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' J-Style Channel

NATL-C27A aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Corner Channel

NATL-C28A aluminum

NATL-C28B black

NATL-C28W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.

LED TAPE LIGHT

24V COMFORT DIM 170LM PER FOOT

Comfort Dim technology warms the color temperature while being dimmed!



Cuttable every 2" at marked intervals

Tape Width: 7/16"
Tape Depth: 1/16"
Lengths: 16' Roll

COMFORT DIM LED TAPE LIGHT

| CATALOG NO. | LENGTH | TAPE COLOR | VOLTAGE | COLOR TEMPERATURE |
|------------------------|----------|------------|---------|----------------------------|
| NUTP12-W16LEDCD | 16' Roll | White | 24V | Comfort Dim 3000K-1800K |

Example: **NUTP12-W16LEDCD** - 24V Comfort Dim LED Tape Light, 16' roll

16' Tape Roll can be cut and connected with interconnection cables

FEATURES:

- 24V systems
- Field cuttable every 2"
- 39W per roll - 2.44W per foot
- Warms the kelvin temperature from 3000K to 1800K when dimmed
- No soldering or additional wiring required
- 16' maximum run length
- Easy to install with pre-applied 3M™ tape or accessories
- Dimmable with Dimmable Magnetic Low Voltage Driver

Comfort Dim technology tunes the color temperature as the luminaire is dimmed. Beginning at a bright 3000K, as the tape light is dimmed the color temperature warms to 1800K. LED Tape Light is a perfect solution for your LED linear lighting needs. This energy efficient and very low profile LED Tape is great for use in cove lighting, architectural enhancements, under cabinet or many more discreet locations.

Voltage: 24V

Wattage: 2.44W per foot

Lumens: 170lm per foot

Color Temperature: Comfort Dim color tunes the temperature from a bright 3000K, to a romantic and comfortable 1800K

Color Rendering Index: 90

Maximum Run Length: 16'

Dimming: Magnetic Low Voltage

CONSTRUCTION: The tape light can be cut every 2" and reconnected with interconnection cables, this eliminates soldering when using partial rolls.

MOUNTING: Entire roll comes with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

DRIVER: A magnetic low voltage driver is required to be used with a magnetic low voltage dimmer.

INCLUDED WITH TAPE LIGHT ROLL: Each Tape Light Roll includes: (1) 16' Tape Light Roll, (1) 12" power line interconnector and (15) clear acrylic clips.

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- 3 Year Limited Warranty



LED TAPE LIGHT ACCESSORIES AND DRIVERS COMFORT DIM



12" Power Line Interconnector
NATLCD-210 12"
Connects any Comfort Dim Tape Light run to a driver.



Interconnection Cables
NATLCD-203 3"
NATLCD-206 6"
NATLCD-224 24"
NATLCD-248 48"
NATLCD-272 72"

Used to connect two Comfort Dim tape light runs together



Clear Acrylic Mounting Clips
NATL-401 Pack of 15
Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



4" Plastic Channel
NATL-420B black
NATL-420W white
Mounts Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable.



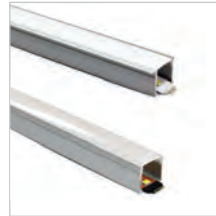
Class II Hardwire LED Driver with Breakers, MLV dimming
NMT-303/24C2D1 120V
NMT-303/24C2D2 277V
Voltage: 120V or 277V/24V
Wattage: (3) 100W
Dimming: Magnetic Low Voltage
Includes: (3) 10' Power Line Connectors



Class II Hardwire LED Driver with Regulator, MLV dimming
NMTD-60/24D 60W
NMTD-96/24D 96W
Voltage: 120-277V/24V
Wattage: 60W or 96W
Dimming: Magnetic Low Voltage
Regulator: Integral regulator for constant current and voltage
Includes: 10' Power Line Connector



4" Shallow Channel
NATL-C23A aluminum w/wing
NATL-C24A aluminum
NATL-C24B black
NATL-C24W white
Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4" Deep Channel
NATL-C25A aluminum w/wing
NATL-C26A aluminum
NATL-C26B black
NATL-C26W white
Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4" J-Style Channel
NATL-C27A aluminum
Used to mount tape light to various surfaces. Field cuttable.



4" Corner Channel
NATL-C28A aluminum
NATL-C28B black
NATL-C28W white
Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



2" Wire Raceway
NATL-422B black
NATL-422W white
Field-cuttable plastic. Includes wire channel with double faced tape and cover.



Power Line Connector
NATL-10 10' Cable
NATL-30 30' Cable

For use with Class II drivers. Carries output from driver, requires power line cable.

5" Power Line Splitter
NATL-302W



Low Voltage Splice Box
NATL-415W
Use to join low voltage lead to power line cable.



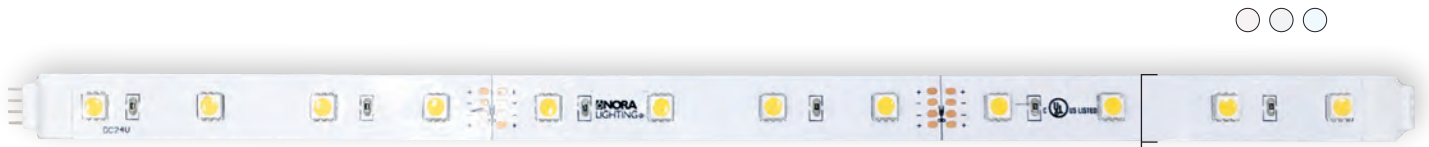
16AWG In-Wall Rated Wire
NATL-W16-2-250 16AWG 250'
NATL-W16-2-20 16AWG 20'
16 AWG low voltage Class II two-conductor, in-wall rated wire.



Terminal/Splitter Block
NATL-407 4-Way
2-3/8"L x 1-1/8"W x 7/8"D
NATL-408 8-Way
4"L x 1-1/8"W x 7/8"D

LED TAPE LIGHT

24V HY-BRITE 200LM PER FOOT



Cuttable every 4" at marked intervals

Tape Width: 9/16"
Tape Depth: 1/8"
Lengths: 16' Roll, 12" Section, 4" Section

HY-BRITE LED TAPE LIGHT

| CATALOG NO. | LENGTH | TAPE COLOR | VOLTAGE | COLOR TEMPERATURE |
|-----------------------------|-------------|------------|---------|--|
| NUTP5-W16LED(CCT) | 16' Roll | White | 24V | 927 2700K 930 3000K 942 4200K |
| NUTP5-W12LED(CCT)/12 | 12" Section | White | 24V | |
| NUTP5-W4LED(CCT)/4 | 4" Section | White | 24V | |

Example: **NUTP5-WLED942/4** - 24V Hy-Brite LED Tape Light, 4" Section, 4200K

16' Tape Rolls include sixteen 12" sections. 12" and 4" Tape sections contain male/female ends.

FEATURES:

- 200+ Lumens per foot
- 90+ CRI
- 43.2W per roll - 2.7W per foot
- 24V DC System
- Available in three color outputs: Cool White (4200K), Warm White (3000K), Warm White (2700K)
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 4" or 6 LEDs
- 32' Maximum run length
- Dimmable with dimmable power supply
- Easy to install with pre-applied 3M™ tape or accessories

Hy-Brite LED Tape Light is the perfect solution when you need more light than Standard LED Tape but less than High Performance High-Output LED Tape. Producing 200+ lumens, the Hy-Brite uses the same connectors and accessories as the High Output LED Tape. The low profile tape is the ideal for coves, architectural details, under and in cabinets, toe kicks, and back lighting. Hy-Brite can be used outdoors when not exposed to direct water spray.

ELECTRICAL:

Voltage: 24V

Lumens / Wattage: 200lm / 2.7W per foot

Light Source: 12 Hy-Brite LEDs per foot

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K or 4200K

Maximum Run Length: 32'

INCLUDED WITH TAPE LIGHT ROLL: Each Tape Light Roll includes: (1) 16' Tape Light Roll, (1) 9" power line interconnector and (15) clear acrylic clips.

CONSTRUCTION: The tape is separable every 12", and can be cut every 6 LEDs at marked 4" intervals. Cutting does not effect circuit.

MOUNTING: Each Tape Light section and roll comes with with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

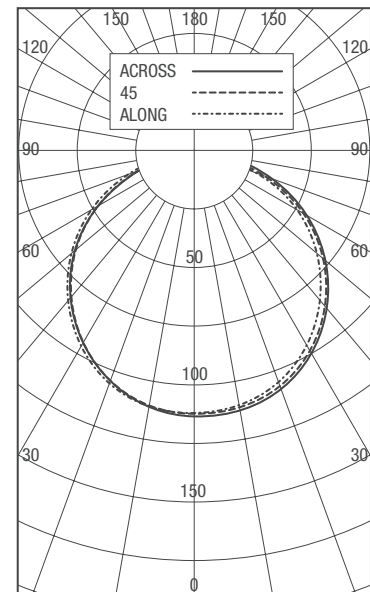
DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardwire power supplies - see page 292.

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



NUTP5-3000K Test No. 33100

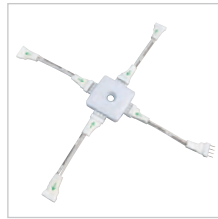


LED TAPE LIGHT ACCESSORIES HY-BRITE



Y-Splitter Cable
NAHO-600W Y Cable

Allows splitting Hy-Brite & High Output Tape light from a run or driver into two or three separate runs.



X-Splitter Cable
NAHO-601W X Cable

Allows splitting Hy-Brite & High Output Tape light from a run or driver into two or three separate runs.



Interconnection Cables
NAHO-602W 2" Cable
NAHO-606W 6" Cable
NAHO-618W 18" Cable
NAHO-636W 36" Cable
NAHO-672W 72" Cable

Interconnection cable allows easy linking of two Hy-Brite or High Output Tape sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Power Line Interconnector
NAHO-609W

Connects Hy-Brite or High Output Tape Light run to a driver. (1) Power line interconnector is included with every Hy-Brite and High Output Tape Light roll.



Power Line Interconnector with On/Off Switch
NAHO-611W

Allows individual switching on any Hy-Brite and High Output Tape Light run, and connect the LED tape light run to an LED driver.



Shrink Wrap Tube
NATH-400 Pack of 5

Seals connection made in the field. Necessary to maintain cULus Listing. Two shrink wrap tubes are included with every Tape Light roll and section.



End Cap
NATL-403 Black
NATL-403W White

End cap's pin insert into the open end of a run.



Clear Acrylic Mounting Clips
NATHR-685 Pack of 15

Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



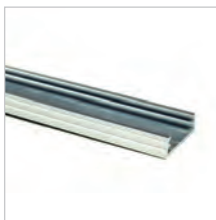
2' Wire Raceway
NATL-422B black
NATL-422W white

Field-cuttable plastic. Includes wire channel with double faced tape and cover.



Clips for Wire, White Plastic
NATL-404W J-Clip 10/pk
NATL-405W Over Wire 10/pk
NATL-406W Clip 10/pk

Used to mount wires to surface



4' Channel
NATHR-680 aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Shallow Channel
NATL-C23A aluminum w/wing
NATL-C24A aluminum
NATL-C24B black
NATL-C24W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' Deep Channel
NATL-C25A aluminum w/wing
NATL-C26A aluminum
NATL-C26B black
NATL-C26W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' J-Style Channel
NATL-C27A aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Corner Channel
NATL-C28A aluminum
NATL-C28B black
NATL-C28W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.

LED TAPE LIGHT

24V HIGH OUTPUT 350LM PER FOOT



HIGH OUTPUT LED TAPE LIGHT

| CATALOG NO. | LENGTH | TAPE COLOR | VOLTAGE | COLOR TEMPERATURE |
|---------------------------|-------------|------------|---------|--|
| NUTP8-W10LED(CCT) | 10' Roll | White | 24V | B Blue G Green R Red Y Yellow (Amber) |
| NUTP8-WLED(CCT)/12 | 12" Section | White | 24V | 927 2700K 930 3000K 942 4200K |
| NUTP8-WLED(CCT)/4 | 4" Section | White | 24V | |

Example: **NUTP8-WLED930/12** - 24V High Output LED Tape Light, 12" Section, 3000K

10' Tape Rolls include ten 12" sections. 12" and 4" Tape sections contain male/female ends.

FEATURES:

- 350 Lumens per foot
- 90+ CRI
- 180 LEDs / 42W per roll - 18 LEDs / 4.2W per ft.
- 24V DC System
- Available in 7 colors: Blue, Green, Red, Yellow, Cool White (4200K), Warm White (3000K), Warm White (2700K)
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 4" or 6 LEDs
- 10' Maximum run length
- Dimmable with dimmable power supply
- Easy to install with pre-applied 3M™ tape or accessories

High Output LED Tape Light has five times the light output of our standard tape, consumes only 4.2W per foot, and is a perfect solution for your LED linear lighting needs. Very low profile High Output LED Tape is great for use in cove lighting, architectural enhancements, under cabinet or many more discreet locations.

ELECTRICAL:

Voltage: 24V

Lumens / Wattage: 350lm / 4.2W per foot

Light Source: 18 High Output LEDs Per Foot

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 4200K, Blue, Green, Red or Yellow

Maximum Run Length: 10'

INCLUDED WITH TAPE LIGHT ROLL: Each Tape Light Roll includes: (1) 10' Tape Light roll, (1) 9" power line interconnector and (15) clear acrylic clips.

CONSTRUCTION: The tape is separable every 12", and can be cut every 6 LEDs at marked 4" intervals. Cutting does not effect circuit.

MOUNTING: Each Tape Light section or roll comes with with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardwire power supplies - see page 292.

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



LIGHTING TIP

While some tape is offered in dedicated colors like red or blue we have found that clients prefer to use our RGB or RGBW tape to dial in the exact color they want. Colors reflect differently off different colors, the RGB and RGBW let you adjust for the reflectance to the desired color.

LED TAPE LIGHT ACCESSORIES HIGH OUTPUT



Y-Splitter Cable
NAHO-600W Y Cable

Allows splitting Hy-Brite & High Output Tape light from a run or driver into two or three separate runs.



X-Splitter Cable
NAHO-601W X Cable

Allows splitting Hy-Brite & High Output Tape light from a run or driver into two or three separate runs.



Interconnection Cables
NAHO-602W 2" Cable
NAHO-606W 6" Cable
NAHO-618W 18" Cable
NAHO-636W 36" Cable
NAHO-672W 72" Cable

Interconnection cable allows easy linking of two Hy-Brite or High Output Tape sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Power Line Interconnector
NAHO-609W

Connects Hy-Brite or High Output Tape Light run to a driver. (1) Power line interconnector is included with every Hy-Brite and High Output Tape Light roll.



Power Line Interconnector with On/Off Switch
NAHO-611W

Allows individual switching on any Hy-Brite and High Output Tape Light run, and connect the LED tape light run to an LED driver.



Shrink Wrap Tube
NATH-400 Pack of 5

Seals connection made in the field. Necessary to maintain cULus Listing. Two shrink wrap tubes are included with every Tape Light roll and section.



End Cap
NATL-403 Black
NATL-403W White

End cap's pin insert into the open end of a run.



Clear Acrylic Mounting Clips
NATHR-685 Pack of 15

Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



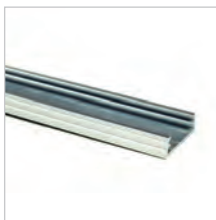
2' Wire Raceway
NATL-422B black
NATL-422W white

Field-cuttable plastic. Includes wire channel with double faced tape and cover.



Clips for Wire, White Plastic
NATL-404W J-Clip 10/pk
NATL-405W Over Wire 10/pk
NATL-406W Clip 10/pk

Used to mount wires to surface



4' Channel
NATHR-680 aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Shallow Channel
NATL-C23A aluminum w/wing
NATL-C24A aluminum
NATL-C24B black
NATL-C24W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' Deep Channel
NATL-C25A aluminum w/wing
NATL-C26A aluminum
NATL-C26B black
NATL-C26W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' J-Style Channel
NATL-C27A aluminum

Used to mount tape light to various surfaces. Field cuttable.



4' Corner Channel
NATL-C28A aluminum
NATL-C28B black
NATL-C28W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.

LED TAPE LIGHT

STANDARD ENCAPSULATED 12V OR 24V



Cuttable every
2" (12V) or 4" (24V) at
marked intervals

Tape Width: 7/16"
Tape Depth: 1/8"
Lengths: 16' Roll,
12" Section, 4" Section

STANDARD SILICONE ENCAPSULATED LED TAPE LIGHT

| CATALOG NO. | LENGTH | TAPE COLOR | VOLTAGE | COLOR TEMPERATURE |
|---------------------------|-------------|------------|---------|-------------------------------|
| NUTP4-W16LED(CCT) | 16' Roll | White | 12V | B Blue |
| NUTP4-WLED(CCT)/12 | 12" Section | White | 12V | G Green |
| NUTP4-WLED(CCT)/4 | 4" Section | White | 12V | R Red |
| NUTP1-W16LED(CCT) | 16' Roll | White | 24V | Y Yellow (Amber) |
| NUTP1-WLED(CCT)/12 | 12" Section | White | 24V | 927 2700K (NUTP1 only) |
| NUTP1-WLED(CCT)/4 | 4" Section | White | 24V | 930 3000K |
| NUTP4-W16LED(CCT) | 16' Kit | White | 12V | 942 4200K |
| NUTP1-W16LED(CCT) | 16' Kit | White | 24V | 930K 3000K |
| | | | | 942K 4200K |

Example: **NUTP1-W16LEDB** - 24V Standard Tape Light, 16' Roll, Blue Color

16' Tape Rolls include sixteen 12" sections. Kit includes plug-in driver. 12" and 4" Tape sections contain male/female ends.

FEATURES:

- Silicone encapsulated for maintenance and durability
- 70 Lumens per foot with 3000K CCT
- 288 LEDs/24W per roll; 18 LEDs/1.5W per foot
- 12V or 24V DC single color illumination
- Available in 7 colors: Blue, Green, Red, Yellow, Cool White (4200K), Warm White (3000K), Warm White (2700K)
- Separable every 12", easily disconnect and connect without soldering
- Field cuttable every 2" on 12V and 4" on 24V
- 64' Maximum run length
- Easy to install with pre-applied 3M™ tape or accessories
- Dimmable with dimmable power supply

Nora's very low profile, energy efficient LED tape is only 7/16" wide and 1/16" thick. Designed to cast no shadows, our flexible LED light boasts a desirable seamless glow. Installation is easy as each roll (16 feet) is separable every 12" and can also be cut every 4" (2" on 12V). Our durable tape is encapsulated in silicone and rated for damp locations.

ELECTRICAL:

Voltage: 12V or 24V

Lumens / Wattage: 70lm / 1.5W per foot

Light Source: 18 LEDs per foot

Operating Temp.: -13° F to 140° F (-25°C to 60°C)

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 4200K, Blue, Green, Red or Yellow

Maximum Run Length: 64' (24V) / 32' (12V)

INCLUDED WITH TAPE LIGHT ROLL/KIT:

Each Tape Light Roll/Kit includes: (1) 16' Tape Light roll, (1) 9" power line interconnector and (15) clear acrylic clips. Kit includes a LED plug-in driver also.

CONSTRUCTION: The tape is separable every 12", can be cut every 2" on 12V and 4" on 24V at marked intervals. Cutting does not effect circuit. Silicone encapsulated tape has pre-applied shrink wrap around connections, simply slice the clear shrink wrap at each 12" connection and separate male-female connectors. This eliminates soldering when using partial rolls.

MOUNTING: Each Tape Light section and roll/kit comes with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardwire power supplies - see page 292.

LISTING & WARRANTY:

- cULus Listed for Damp Location
- 3 Year Limited Warranty



LED TAPE LIGHT

ACCESSORIES STANDARD ENCAPULATED



"Y" Splitter Cable

NATL-300W 12V or 24V

Allows splitting the Tape Light from a run or driver, into two separate runs.



X-Splitter Cable

NATL-301W 12V or 24V

Allows splitting the Tape Light from a run or driver, into three separate runs.



12/24V Interconnection Cable

NATL-202W 2" Cable
NATL-206W 6" Cable
NATL-218W 18" Cable
NATL-236W 36" Cable
NATL-272W 72" Cable

Allows easy linking of two Tape Light sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Power Line Interconnector

NATL-509W 24V 9" Cable
NATL-515W 12V 9" Cable

Connects any Tape Light run to a driver. (1) Power line interconnector is included with every Tape Light roll/kit.



Power Line Interconnector with On/Off Switch

NATL-511W 24V 11" Cable
NATL-517 12V 11" Cable

Allows individual switching on any Tape Light run, and connect LED Tape Light run directly to LED Driver. 24V cable is white & 12V cable is black.



Shrink Wrap Tube

NATL-400 Pack of 5

Seals connection made in the field. Necessary to maintain cULus Listing. Two shrink wrap tubes are included with every Tape Light roll and section.



End Cap

NATL-403 B or W

Covers open end of Tape Light. Available in Black or White.



Clear Acrylic Mounting Clips

NATL-401 Pack of 15

Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



2' Wire Raceway

NATL-422B black
NATL-422W white

Field-cuttable plastic. Includes wire channel with double faced tape and cover.



Clips for Wire, White Plastic

NATL-404W J-Clip 10/pk
NATL-405W Over Wire 10/pk
NATL-406W Clip 10/pk

Used to mount wires to surface



4' Plastic Channel

NATL-420B black
NATL-420W white

Mounts Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable.



4' Shallow Channel

NATL-C23A aluminum w/wing
NATL-C24A aluminum
NATL-C24B black
NATL-C24W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' Deep Channel

NATL-C25A aluminum w/wing
NATL-C26A aluminum
NATL-C26B black
NATL-C26W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' J-Style Channel

NATL-C27A aluminum
 Used to mount tape light to various surfaces. Field cuttable.



4' Corner Channel

NATL-C28A aluminum
NATL-C28B black
NATL-C28W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.

LED TAPE LIGHT

STANDARD NON-ENCAPSULATED 24V



Cuttable every 4"
at marked intervals

Tape Width: 7/16"
Tape Depth: 1/8"
Lengths: 16' Roll,
12" Section, 4" Section

STANDARD LED TAPE LIGHT

| CATALOG NO. | LENGTH | TAPE COLOR | VOLTAGE | COLOR TEMPERATURE |
|-----------------------------|-------------|------------|---------|-------------------|
| NUTP7-W16LED(CCT) | 16' Roll | White | 24V | 927 2700K |
| NUTP7-WLED(color)/12 | 12" Section | White | 24V | 930 3000K |
| NUTP7-WLED(color)/4 | 4" Section | White | 24V | 942 4200K |
| NUTP7-W16LED(color)K | 16' Kit | White | 24V | |

Example: **NUTP7-WLED927/4** - 24V Standard Tape Light, 4" Section, 2700K

16' Tape Rolls include sixteen 12" sections. Kit includes plug-in driver. 12" and 4" Tape sections contain male/female ends.

FEATURES:

- 70 Lumens per foot with 3000K CCT
- 90+ CRI
- 288 LEDs/26.4W per roll; 18 LEDs/1.65W per foot
- 24V DC single color illumination
- Available in three color outputs: Cool White (4200K), Warm White (3000K), Warm White (2700K)
- Separable every 12", easily disconnect and connect without soldering
- Field cuttable every 4"
- 64' Maximum run length
- Easy to install with pre-applied 3M™ tape or accessories
- Dimmable with dimmable power supply

Nora's very low profile, energy efficient LED tape is only 7/16" wide and 1/16" thick. Designed to cast no shadows, our flexible LED light boasts a desirable seamless glow. Installation is easy as each roll (16 feet) is separable every 12" and can also be cut every 4". Our durable tape is non-encapsulated and rated for damp locations.

ELECTRICAL:

Voltage: 24V

Lumens / Wattage: 70lm / 1.65W per foot

Light Source: 18 LEDs per foot

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K or 4200K

Maximum Run Length: 64'

INCLUDED WITH TAPE LIGHT ROLL/KIT:

Each Tape Light Roll/Kit includes: (1) 16' Tape Light roll, (1) 9' power line interconnector and (15) clear acrylic clips. Kit includes a LED Plug-In driver also.

CONSTRUCTION: The 24V tape is separable every 12", and can be cut every 4" at marked intervals. Cutting does not effect circuit.

MOUNTING: Each Tape Light section and roll/kit comes with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

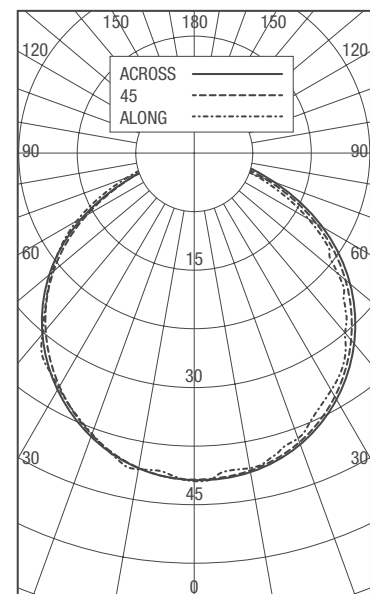
DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardwire power supplies - see page 292.

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



NUTP7 (4200K) Test No. 32740



LED TAPE LIGHT ACCESSORIES STANDARD NON-ENCAPSULATED



Y" Splitter Cable

NATL-300W

Allows splitting the Tape Light from a run or driver, into two separate runs.



X-Splitter Cable

NATL-301W

Allows splitting the Tape Light from a run or driver, into three separate runs.



Interconnection Cable

| | |
|------------------|-----------|
| NATL-202W | 2" Cable |
| NATL-206W | 6" Cable |
| NATL-218W | 18" Cable |
| NATL-236W | 36" Cable |
| NATL-272W | 72" Cable |

Allows easy linking of two Tape Light sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Power Line Interconnector

NATL-509W 9" Cable

Connects any Tape Light run to a driver. (1) Power line interconnector is included with every Tape Light roll/kit.



Power Line Interconnector with On/Off Switch

NATL-511W 11" Cable

Allows individual switching on any Tape Light run, and connect LED Tape Light run directly to LED Driver.



Shrink Wrap Tube

NATL-400 Pack of 5

Seals connection made in the field. Necessary to maintain cULus Listing. Two shrink wrap tubes are included with every Tape Light roll and section.



End Cap

NATL-403 B or W

Covers open end of Tape Light. Available in Black or White.



Clear Acrylic Mounting Clips

NATL-401 Pack of 15

Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



2 Wire Raceway

NATL-422B black
NATL-422W white

Field-cuttable plastic. Includes wire channel with double faced tape and cover.



Clips for Wire, White Plastic

NATL-404W J-Clip 10/pk
NATL-405W Over Wire 10/pk
NATL-406W Clip 10/pk

Used to mount wires to surface



4' Plastic Channel

NATL-420B black
NATL-420W white

Mounts Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable.



4' Shallow Channel

NATL-C23A aluminum w/wing
NATL-C24A aluminum
NATL-C24B black
NATL-C24W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' Deep Channel

NATL-C25A aluminum w/wing
NATL-C26A aluminum
NATL-C26B black
NATL-C26W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' J-Style Channel

NATL-C27A aluminum

Used to mount tape light to various surfaces. Field cuttable.



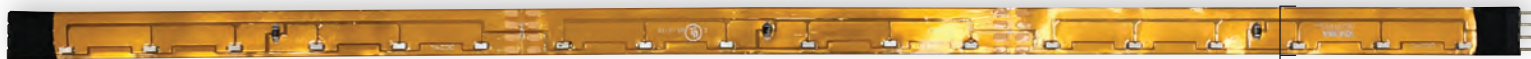
4' Corner Channel

NATL-C28A aluminum
NATL-C28B black
NATL-C28W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.

LED TAPE LIGHT

SIDE-LIT NON-ENCAPSULATED 24V



Cuttable every 4" at marked intervals

Side Lit tape illuminates to the side, parallel to the mounting surface

Tape Width: 7/16" Tape Depth: 1/16" Lengths: 16' Roll, 12" Section, 4" Section

SIDE-LIT LED TAPE LIGHT

| CATALOG NO. | LENGTH | TAPE COLOR | VOLTAGE | COLOR TEMPERATURE |
|--------------------------|-------------|------------|---------|-------------------|
| NUTP9-16LED(CCT) | 16' Roll | Amber | 24V | 27 2700K |
| NUTP9-LED(CCT)/12 | 12" Section | Amber | 24V | 30 3000K |
| NUTP9-LED(CCT)/4 | 4" Section | Amber | 24V | |

Example: **NUTP9-16LED30** - 24V Side-Lit Tape Light, 16' Roll, 3000K

16' Tape Rolls include sixteen 12" sections. 12" and 4" Tape sections contain male/female ends.

FEATURES:

- 70 Lumens per foot with 3000K CCT
- 288 LEDs / 24W per roll; 18 LEDs / 1.5W per foot
- 24V DC single color illumination
- Available in two color outputs: Warm White (3000K) or Warm White (2700K)
- Separable every 12", easily disconnect and connect without soldering
- Field cuttable every 4"
- 64' Maximum run length
- Easy to install with pre-applied 3M™ tape and accessories
- Dimmable with dimmable power supply

Side-Lit LED tape light has the same performance features as the standard tape light, but instead of projecting the light straight, the light is projected to the side, parallel to the mounting surface of the tape. For example, when mounted under a cabinet in a horizontal position, the light projects sideways toward the back splash with minimal LED image on the counter top. This very low profile, energy efficient LED tape is only 7/16" wide and 1/16" thick. Designed to cast no shadows, our flexible LED light boasts a desirable seamless glow. Installation is easy as each roll (16 feet) is separable every 12" and can also be cut every 4".

ELECTRICAL:

Voltage: 24V
Lumens / Wattage: 70lm / 1.5W per foot
Light Source: 18 LEDs per foot
Color Temperature: 2700K or 3000K
Maximum Run Length: 64'

INCLUDED WITH TAPE LIGHT ROLL:

Each Tape Light Roll includes: (1) 16' Tape Light Roll, (1) 9" power line interconnector and (15) clear acrylic clips.

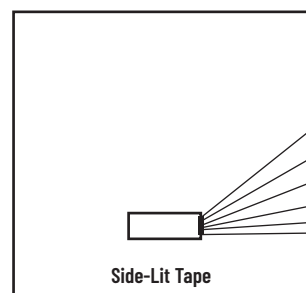
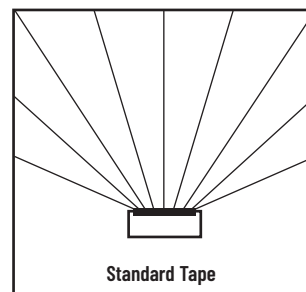
CONSTRUCTION: The 24V tape is separable every 12", and can be cut every 4" at marked intervals. Cutting does not effect circuit.

MOUNTING: Each Tape Light section and roll comes with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardwire power supplies - see page 292.

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



LED TAPE LIGHT ACCESSORIES SIDE-LIT NON-ENCAPSULATED



Y-Splitter Cable

NATL-300W

Allows splitting the Tape Light from a run or driver, into two separate runs.



X-Splitter Cable

NATL-301W

Allows splitting the Tape Light from a run or driver, into three separate runs.



Interconnection Cable

| | |
|------------------|-----------|
| NATL-202W | 2" Cable |
| NATL-206W | 6" Cable |
| NATL-218W | 18" Cable |
| NATL-236W | 36" Cable |
| NATL-272W | 72" Cable |

Allows easy linking of two Tape Light sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Power Line Interconnector

NATL-509W 9" Cable

Connects any Tape Light run to a driver. (1) Power line interconnector is included with every Tape Light roll/kit.



Power Line Interconnector with On/Off Switch

NATL-511W 11" Cable

Allows individual switching on any Tape Light run, and connect LED Tape Light run directly to LED Driver.



Shrink Wrap Tube

NATL-400 Pack of 5

Seals connection made in the field. Necessary to maintain cULus Listing. Two shrink wrap tubes are included with every Tape Light roll and section.



End Cap

NATL-403 B or W

Covers open end of Tape Light. Available in Black or White.



Clear Acrylic Mounting Clips

NATL-401 Pack of 15

Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



2 Wire Raceway

NATL-422B black
NATL-422W white

Field-cuttable plastic. Includes wire channel with double faced tape and cover.



Clips for Wire, White Plastic

NATL-404W J-Clip 10/pk
NATL-405W Over Wire 10/pk
NATL-406W Clip 10/pk

Used to mount wires to surface



4 Plastic Channel

NATL-420B black
NATL-420W white

Mounts Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable.



4 Shallow Channel

NATL-C23A aluminum w/wing
NATL-C24A aluminum
NATL-C24B black
NATL-C24W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4 Deep Channel

NATL-C25A aluminum w/wing
NATL-C26A aluminum
NATL-C26B black
NATL-C26W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4 J-Style Channel

NATL-C27A aluminum
Used to mount tape light to various surfaces. Field cuttable.



4 Corner Channel

NATL-C28A aluminum
NATL-C28B black
NATL-C28W white

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.

LED TAPE LIGHT

CONTINUOUS ROLL STANDARD / HY-BRITE / HIGH OUTPUT



NUTP71
STANDARD

NUTP51
HY-BRITE

NUTP81
HIGH OUTPUT



Available in 100' or 20' roll, cuttable every 4"

Cuttable
every 4"
at marked
intervals

| | NUTP71 | NUTP51 | NUTP81 |
|-------------|-----------------------|--------|--------|
| Tape Width: | 7/16" | 1/2" | 1/2" |
| Tape Depth: | 1/16" | 1/8" | 1/8" |
| Lengths: | 100' Roll or 20' Roll | | |

24V CONTINUOUS ROLL LED TAPE LIGHT

| CATALOG NO. | LENGTH | TYPE | VOLTAGE | LUMEN/W/FT | MAX RUN | COLOR TEMP |
|----------------|--------|-------------|---------|------------|---------|--|
| NUTP51-W100LED | 100' | Hy-Brite | 24V | 210lm/2.7W | 32' | 927 2700K 930 3000K 942 4200K |
| NUTP51-W20LED | 20' | Hy-Brite | 24V | 210lm/2.7W | 32' | |
| NUTP71-W100LED | 100' | Standard | 24V | 80lm/1.3W | 64' | |
| NUTP71-W20LED | 20' | Standard | 24V | 80lm/1.3W | 64' | |
| NUTP81-W100LED | 100' | High Output | 24V | 310lm/4.3W | 20' | |
| NUTP81-W20LED | 20' | High Output | 24V | 310lm/4.3W | 20' | |

Example: **NUTP71-W100LED930** - 24V Continuous Standard LED Tape Light, 100' roll, 3000K

Note: Consult factory for custom cuts.

FEATURES:

- Continuous 100' or 20' rolls
- 24V DC System
- Available in three outputs (310lm, 210lm or 80lm per foot)
- Available in three color outputs: Cool White (4200K), Warm White (3000K), Warm White (2700K)
- Dedicated Flip type connectors
- Field cuttable every 4"
- Easy to install with pre-applied 3M™ tape or clips
- No soldering
- Maximum single runs:
 - NUTP51 - 32 Feet
 - NUTP71 - 64 Feet
 - NUTP81 - 20 Feet
- Dimmable with dimmable power supply
- 90+ CRI

Continuous tape allows greater installation flexibility. The 100' or 20' rolls can be cut every 4" and is easily connected to another piece of tape with flip connectors. The tape can be used in coves, niches, under or over cabinets and other architectural features.

ELECTRICAL:

Voltage: 24V

Lumens / Wattage:

NUTP51 - 210lm / 2.7W per foot

NUTP71 - 80lm / 1.3W per foot

NUTP81 - 310lm / 4.3W per foot

Light Source: 18 LEDs Per Foot

Operating Temp: -25°C to 60°C (-13° F to 140° F)

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K, 4200K

Maximum Run Length: 32' (NUTP51), 64' (NUTP71), 20' (NUTP81)

INCLUDED WITH TAPE LIGHT ROLL: Each Tape Light roll includes: (1) 20' or 100' Tape Light Roll, (1) 12" power line interconnector and (10 or 50) clear acrylic clips.

MOUNTING: Each Continuous Tape Light roll comes with with pre-applied 3M™ adhesive tape and clear acrylic clips for simple installation. Accessories are also available.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardware power supplies - see page 292.

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



LED TAPE LIGHT ACCESSORIES CONTINUOUS ROLL



Flip-Type Link Connector
NATLCFC-(S)00A 12mm
Tape Style (S):
2 NUTP71
6 NUTP51 or NUTP81



Flip-Type Interconnection Cable
NATLCFC-(S)03A 3"
NATLCFC-(S)06A 6"
NATLCFC-(S)12A 12"
NATLCFC-(S)24A 24"
NATLCFC-(S)48A 48"
NATLCFC-(S)72A 72"
NATLCFC-(S)96A 96"
Tape Style (S):
2 NUTP71
6 NUTP51 or NUTP81
Links two pieces of tape.



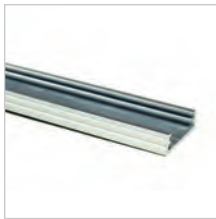
Flip-Type Splice Connector
NATLCFC-(S)08/3A 3"
NATLCFC-(S)08/12A 12"
NATLCFC-(S)08/48A 48"
NATLCFC-(S)08/96A 96"
Tape Style (S):
2 NUTP71
6 NUTP51 or NUTP81
Flip connector for tape to power or joining tape (no DC plug).



Flip-Type DC Plug Connector Cable
NATLCFC-(S)09/3A 3"
NATLCFC-(S)09/12A 12"
NATLCFC-(S)09/48A 48"
NATLCFC-(S)09/96A 96"
Tape Style (S):
2 NUTP71
6 NUTP51 or NUTP81
Flip connector for tape to power or joining tape with DC plug.



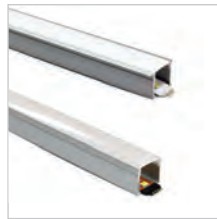
Clear Acrylic Mounting Clips
NATHR-685 Pack of 15
Used to mount tape light to surfaces, includes mounting screws. Pack of 50 are included with every roll.



4' Channel
NATHR-680 aluminum
Used to mount tape light to various surfaces. Field cuttable.



4' Shallow Channel
NATL-C23A aluminum w/wing
NATL-C24A aluminum
NATL-C24B black
NATL-C24W white
Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' Deep Channel
NATL-C25A aluminum w/wing
NATL-C26A aluminum
NATL-C26B black
NATL-C26W white
Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' J-Style Channel
NATL-C27A aluminum
Used to mount tape light to various surfaces. Field cuttable.



4' Corner Channel
NATL-C28A aluminum
NATL-C28B black
NATL-C28W white
Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



J-Clip for Wire, White Plastic
NATL-404W 10/pk



Over the Wire Clip, White Plastic
NATL-405W 10/pk



Wire Clip for Wire, White Plastic
NATL-406W 10/pk

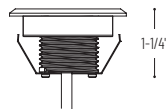
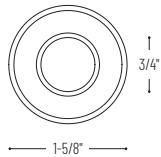


2' Wire Raceway
NATL-422B black
NATL-422W white
Field-cuttable plastic. Includes wire channel with double faced tape and cover.



LED MINIATURE

100LM 12V M1



NMI-170
1" M1 LED Miniature Recessed Series
(includes two black & two white plastic trims)



NMI-RSS
Round Stainless Trim
Requires NMI-170



NMI-SSS
Square Stainless Trim
Requires NMI-170



NMI-RSSD
Indicator Trim
Requires NMI-170



NMI-RAEYELID
Scoop Trim
Requires NMI-170

1" M1 LED MINIATURE RECESSED

| TYPE | COLOR TEMP / CRI | FINISH |
|------------------------------|--|---|
| NMI-170 1" LED Module | 27X 2700K / 90 CRI 30X 3000K / 90 CRI 35X 3500K / 90 CRI 40X 4000K / 90 CRI | 2PBW (2) Black & (2) White Plastic Trims |

Example: **NMI-17030X2PBW / NMI-DVR12**- 1" M1 LED Module and (4) Plastic Trims / 12VDC 12W Non-Dimmable Hardwire Driver

M1 miniature recessed series features quality and convenience with easy installation for indoor applications. Luminaires include four plastic downlight trims, four optics and 6" quick connect. Series is available in four color temperatures (2700K, 3000K, 3500K or 4000K) and requires a 12V DC driver.

ELECTRICAL:

Input Voltage: 12V DC (requires driver, sold separately)

Lumens / Wattage: 100lm / 2W

Color Temperature: 2700K, 3000K, 3500K, 4000K or 5000K

Beam Spread: 15° Spot, 45° Narrow Flood (installed), 60° Flood (frosted) and 60° Flood (clear)

Color Rendering Index: 90+ CRI

Max. Run Length: Total combined runs cannot exceed 80'

Dimming: Triac / ELV

CONSTRUCTION: Threaded LED module allows for field changeable optics and trims.

LENS: LED module includes four plastic trims available in black and white finishes. Open downlight includes four optics for desired beam spread and output.

INSTALLATION: No housing is required, two tensions steel spring clips secure luminaire to surface.

LISTING & WARRANTY:

- cETLus Listed for Wet Locations, cabinet and type IC (NMI-170)
- cETLus Listed for Damp Locations, under-cabinet and/or type IC (LED drivers - consult spec sheet)
- ENERGY STAR certified
- 5-Year Limited Warranty
- FCC compliant
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements



Optional Accessories

| | |
|-----------------------------|--------------------------------------|
| NMI-RSS(finish) | Round Stainless Steel Trim |
| NMI-SSS(finish) | Square Stainless Steel Trim |
| NMI-RSSD(finish) | Round Stainless Steel Indicator Trim |
| NMI-RAEYELID(finish) | Round Scoop Trim |
| NMI-F | New Construction Frame-In |

Finish: B Black; BN Brushed Nickel; W White

NMI-DVR12 12VDC 12W Non-Dimmable Hardwire Driver

NAPKED-5040HW 12VDC 35W Dimmable Hardwire Driver

NAPKED-5060HW 12VDC 60W Dimmable Hardwire Driver

NMI-TM6 Splitter Cable (1 input - 6 output)

NMI-WH6 Wire Harness System (1 input - 6 output)

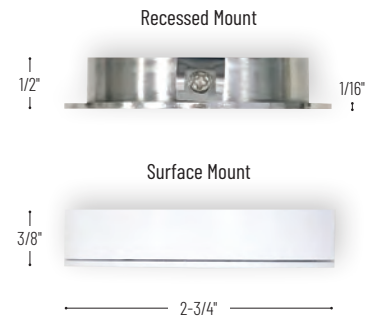
NMI-EXT(length) 6" to 240" Extension Cable

Length: 6 6"; 12 12"; 18 18"; 48 48"; 72 72"; 240 240"



LED PUCK LIGHT

12V JOSH 300LM



JOSH 12V LED PUCK LIGHT

| SERIES / LUMENS / WATTAGE | COLOR TEMP | FINISH |
|-----------------------------|-----------------|--------------------------|
| NMP-LED 300lm / 4.5W | 27 2700K | B Black |
| | 30 3000K | BN Brushed Nickel |
| | 35 3500K | W White |
| | 40 4000K | |

Example: **NMP-LED30B** - Josh LED Puck Light, 3000K, Black finish

Josh LED Puck Light is ideal for accent, under cabinet, in cabinet, display cases, niche, and other applications with limited space. These low-profile fixtures can be spaced together to provide excellent and even illumination on all surfaces. Josh may be recess or surface mounted with included surface mount housing. The Josh LED Puck Light produces no diode image, eliminates forward heat and has no UV or infrared rays to harm artwork, retail displays or heat sensitive foods. The LED Josh Puck produces more light than a traditional 20 watt xenon or halogen puck while consuming only 4.5 Watts.

FEATURES:

- Compact 1/2" deep by 2-3/4" diameter size makes it well suited to small spaces
- Easy installation
- Recessed or Surface Mounted
- Dimmable with dimmable power supply
- 22" wire included with each puck
- 12", 24", 38" and 48" accessory extension cables available
- No flicker delay or warm up like with compact fluorescent products
- No UV light or infrared wavelengths

ELECTRICAL:

- Voltage:** 12V DC
- Lumens / Wattage:** 300lm / 4.5W at 4000K
- Light Source:** 24 LEDs
- Color Rendering Index:** 90+ CRI
- Color Temperature:** 2700K, 3000K, 3500K, 4000K
- Maximum Length:** Six luminaires per run using connector block. Power up to 12 units per 60W power supply.

CONSTRUCTION: Die-cast aluminum, round, available in three different finishes: white and brushed nickel (both with 22" white cord), and black (includes 22" black cord).

MOUNTING: Puck light can be surface mounted with included surface mount housing or recessed without housing.

FINISHES:

Black (B), Brushed Nickel (BN) or White (W)

LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- ENERGY STAR certified
- ROHS compliant
- 5 Year Limited Warranty



LED PUCK LIGHT ACCESSORIES AND DRIVERS JOSH



6-Port Power Line Interconnect

| | |
|--------------------|-------|
| NMPA-6P-24B | Black |
| NMPA-6P-24W | White |

Terminal block connects up to six LED Josh Puck lights to a Nora driver. Includes 24" cord with RCA jack.



Extension Cable

| | |
|-------------------|-----------|
| NMPA-EW-12 | 12" Cable |
| NMPA-EW-24 | 24" Cable |
| NMPA-EW-36 | 36" Cable |
| NMPA-EW-48 | 48" Cable |

Finish: Black (B), White (W)

Used to extend the length of the cable from the puck to the terminal block. Linkable up to 110'.



2' Wire Raceway

| | |
|------------------|-------|
| NATL-422B | black |
| NATL-422W | white |

Field-cutable plastic. Includes wire channel with double faced tape and cover.



in-Line Touch Dimmer

NATL-518W

72W max., no power fail memory, touch on/off and hold to dim.



In-Line Motion Sensor

NAL-856W

12' Max activation distance; 20 second auto off; 120" detection zone; Max Load 4A.



Direct Plug-In LED Driver

| | |
|---------------------|-----------|
| NAPK-524/12 | Black 24W |
| NAPK-524W/12 | White 24W |
| NAPK-550/12 | Black 50W |

Voltage: 120V/12V

Wattage: 24W or 50W

Dimming: Non-Dimmable

Cable Length:

4' cord & plug and 60" power line connector for NAPK-550/12



Class II Hardwire LED Driver

| | |
|-----------------------|-----|
| NAPK-5030HW/12 | 30W |
| NAPK-5060HW/12 | 60W |

Voltage: 120-240V/12V

Wattage: 30W or 60W

Dimming: Non-Dimmable

Includes: 10' Power Line Connector



Class II Hardwire LED Driver with Regulator, MLV dimming

| | |
|--------------------|-----|
| NMTD-40/12D | 40W |
| NMTD-60/12D | 60W |

Voltage: 120-277V/12V

Wattage: 40W or 60W

Dimming: Magnetic Low Voltage

Regulator: Integral regulator for constant current and voltage

Includes: 10' Power Line Connector



Class II Hardwire LED Driver ELV dimming

| | |
|----------------------|---------|
| NAPKED-5040HW | 12V 35W |
| NAPKED-5060HW | 12V 60W |

Input Voltage: 120V

Dimming: Electronic Low Voltage

Includes: 10' Power Line Connector



Class II Hardwire LED Driver 0-10V dimming

| | |
|---------------------------|-----|
| NATL-5060-12-HWD10 | 60W |
|---------------------------|-----|

Voltage: 120-277V/12V

Wattage: 60W

Dimming: 0-10V

Includes: 10' Power Line Connector



Class II Hardwire LED Driver with Breakers, MLV dimming

| | |
|-----------------------|--------------|
| NMT-244/12C2D1 | 120/12V 240W |
| NMT-244/12C2D2 | 277/12V 240W |

Input Voltage: 120V or 277V

Dimming: Magnetic Low Voltage

Wattage: (4) 60W

Includes: (4) 10' Power Line Connectors



Power Line Connector

| | |
|-----------------|-----------|
| NALTL-10 | 10' Cable |
| NALTL-30 | 30' Cable |

For use with Class II drivers. Carries output from driver, requires power line cable.

5' Power Line Splitter

NATL-302W



Low Voltage Splice Box

NATL-415W

Use to join low voltage lead to low voltage power line connector or interconnector.



16AWG In-Wall Rated Wire

| | |
|-----------------------|------------|
| NATL-W16-2-250 | 16AWG 250' |
| NATL-W16-2-20 | 16AWG 20' |

16 AWG low voltage Class II two-conductor, in-wall rated wire.

MINI PUCK LIGHTS

12V LOW VOLTAGE XENON



Mini Xenon Grooved Trim w/ Housing

NM-127W White

DESCRIPTION: Die-cast aluminum housing included for surface mount or recessed installations. Luminaire includes clear and frosted UV lens, and 72" leads to connect to low voltage transformer.

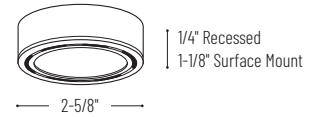
INPUT VOLTAGE: 12V

WATTAGE: 20W max.

LAMP TYPE: Xenon (included)

SOCKET: Bi-Pin G4

DIMENSIONS: Height: 1-1/8" surface mounted
1/4" recessed mounted
Diameter: 2-5/8"



Mini Xenon Smooth Trim w/ Housing

NM-128B Black

NM-128W White

DESCRIPTION: Die-cast aluminum housing included for surface mount or recessed installations. Luminaire includes clear and frosted UV lens, and 72" leads to connect to low voltage transformer.

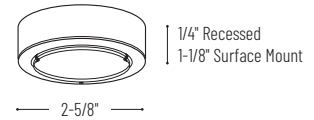
INPUT VOLTAGE: 12V

WATTAGE: 20W max.

LAMP TYPE: Xenon (included)

SOCKET: Bi-Pin G4

DIMENSIONS: Height: 1-1/8" surface mounted
1/4" recessed mounted
Diameter: 2-5/8"



Ultra-Slim Xenon Puck Light

NM-240B Black

NM-240C Chrome

NM-240W White

DESCRIPTION: Die-cast aluminum housing included for surface mount or recessed installations. Luminaire includes clear and frosted UV lens, and 23" leads to connect to low voltage transformer.

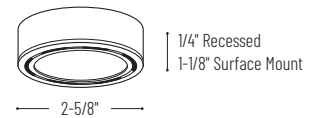
INPUT VOLTAGE: 12V

WATTAGE: 20W max.

LAMP TYPE: Xenon (included)

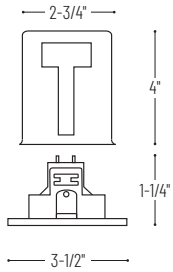
SOCKET: Bi-Pin G4

DIMENSIONS: Height: 1-1/8" surface mounted
1/4" recessed mounted
Diameter: 2-5/8"



MINI RECESSED DOWNLIGHTS

MR11 / MR16 12V LOW VOLTAGE



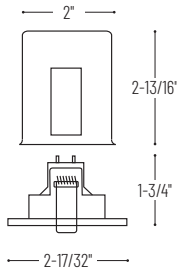
Mini MR16 Housing and Mini Halogen Surface Eyeball Trim

| | |
|-----------------------|---|
| NH-120B | Housing (Black) |
| NM-129W | Eyeball (White) |
| DESCRIPTION: | Miniature recessed MR16 eyeball allows adjustment up to 20°. Luminaire includes clear lens and 18" leads to connect to low voltage transformer. |
| INPUT VOLTAGE: | 12V |
| WATTAGE: | 35W max. |
| LAMP TYPE: | MR16 (not included) |
| SOCKET: | Bi-Pin GU5.3 |
| DIMENSIONS: | Height: 1-1/4" trim 4" housing Diameter: 3-1/2" |



Mini MR11 Housing and Mini Halogen Surface Eyeball Trim

| | |
|-----------------------|---|
| NH-121B | Housing (Black) |
| NM-130W | Eyeball (White) |
| DESCRIPTION: | Miniature recessed MR11 eyeball allows adjustment up to 20°. Luminaire includes clear lens and 18" leads to connect to low voltage transformer. |
| INPUT VOLTAGE: | 12V |
| WATTAGE: | 20W max. |
| LAMP TYPE: | MR11 (not included) |
| SOCKET: | Bi-Pin GU5.3 |
| DIMENSIONS: | Height: 1-3/4" trim 2-13/16" housing Diameter: 2-17/32" |



MINI RECESSED DOWNLIGHTS

12V LOW VOLTAGE MR11



MR11 Mini Halogen Reflector Downlight with Housing

NM-242B Black

DESCRIPTION: Die-cast recessed MR11 reflector downlight. Luminaire includes clear lens and 18" leads to connect to low voltage transformer.

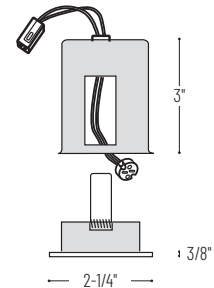
INPUT VOLTAGE: 12V

WATTAGE: 20W max.

LAMP TYPE: MR11 (not included)

SOCKET: Bi-Pin GU5.3

DIMENSIONS: Height: 3/8" trim
3" housing
Diameter: 2-1/4"



MR11 Mini Halogen Baffle Downlight with Housing

NM-243B Black

NM-244W White

DESCRIPTION: Die-cast recessed MR11 baffle downlight. Luminaire includes clear lens and 18" leads to connect to low voltage transformer.

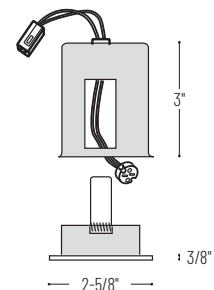
INPUT VOLTAGE: 12V

WATTAGE: 20W max.

LAMP TYPE: MR11 (not included)

SOCKET: Bi-Pin GU5.3

DIMENSIONS: Height: 3/8" trim
3" housing
Diameter: 2-5/8"



MR11 Mini Halogen Reflector Downlight with Housing

NM-245W Gimbal (White)

NM-246B Eyeball (Black)

DESCRIPTION: Die-cast recessed MR11 reflector downlight. Luminaire includes clear lens and 18" leads to connect to low voltage transformer.

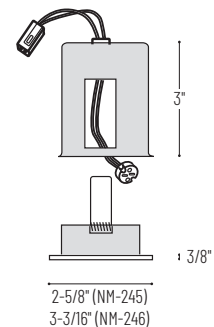
INPUT VOLTAGE: 12V

WATTAGE: 20W max.

LAMP TYPE: MR11 (not included)

SOCKET: Bi-Pin GU5.3

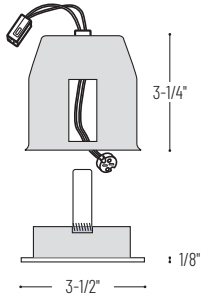
DIMENSIONS: Height: 3/8" trim
3" housing
Diameter: 2-5/8" NM-245
3-3/16" NM-246



MINI RECESSED DOWNLIGHTS

MR16 12V LOW VOLTAGE

MR16 Mini Halogen Baffle Downlight with Housing



NM-248B

Black

DESCRIPTION: Die-cast recessed MR16 baffle downlight. Luminaire includes clear lens and 18" leads to connect to low voltage transformer.

INPUT VOLTAGE: 12V

WATTAGE: 20W max.

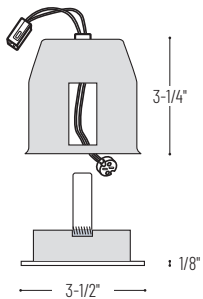
LAMP TYPE: MR16 (not included)

SOCKET: Bi-Pin GU5.3

DIMENSIONS: Height: 1/8" trim
3-1/4" housing
Diameter: 3-1/2"



MR16 Mini Halogen Adjustable Downlight with Housing



NM-249W

White

DESCRIPTION: Die-cast recessed MR16 gimbal allows adjustment up to 20°. Luminaire includes clear lens and 18" leads to connect to low voltage transformer.

INPUT VOLTAGE: 12V

WATTAGE: 20W max.

LAMP TYPE: MR16 (not included)

SOCKET: Bi-Pin GU5.3

DIMENSIONS: Height: 1/8" trim
3-1/4" housing
Diameter: 3-1/2"



LED DRIVERS

HARDWIRE AND PLUG-IN 12V AND 24V



NEXUS® All-In-One LED Driver and Dimmer

| | |
|-------------------------|---|
| NATL-SWEX100/24A | 24V 100W |
| NATL-SWEX60/12A | 12V 60W |
| NATL-SWEX/3FP | (3) Face Plates Almond, Brown, Black |

Input Voltage: 120V

Output Voltage: 12V or 24V

Installation: Fits in standard gang box

Features: Driver and Dimmer in one junction box with On/Off switch

Dimming: 100% to 5%

Compatibility: Standard Tape, Hy-Brite Tape, Lightbar, Side-Lit Tape, High Output Tape



Dimmable Class II Hardwire Magnetic Driver with Breakers

| | |
|-----------------------|-------------------|
| NMT-303/24C2D1 | 120V/24V (3) 100W |
| NMT-303/24C2D2 | 277V/24V (3) 100W |
| NMT-244/12C2D1 | 120V/12V (4) 60W |
| NMT-244/12C2D2 | 277V/12V (4) 60W |

Input Voltage: 120V or 277V

Output Voltage: 12V or 24V

Width: 8-1/2" **Length:** 13" **Height:** 4-3/8"

Includes: (3 or 4) 10' power line connector. (optional 30' power line connector ordered separately)

Dimming: Magnetic Low Voltage



Dimmable Class II Hardwire LED Driver Magnetic Dimming with Regulator for Constant Current & Voltage

| | |
|--------------------|---------|
| NMTD-60/24D | 24V 60W |
| NMTD-96/24D | 24V 96W |
| NMTD-40/12D | 12V 40W |
| NMTD-60/12D | 12V 60W |

Input Voltage: 120V-277V

Output Voltage: 12V or 24V

Input Voltage: 120/277V

Width: 3" **Length:** 14-1/4" **Height:** 2-7/8"

Includes: 10' power line connector. (optional 30' power line connector ordered separately)

Dimming: Magnetic Low Voltage



Dimmable Class II Hardwire LED Driver 0-10V Dimming

| | |
|---------------------------|---------|
| NATL-5096-24-HWD10 | 24V 96W |
| NATL-5060-12-HWD10 | 12V 60W |

Input Voltage: 120V-277V

Output Voltage: 12V or 24V

Width: 3-3/8" **Length:** 11-1/4" **Height:** 3-1/4"

Includes: 10' power line connector. (optional 30' power line connector ordered separately)

Dimming: 0-10V



Dimmable Class II Hardwire LED Driver ELV Dimming

| | |
|----------------------|---------|
| NATLED-5040HW | 24V 40W |
| NATLED-5075HW | 24V 75W |
| NAPKED-5040HW | 12V 35W |
| NAPKED-5060HW | 12V 60W |

Input Voltage: 120V

Output Voltage: 12V or 24V

Width: 2-1/8" **Length:** 9-1/2" **Height:** 1-1/2"

Includes: 10' power line connector. (optional 30' power line connector ordered separately)



Non-Dimmable Class II Hardwire LED Driver

| | |
|-----------------------|----------|
| NATL-5030HW | 24V 30W |
| NATL-5060HW | 24V 60W |
| NATL-5100HW | 24V 100W |
| NAPK-5030HW/12 | 12V 30W |
| NAPK-5060HW/12 | 12V 60W |

Input Voltage: 120V-240V

Output Voltage: 12V or 24V

Width: 3-3/8" **Length:** 11-1/4" **Height:** 3-1/4"

Includes: 10' power line connector. (optional 30' power line connector ordered separately)



Non-Dimmable Direct Plug-In Driver

| | | |
|---------------------|-------|---------|
| NATL-524W | White | 24V 24W |
| NATL-545W | White | 24V 45W |
| NAPK-524/12 | Black | 12V 24W |
| NAPK-524W/12 | White | 12V 24W |

Input Voltage: 120V

Output Voltage: 12V or 24V

Cord Length: 4' (12V) or 6' (24V)



Non-Dimmable Direct Plug-In Driver

| | | |
|--------------------|-------|---------|
| NATL-545CPW | White | 24V 45W |
| NATL-596W | White | 24V 96W |
| NAPK-550/12 | Black | 12V 50W |

Input Voltage: 120V

Output Voltage: 12V or 24V

Cord and Plug Length: NATL-545CPW (50"); NATL-596W (55"); NAPK-550/12 (72")

Power Line Connector Length: NATL-545CPW & NAPK-550/12 (60"); NATL-596W (44")

LED DRIVERS

ACCESSORIES HARDWIRE AND PLUG-IN



Power Line Connector for
12V & 24V Class II LED Drivers

NATL-10 10' Cable
NATL-30 30' Cable

Replaces 10' power line connector included with Class II LED Drivers. Compatible with 12V and 24V LED Drivers.



5' Power Line Splitter

NATL-302W 5' Cable

Splits power line connector into two separate leads, requires power line connector.



In-Line Touch Dimmer

NATL-518W

In-Line Dimmer will turn on/off with a single touch. Holding the sensor will dim the luminaire(s). Requires power line connector.
Maximum Load: 72W max.



In-Line Motion Sensor

NAL-856W 12V 60W

In-Line Motion Sensor will turn on/off when motion is detected within 12' and 120° around sensor.
Maximum Load: 4A max.



Low Voltage Splice Box

NATL-415W

Joins low voltage lead to low voltage power line connector or interconnector.



16 AWG In-Wall Rated Wire

NATL-W16-2-250 250' length
NATL-W16-2-20 20' length

16 AWG 2 Conductor Wire
Wire Gauge: 16 AWG
Length: 20' or 250'



Terminal / Splitter Block

NATL-407 4-Way
NATL-408 8-Way



2' Wire Raceway

NATL-422B Black
NATL-422W White

Field-cuttable plastic. Includes wire channel with double faced tape and cover.



J-Clips for Wire

NATL-404W White

Plastic clip used to mount wires to surface. Includes (10) plastic white clips.



Over Wire Clips

NATL-405W White

Plastic wire cover used to mount wires to surface. Includes (10) plastic white clips.



Wire Clips

NATL-406W White

Plastic clips used to mount wires to surface. Includes (10) plastic white clips.

TRANSFORMERS

12V ELECTRONIC



Lightech® Class II
Electronic Transformer

NETLED-060-LW End Feed

NETLED-060-LWBF Bottom Feed

Input Voltage: 120V

Output Voltage: 12V

Wattage: 3-60W (LED compatible)

Width: 1-7/8" Length: 3-1/8" Height: 1-1/4"

Dimming: Electronic Low Voltage



Electronic Class II Transformer
with Junction Box Plate

NRA-6061 Bottom Feed

Input Voltage: 120V

Output Voltage: 12V

Wattage: 3-60W (LED compatible)

Dimming: Electronic Low Voltage

Replacement: Replaces transformers on low voltage recessed housings.



Electronic Class II Transformer

NET-2060 Individual Box

Input Voltage: 120V

Output Voltage: 12V

Wattage: 60W

Width: 1-3/8" Length: 2-3/4" Height: 3/4"

Dimming: Electronic Low Voltage



Electronic Class II Transformer
with Cord and Plug

NET-060WP Black

NET-2060WP-B Black

NET-2060WP-W White

Input Voltage: 120V

Output Voltage: 12V

Wattage: 60W

Width: 1-1/4" Length: 3-1/4" Height: 3/4"

Dimming: Electronic Low Voltage



Premium Electronic Transformer

NET-2075 Individual Box

Input Voltage: 120V

Output Voltage: 12V

Wattage: 75W

Width: 1-3/8" Length: 3-1/4" Height: 7/8"

Dimming: Electronic Low Voltage



Premium Electronic Transformer

NET-2105 105W Individual Box

NET-2150 150W Individual Box

Input Voltage: 120V

Output Voltage: 12V

Wattage: 105W or 150W

Width: 1-3/4" Length: 4-1/4" Height: 1-1/4"

Dimming: Electronic Low Voltage



Economy Electronic Transformer

NET-060 60W

NET-075 75W

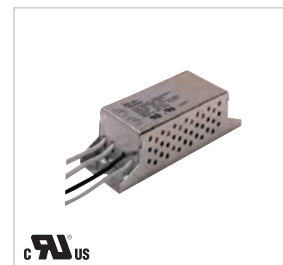
Input Voltage: 120V

Output Voltage: 12V

Wattage: 60W or 75W

Width: 1-7/8" Length: 3-1/8" Height: 1-1/4"

Dimming: Electronic Low Voltage



Economy Electronic Transformer

NET-105 105W

NET-150 150W

Input Voltage: 120V

Output Voltage: 12V

Wattage: 105W or 150W

Width: 1-3/4" Length: 5-1/8" Height: 1-3/8"

Dimming: Electronic Low Voltage



Metal Enclosure

NETB-1

For use with 60W or 75W electronic transformers

Width: 2" Length: 7" Height: 2"



Metal Enclosure

NETB-2

For use with 105W or 150W electronic transformers

Width: 3-3/4" Length: 6-5/8" Height: 2-1/4"





TRACK LIGHTING

Track Heads

LED DEDICATED · INDIRECT / WALL WASH · LINEAR · LOW VOLTAGE · LINE VOLTAGE

MAC & MAC XL SERIES

AC LED - Field Selectable Beam Spreads

Light Source: LED Dedicated
Lumen Output: 700lm or 1100lm
Beam Spread: Spot (included) and Flood (installed)

MAC LED Track fixtures have a sleek and simple style that fits any decor. The small, yet powerful fixture features a die-cast aluminum body that dissipates heat seamlessly, protecting the fixture for long term life and performance. The unique design allows the beam spreads to be changed in field; spot optic included and flood optic is installed. Series produces up to 1100 lumens at 2700K, 3000K, 3500K or 4000K @ 90+ CRI. Finishes include black, silver or white and can be specified with J-Style or L-Style track adapters.



T-LINE SERIES

Tunable LED Linear

Light Source: LED Dedicated
Lumen Output: 1600lm or 3200lm
Beam Spread: Symmetrical, Single Asymmetric or Double Asymmetric

Tunable T-Line linear series allows the end user to select between 3000K, 3500K or 4000K at the time of installation with a three-position switch. Luminaire runs parallel to the track for a uniform general lighting and includes a diffused lens for glare control and bright, even illumination producing 1600 (2) or 3400 (4) lumens. Optional asymmetrical lens directs light in one direction for wall washing or menu board light. A double asymmetric lens is excellent for aisle or hall lighting. Add a visor to asymmetric lens and completely hide the light source. Finishes include black, silver or white.



MAY SERIES

AC LED

Light Source: LED Dedicated
Lumen Output: 800lm
Beam Spread: 35° Narrow Flood

MAY LED Track fixtures have an eclectic style to fit any decor. The die-cast aluminum body helps dissipate heat and improve life. Small track head resembles line voltage fixtures without large driver enclosures. Track heads produce 800 lumens at 2700K, 3000K, 3500K or 4000K @ 90+ CRI. Finishes include black or white and can be specified with J-Style or L-Style track adapters.



JASON SERIES

High Lumen LED - Specifiable Beam Spreads

Light Source: LED Dedicated
Lumen Output: 1400lm to 2800lm
Beam Spread: 24° Spot, 40° Narrow Flood or 60° Flood

Jason LED Track fixtures feature die-cast aluminum construction with an integral driver in a clean, classic flat back cylinder style. Series is available in different shapes (round or square), lumen outputs and beam spreads. Fixtures produce up to 2800 lumens @ 80+ or 90+ CRI. Jason is ideal for retail and commercial applications where a minimalistic form is desired. Optional barndoor, snoot, louver or directional shield accessories are available. Finishes include black, silver or white.



DIPPER SERIES

LED Wall Wash / Indirect

Light Source: LED Dedicated
Lumen Output: 1000lm or 2300lm
Beam Spread: Wall Wash

Dipper LED Track fixtures use a polished reflector to spread an even bright wash of light with no source brightness. Available with track or canopy mount, the Dipper can be used in a ceiling installation or wall mounted to create discrete, indirect up light. Dipper Series is available in 8" or 12" lengths in black, silver or white finishes. Track heads produce 1000 (8") or 2300 (12") lumens at 3000K, 3500K or 4000K @ 90+ CRI. The Dipper is excellent for wall washing or indirect light in retail, hospitality, office and commercial applications.



AIDEN SERIES

LED - Specifiable Beam Spreads

Light Source: LED Dedicated
Lumen Output: 720lm to 2200lm
Beam Spread: Spot or Flood

Aiden LED Track Series is available in three different track heads styles, lumen outputs and beam spreads. Fixtures produce 720 (NTE-850L), 1150 (NTE-845L) or 2200 (NTE-842L) lumens at 2700K, 3000K or 4000K @ 80+ or 90+ CRI. Specifiable beam spreads allow for precise aiming in retail, commercial and residential environments. Finishes include white, black and silver and can be specified with J-Style or L-Style track adapters.



T-WASH SERIES

LED Wall Wash

Light Source: LED Dedicated
Lumen Output: 3000lm or 4460lm
Beam Spread: Wall Wash

T-Wash Wall Wash LED Track fixtures feature an architecturally-styled housing that includes the LED module, driver, reflector and a frosted lens for even light distribution. T-Wash Series is available in 12" Yoke Mounted or 24" Arm Mounted in black, silver or white finishes. Track heads produce 3000 (12") or 4460 (24") lumens. Designed to illuminate retail wall displays and areas of architectural interest.



STANDARD TRACK SERIES

Low Voltage / Line Voltage

Light Source: Low Voltage & Line Voltage
Lamps: MR16, MR16 GU10 and BR/PAR - LED compatible
Wattage: 3W to 250W

A variety of low voltage and line voltage track heads are available from 3W to 250W. Each fixture is compatible with LED lamps and offered in black, bronze, natural metal or white finishes. Limited amount of track heads are available with custom stem lengths to extend from track system for higher applications. A selection of pre-packaged track packs are available with 4 track, power feed and three track heads.



MAC LED TRACK

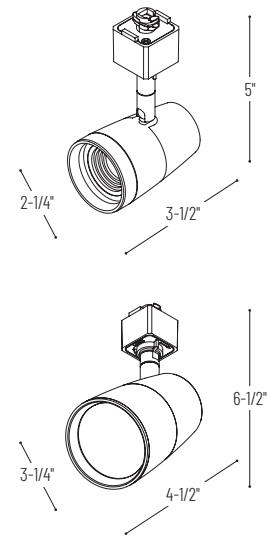
DEDICATED LED AC / NO DRIVER



NTE-870L
10W / 700lm



NTE-875L
18W / 1000lm



MAC & MAC XL LED TRACK FIXTURE

| SERIES | CCT / CRI | BEAM SPREAD | LUMENS / WATTAGE | FINISH | STYLE |
|-----------------|---------------------------|--|------------------------|---|-------------------|
| NTE-870L | 927 2700K / 90 CRI | X Spot (included) / Flood (installed) | 10 700lm / 10W | B Black S Silver W White | (blank) H-style |
| | 930 3000K / 90 CRI | | | | /J J-style |
| | 935 3500K / 90 CRI | | | | /L L-style |
| | 940 4000K / 90 CRI | | | | |
| NTE-875L | 927 2700K / 90 CRI | X Spot (included) / Flood (installed) | 18 1100lm / 18W | B Black S Silver W White | (blank) H-style |
| | 930 3000K / 90 CRI | | | | /J J-style |
| | 935 3500K / 90 CRI | | | | /L L-style |
| | 940 4000K / 90 CRI | | | | |

Order Example: **NTE-870L30X10B** - MAC LED Track Head, 3000K, 700lm / 10W, Black finish, H-Style Adapter

The MAC LED Track fixture has a sleek and simple style that fits any decor. The small, yet powerful fixture features a die-cast aluminum body that dissipates heat seamlessly, protecting the fixture for long term life and performance. The unique design allows the beam spreads to be changed in field; spot optic included and flood optic is installed. The track head resembles traditional line voltage fixtures without the large driver enclosures.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage:

700lm / 10W or 1100lm / 18W

Color Rendering Index: 90 CRI

Color Temperature: 2700K, 3000K, 3500K or 4000K

Dimming: ELV

CONSTRUCTION: Die-cast aluminum head and body for maximum heat dissipation.

BEAM SPREAD: Field adjustable beam spreads. spot (included) and flood (installed).

ADJUSTABILITY: 350° horizontal and 90° vertical rotation.

FINISH: White, black or silver finish.

COMPATIBILITY: One or two circuit track capable. H-style, three-wire track configuration. Optional J- or L-style must be specified. Note: fixtures may not be compatible with non-Nora monopoint adapters.

ACCESSORIES: NTE-875 can accommodate a hex louver, accessory holder is included.

NTE-875HC: Hex Louver, Black (NTE-875 only)

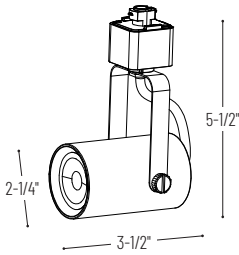
LISTING & WARRANTY:

- cULus Listed
- 5 Year Limited Warranty
- ENERGY STAR certified



MAY LED TRACK

AC / NO DRIVER DEDICATED LED



NTE-860L
10W / 800lm



NTE-860L
10W / 800lm

MAY LED TRACK FIXTURE

| SERIES | CCT / CRI | BEAM SPREAD | LUMENS / WATTAGE | FINISH | STYLE |
|-----------------|---------------------------|---------------------------|-----------------------|----------------------------------|-------------------|
| NTE-860L | 927 2700K / 90 CRI | M 35° Narrow Flood | 10 800lm / 10W | B Black W White | (blank) H-style |
| | 930 3000K / 90 CRI | | | | /J J-style |
| | 935 3500K / 90 CRI | | | | /L L-style |
| | 940 4000K / 90 CRI | | | | |

Order Example: **NTE-860L927M10B** - MAY LED Track Head, 800lm / 10W, 2700K / 90 CRI, 35° Narrow Flood, Black finish, H-Style Adapter

The MAY LED Track fixture has an eclectic style to fit any decor. The die-cast aluminum body helps dissipate heat and improve life. Small track head resembles line voltage fixtures without large driver enclosures.

ELECTRICAL:

Voltage: 120V

Wattage / Lumens: 800lm+ / 10W

Color Rendering Index: 90 CRI

Color Temperature: 2700K, 3000K, 3500K or 4000K

Dimming: Triac or ELV

CONSTRUCTION: Die-cast aluminum head and body for maximum heat dissipation.

BEAM SPREAD: 35° narrow flood.

ADJUSTABILITY: 350° horizontal and 90° vertical rotation.

FINISH: White or black finish.

COMPATIBILITY: One or two circuit track capable. H-style, three-wire track configuration.

Note: fixtures may not be compatible with non-Nora monopoint adapters.

LISTING & WARRANTY:

- cETLus Listed for dry locations
- ENERGY STAR certified
- 5-Year Limited Warranty
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements

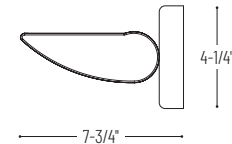
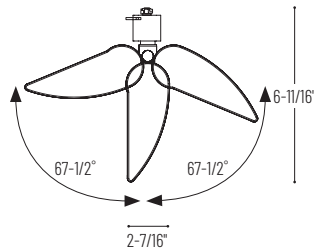
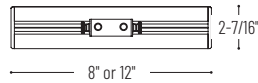


DIPPER LED TRACK

DEDICATED LED WALL WASH / INDIRECT



NTE-880315
8" / 1000lm / 15W
Shown with Track mount



NTEC-880330
12" / 2300lm / 30W
Shown with Canopy mount

DIPPER WALL WASH / INDIRECT LED TRACK FIXTURE

| SERIES | LENGTH / LUMENS / WATTAGE | CCT / CRI | FINISH | MOUNTING STYLE |
|--|------------------------------|--------------------------------------|-----------------|-----------------------------|
| NTE-8803 Track Mounted - 120V | 15 8" / 1000lm / 15W | 30 3000K / 90 CRI | B Black | (blank) H-style Track |
| | 30 12" / 2300lm / 30W | 35¹ 3500K / 90 CRI | S Silver | |
| | | 40 4000K / 90 CRI | W White | |
| NTEC-8803 Canopy Mounted - 120V or 277V | 15 8" / 1000lm / 15W | 30 3000K / 90 CRI | B Black | (blank) 4-1/4" Round Canopy |
| | 30 12" / 2300lm / 30W | 35¹ 3500K / 90 CRI | S Silver | |
| | | 40 4000K / 90 CRI | W White | |

¹ 3500K in Silver is special order

Order Example: **NTE-88031530W** - 8" Dipper LED Track Fixture, 1000lm / 15W, 3000K, White finish, H-Style Adapter

The Dipper track head uses a polished reflector to spread an even bright wash of light with no source brightness. Available with track or canopy mount, the Dipper can be used in a ceiling installation or wall mounted to create discrete, indirect up light. The Dipper is excellent for wall washing or indirect light in retail, hospitality, office and commercial applications.

ELECTRICAL:

Voltage: 120V (track) / 120V or 277V (canopy)

Lumens / Wattage:

8" - 1000lm / 15W

12" - 2300lm / 30W

Color Rendering Index: 90 CRI

Color Temperature:

3000K, 3500K (special order) or 4000K

Dimming: Triac or ELV

CONSTRUCTION: Die-cast aluminum body with indirect linear LED strip reflecting off a polished aluminum reflector providing excellent asymmetric wall washing.

MOUNTING: Track or canopy mount with double locking adaptors. The adaptor securely holds fixture in place while allowing horizontal and vertical adjustment. The monopoint can be mounted on the ceiling or on a wall for indirect lighting.

ADJUSTABILITY: 355° horizontal and 135° vertical rotation (track mount only). Monopoint is fixed and non-adjustable.

FINISH: White, black or silver finish.

COMPATIBILITY: One or two circuit track capable. H-style, three-wire track configuration.

Note: fixtures may not be compatible with non-Nora monopoint adapters.

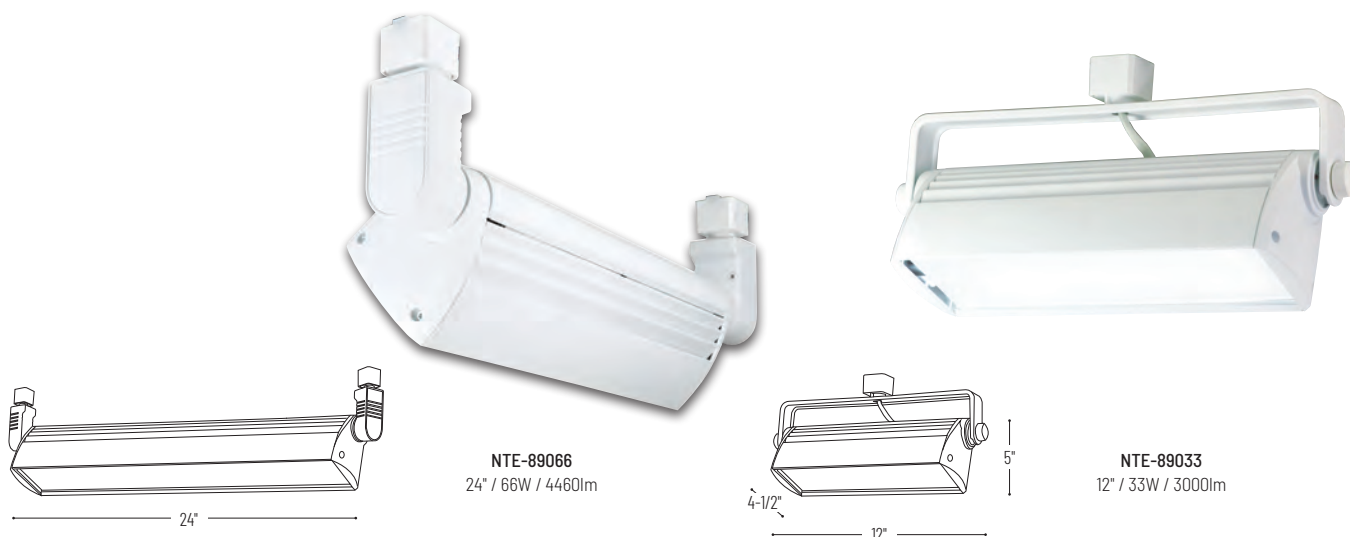
LISTING & WARRANTY:

- cULus Listed
- DLC Certified
- 5 Year Limited Warranty



T-WASH WALL WASH LED TRACK

ARM OR YOKE MOUNT DEDICATED LED



NTE-89066
24" / 66W / 4460lm

NTE-89033
12" / 33W / 3000lm

T-WASH WALL WASH LED TRACK FIXTURE

| SERIES | LENGTH / LUMENS / WATTAGE | COLOR TEMP | FINISH | STYLE |
|----------------|-----------------------------------|-----------------|-----------------------------------|--|
| NTE-890 | 33 12" Yoke / 3000lm / 33W | 30 3000K | B Black | (blank) H-style |
| | 66 24" Arm / 4460lm / 66W | 40 4000K | S Silver W White | /J J-style /L L-style |

Order Example: **NTE-8903330W** - 12" T-Wash LED Track Fixture, 3000lm / 33W, 3000K, White finish, H-Style Adapter

T-Wash Wall Wash LED Track fixture features an architecturally-styled housing that includes the LED module, driver, reflector and a frosted lens for even light distribution. Designed to illuminate retail wall displays and areas of architectural interest, the dimmable fixture is specifiable with H, J and L* adaptors. T-Wash is offered in two lengths/wattage/lumen packages. Both fixtures offer high power factor.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage:

12" - 3000lm / 33W

24" - 4460lm / 66W

Color Rendering Index: 80+ CRI

Color Temperature: 3000K or 4000K

Dimming: Triac or ELV

CONSTRUCTION: Heavy duty, die-cast aluminum body and end caps. Semi-specular aluminum reflector provides maximum LED output and frosted lens produces an even broadcast of light.

FINISH: White, silver or black heat rated baked enamel.

MOUNTING: Rigid steel yoke (12") or dual arm (24") mount connects fixture housing to electrical contact adapter.

ADJUSTABILITY: 358° horizontal (12" yoke mount only) and 90° vertical rotation.

COMPATIBILITY: One or two circuit track capable. H-style, three-wire track configuration. Optional J- or L-style must be specified. Note: fixtures may not be compatible with non-Nora monopoint adapters.

LISTING & WARRANTY:

- cULus Listed
- DLC Certified
- 5 Year Limited Warranty



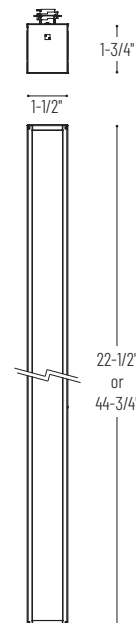
T-WASH OPTIONAL ACCESSORIES



- NTEL-8903** 12" Louver Accessory
- NTEL-8906** 24" Louver Accessory

T-LINE LINEAR LED TRACK

DEDICATED LED TUNABLE LINEAR



T-LINE TUNABLE LINEAR LED TRACK FIXTURE

| SERIES | LENGTH / LUMENS / WATTAGE | FINISH | MOUNTING STYLE |
|----------------|--|---|-----------------------|
| NTE-LIN | 2TW 2' / 1600lm / 20W 4TW 4' / 3200lm / 40W | B Black S Silver W White | (blank) H-style Track |

Order Example: **NTE-LIN2TWW** - 2' T-Line Tunable LED Track Fixture, 1600lm / 20W, White finish, H-Style Adapter

Tunable T-Line linear series allows the end user to select between 3000K, 3500K or 4000K at the time of installation with a three-position switch. Luminaire runs parallel to the track for a uniform general lighting and includes a diffused lens for glare control and bright, even illumination up to 3400 lumens. Optional asymmetrical lens directs light in one direction for wall washing or menu board light. A double asymmetric lens is excellent for aisle or hall lighting. Add a visor to asymmetric lens and completely hide the light source.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage:

2' - 1600lm / 20W

4' - 3200lm / 40W

Color Rendering Index: 90+ CRI

Color Temperature:

3000K/3500K/4000K selectable

Dimming: ELV

CONSTRUCTION: Die-cast aluminum construction dissipates heat for longer life. Luminaire includes a symmetrical frosted lens, asymmetrical lens is available.

MOUNTING: Luminaire snaps into the track at any point and is powered by rotating a lever that energizes the fixture and discretely blends with the fixture.

BEAM SPREAD: T-Line includes a frosted lens for a symmetric beam spread. Single asymmetric lens are used for wall washing or sign lighting. Double asymmetric lens are used for aisle of hallway lighting.

FINISH: White, black or silver finish.

COMPATIBILITY: One or two circuit track capable. H-style, three-wire track configuration. Note: fixtures are not be compatible with non-Nora monopoint adapters.

ACCESSORIES: Luminaire will accommodate (1) lens and (1) visor, no accessory holder is required.

NTE-LIN2SASYLENS: 2' Single Asymmetric Lens
NTE-LIN2DASYLENS: 2' Double Asymmetric Lens
NTE-LIN2VISB: 2' Visor, Black
NTE-LIN2VISS: 2' Visor, Silver
NTE-LIN2VISW: 2' Visor, White

NTE-LIN4SASYLENS: 4' Single Asymmetric Lens
NTE-LIN4DASYLENS: 4' Double Asymmetric Lens
NTE-LIN4VISB: 4' Visor, Black
NTE-LIN4VISS: 4' Visor, Silver
NTE-LIN4VISW: 4' Visor, White

LISTING & WARRANTY:

- cULus Listed
- ENERGY STAR certified
- 5 Year Limited Warranty



JASON LED TRACK

HIGH LUMEN / SPECIFIABLE BEAM SPREAD DEDICATED LED



NTE-855
Round

NTE-854
Square

JASON LED TRACK FIXTURE

| SERIES | LUMENS / WATTAGE | BEAM SPREAD | CCT / CRI | FINISH | STYLE |
|-----------------------|------------------------|---------------------------|---|---------------------------------|-----------------|
| NTE-854 Square | 18 1400lm / 18W | S 24° Spot | 35 3500K / 80 CRI | B Black | (blank) H-style |
| | 26 2200lm / 26W | M 40° Narrow Flood | 935 3500K / 90 CRI (2800lm only) | W White | |
| | 33 2800lm / 38W | F 60° Flood | | | |
| NTE-855 Round | 18 1400lm / 18W | S 24° Spot | 30 3000K / 80 CRI | B Black | |
| | 26 2200lm / 26W | M 40° Narrow Flood | 35 3500K / 80 CRI | S Silver (special order) | |
| | 33 2800lm / 38W | F 60° Flood | 40 4000K / 80 CRI | W White | |
| | | | 930 3000K / 90 CRI | | |
| | | | 935 3500K / 90 CRI | | |
| | | 940 4000K / 90 CRI | | | |

Order Example: **NTE-85526S35W** - Jason Round LED Track Head, 2200lm / 26W, 3500K / 80 CRI, White finish, H-Style Adapter

The Jason LED track head features die-cast aluminum construction with an integral driver in a clean, classic flat back cylinder style. Offered in spot, narrow flood or flood beam spreads in three lumen outputs, the high performance Jason is ideal for retail and commercial applications where a minimalistic form is desired. Jason's three lumen outputs use the same housing for a uniform look.

ELECTRICAL:

Voltage: 120V

Wattage / Lumens:

1400lm / 18W

2200lm / 26W

2800lm / 38W

Color Rendering Index: 80 or 90 CRI

Color Temperature: 3000K, 3500K or 4000K

Dimming: Triac or ELV

CONSTRUCTION: Round or square style, die-cast aluminum head and body for maximum heat dissipation, with integral driver. Clear glass lens is included.

BEAM SPREAD: Specify 24° spot, 40° narrow flood or 60° flood.

ADJUSTABILITY: 350° horizontal and 90° vertical rotation.

FINISH: White, black or silver finish.

COMPATIBILITY: One or two circuit track capable. H-style, three-wire track configuration.

Note: fixtures may not be compatible with non-Nora monopoint adapters.

LISTING & WARRANTY:

- cULus Listed
- DLC Listed
- 5 Year Limited Warranty

ACCESSORIES: Luminaire will accommodate (1) glass or louver and (1) barn door or snoot, no accessory holder is required.

NTE-855BDB: Barndoor, Black (NTE-855 only)

NTE-855BDW: Barndoor, White (NTE-855 only)

NTE-855SN: Snoot, Black

NTE-855SNWW: Directional Shield, Black

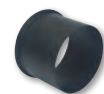
NTE-855HC: Honeycomb Louver

NTE-855FG: Frosted Glass

NTE-855CG: Clear Glass



NTE-855BD



NTE-855SN



NTE-855SNWW



NTE-855FG



NTE-855HC



AIDEN LED TRACK

DEDICATED LED 720LM TO 2200LM



Includes cylindrical cap for alternative look

NTE-850L
720lm / 10W

NTE-845L
1150lm / 15W

NTE-842L
2200lm / 35W

AIDEN LED TRACK FIXTURE

| SERIES | COLOR TEMP / CRI | BEAM SPREAD | LUMENS / WATTAGE | FINISH | STYLE |
|-----------------|---------------------------|---|------------------------|---|-------------------|
| NTE-842L | 30 3000K / 80 CRI | F 43° Flood | 35 2200lm / 35W | B Black S Silver W White | (blank) H-style |
| | 930 3000K / 90 CRI | S 23° Spot | | | /J J-style |
| | 40 4000K / 80 CRI | | | | /L L-style |
| | 940 4000K / 90 CRI | | | | |
| NTE-845L | 30 3000K / 80 CRI | X 19° Spot included / 40° Flood installed | 15 1150lm / 15W | B Black S Silver W White | (blank) H-style |
| | 930 3000K / 90 CRI | | | | /J J-style |
| | 40 4000K / 80 CRI | | | | /L L-style |
| | 940 4000K / 90 CRI | | | | |
| NTE-850L | 27 2700K / 80 CRI | X 23° Spot included / 43° Flood installed | 10A 720lm / 10W | B Black S Silver W White | (blank) H-style |
| | 927 2700K / 90 CRI | | | | /J J-style |
| | 30 3000K / 80 CRI | | | | |
| | 930 3000K / 90 CRI | | | | |
| | 40 4000K / 80 CRI | | | | |
| | 940 4000K / 90 CRI | | | | |

Order Example: **NTE-842L30S35B** - Aiden LED Track Fixture, 2200lm / 35W, 3000K, Spot Beam Spread, Black finish, H-Style Adapter

Aiden is a cULus listed, high-lumen LED track head available in three wattages, two different beam spreads and can be adjusted 350° horizontally and 90° vertically. Designed for use in retail, commercial and residential environments, heat-dissipating fins optimize heat management. Aiden is offered in three color temperatures: 2700K warm white (NTE-850 only), 3000K warm white and 4000K cool white. Aiden has one- or two-circuit track capability and comes in standard H-style or optional J- or L-style. Finishes include white, black and silver.

ELECTRICAL:

Voltage: 120V dimmable

Lumens / Wattage:

720lm / 10W

1150lm / 15W

2200lm / 35W

Color Rendering Index: 80+ or 90+ CRI

Color Temperature: 2700K, 3000K or 4000K

Dimming: Triac or ELV

CONSTRUCTION: Die-cast aluminum head and body for maximum heat dissipation, with integral driver.

ADJUSTABILITY: 350° horizontal and 90° vertical rotation.

FINISH: White, black or silver finish.

COMPATIBILITY: H-style, three-wire track configuration. Optional J- (entire series can be specified with J) or L-style (NTE-842L and NTE-845 only) must be specified. Note: fixtures may not be compatible with non-Nora monopoint adapters.

LISTING & WARRANTY:

- cULus Listed
- 5 Year Limited Warranty





VERSA TRACK SERIES

LOW VOLTAGE LED COMPATIBLE

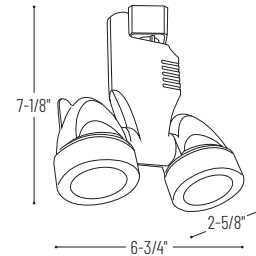
MR16 low voltage track heads with dimmable electronic drivers/transformers are now compatible with MR16 LED or halogen lamps. The Versa Track Series features six models designed for accent lighting in a range of applications, including restaurant dining or lounge areas, in-store retail displays and residential settings. Versa Track's integral electronic driver/transformer is rated for 3 to 60 watt loads. The zero low-end allowance ensures a longer LED consistent performance and life.



Versa V-Tech Dual Head with Dimmable Driver

| | | |
|----------------------------|---------|--------|
| NTLE-8265(finish) | H-STYLE | 3W-50W |
| NTLE-8265(finish)/J | J-STYLE | 3W-50W |
| NTLE-8265(finish)/L | L-STYLE | 3W-50W |

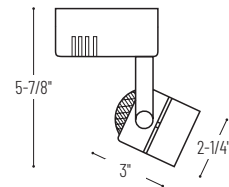
LAMP: 3W-25W (per head) LED/Halogen MR16 (not included)
FINISH: **B** Black, **W** White
DIMENSIONS: Length: 6-3/4" Diameter: 2-7/8"
 Maximum Extension: 7-1/8"
LISTING: cULus listed



Versa Cube with Dimmable Driver

| | | |
|-------------------------|--------------|--------|
| NTLE-202(finish) | H OR J-STYLE | 3W-50W |
|-------------------------|--------------|--------|

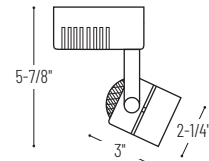
LAMP: 3W-50W LED/Halogen MR16 (not included)
FINISH: **B** Black, **W** White
DIMENSIONS: Length: 3" Diameter: 2-1/4"
 Maximum Extension: 5-7/8"
LISTING: cULus listed



Versa Cylinder with Dimmable Driver

| | | |
|-------------------------|--------------|--------|
| NTLE-203(finish) | H OR J-STYLE | 3W-50W |
|-------------------------|--------------|--------|

LAMP: 3W-50W LED/Halogen MR16 (not included)
FINISH: **B** Black, **BZ** Bronze, **N** Natural Metal, **W** White
DIMENSIONS: Length: 3" Diameter: 2-1/4"
 Maximum Extension: 5-7/8"
LISTING: cULus listed

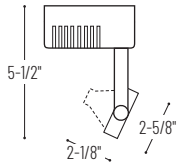


- Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information

VERSA TRACK SERIES

LED COMPATIBLE LOW VOLTAGE

MR16 low voltage track heads with dimmable electronic drivers/transformers are now compatible with MR16 LED or halogen lamps. The Versa Track Series features six models designed for accent lighting in a range of applications, including restaurant dining or lounge areas, in-store retail displays and residential settings. Versa Track's integral electronic driver/transformer is rated for 3 to 60 watt loads. The zero low-end allowance ensures a longer LED consistent performance and life.

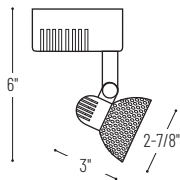


Versa Gimbal Ring with Dimmable Driver

NTLE-207(finish) H OR J-STYLE 3W-50W

LAMP: 3W-50W LED/Halogen MR16 (not included)
FINISH: **B** Black, **BZ** Bronze, **N** Natural Metal, **W** White
DIMENSIONS: Length: 2-1/8" Diameter: 2-5/8"
 Maximum Extension: 5-1/2"
LISTING: cULus listed

• Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information

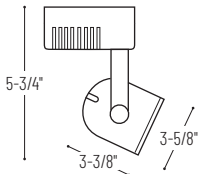


Versa Wireback with Dimmable Driver

NTLE-213(finish) H OR J-STYLE 3W-50W

LAMP: 3W-50W LED/Halogen MR16 (not included)
FINISH: **B** Black, **BZ** Bronze, **N** Natural Metal, **W** White
DIMENSIONS: Length: 3" Diameter: 2-7/8"
 Maximum Extension: 6"
LISTING: cULus listed

• Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information



Versa Roundback with Dimmable Driver

NTLE-214(finish) H OR J-STYLE 3W-50W

LAMP: 3W-50W LED/Halogen MR16 (not included)
FINISH: **B** Black, **W** White
DIMENSIONS: Length: 3-3/8" Diameter: 3-5/8"
 Maximum Extension: 5-3/4"
LISTING: cULus listed

• Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information





H, J AND L STYLE ADAPTERS LED COMPATIBLE PAR TRACK

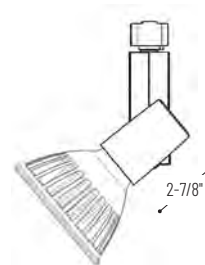
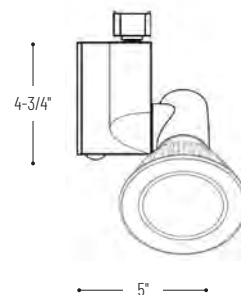
REMOTE CONTROL REVO TRACK



NTH-REVHHR
one remote control
transmitter controls
all models

Adjust track lighting
from below...without a
ladder!

*According to OSHA, ladders are the single
leading cause of occupational injury.*



REVO REMOTE CONTROL LED COMPATIBLE PAR TRACK

| SERIES | FINISH | STYLE |
|-------------------|----------------------------------|---|
| NTH-REV150 | B Black W White | (blank) H-style /J J-style /L L-style |
| NTH-REVHHR | Remote Control | |

Order Example: **NTH-REV150W** - Revo, Black finish, H-Style Adapter

REVO, the industry's first affordable motorized track head that can be adjusted with a hand-held remote. A single REVO remote can re-position any REVO track head in an installation. Once a fixture is selected, radio signals control the fixture so there is no need to aim the transmitter during adjustments. REVO heads can be rotated horizontally (340° rotation) or vertically (200° rotation). REVO features a universal E26 lamp socket that accepts LED, halogen, CFL, R, BR and PAR bulbs. The unit is designed for use in retail stores, art galleries, hospitality or event venues, and any other high-ceilinged site where track heads need to be maneuvered. REVO is one- or two-circuit track compatible and available in H, J and L styles. It is dimmable to 10 percent, and adjustable when dimmed. Finishes are offered in black and white.

ADVANTAGES:

- Save time, money and fatigue. Achieve in minutes what used to take hours
- Create a safer work environment. According to OSHA, falls from portable ladders are one of the leading causes of occupational fatalities and injuries
- Change displays frequently and increase sales through visual interest
- No longer settle for improperly aimed lighting because:
 - You need to rent a scissor-lift
 - You don't own a 16' foot ladder
 - You need a maintenance crew
- Easy to retrofit - no programming or special installation is required

CONSTRUCTION: Die-cast aluminum with powder coat finish.

FINISH: White, black or silver finish.

STYLE: H, J, or L Style

DIMENSIONS:

Width: 5"
Length: 2-7/8"
Maximum Extension: 4-3/4"

SOCKET: Medium base

WATTAGE: 90W max.

LISTING: cULus listed

LINE VOLTAGE H, J AND L STYLE ADAPTERS

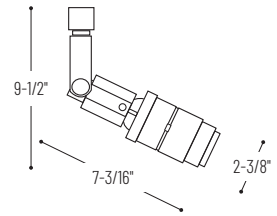
MR16 GU10 LED COMPATIBLE



Michaelangelo™ Framing Projector

| | |
|---------------------------|---------|
| NTH-613S(finish) | H-STYLE |
| NTH-613S(finish)/J | J-STYLE |
| NTH-613S(finish)/L | L-STYLE |

FINISH: Silver
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 7-3/16" Dia.: 2-3/8" Max Ext.: 9-1/2"

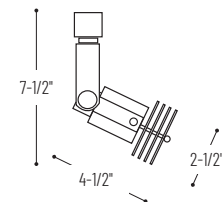


Galileo™ Dual Ring Face

| | |
|-------------------|---------|
| NTH-614S | H-STYLE |
| NTH-614S/J | J-STYLE |
| NTH-614S/L | L-STYLE |

FINISH: Silver
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 4-1/2" Dia.: 2-1/2" Max Ext.: 7-1/2"

· Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information

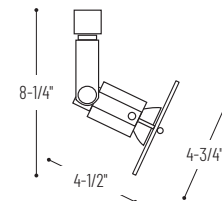


Copernicus™ Glass Disk Face

| | |
|-------------------|---------|
| NTH-616S | H-STYLE |
| NTH-616S/J | J-STYLE |
| NTH-616S/L | L-STYLE |

FINISH: Silver
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 4-1/2" Dia.: 4-3/4" Max Ext.: 8-1/4"

· Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information

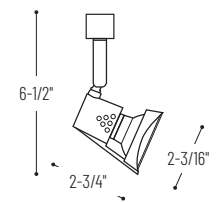


Italia™

| | |
|--------------------------|---------|
| NTH-618(finish) | H-STYLE |
| NTH-618(finish)/J | J-STYLE |
| NTH-618(finish)/L | L-STYLE |

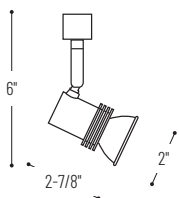
FINISH: B Black, S Silver, W White
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 2-3/4" Dia.: 2-3/16" Max Ext.: 6-1/2"

· Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information



H, J AND L STYLE ADAPTERS **LINE VOLTAGE**

LED COMPATIBLE **MR16 GU10**

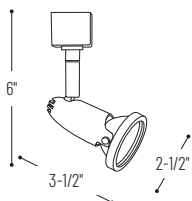


Metro™

| | |
|--------------------------|---------|
| NTH-619(finish) | H-STYLE |
| NTH-619(finish)/J | J-STYLE |
| NTH-619(finish)/L | L-STYLE |

FINISH: B Black, S Silver, W White
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 2-7/8" Dia.: 2" Max Ext.: 6"

· Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information

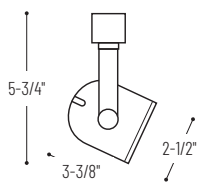


Stockholm™

| | |
|--------------------------|---------|
| NTH-620(finish) | H-STYLE |
| NTH-620(finish)/J | J-STYLE |
| NTH-620(finish)/L | L-STYLE |

FINISH: B Black, S Silver, W White
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 3-1/2" Dia.: 2-1/2" Max Ext.: 6"

· Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information



Roundback with Black Baffle

| | |
|--------------------------|---------|
| NTH-694(finish) | H-STYLE |
| NTH-694(finish)/J | J-STYLE |
| NTH-694(finish)/L | L-STYLE |

FINISH: B Black, W White
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 3-3/8" Dia.: 2-1/2" Max Ext.: 5-3/4"

· Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information



LINE VOLTAGE H, J AND L STYLE ADAPTERS

MR16 GU10 & R/PAR20 LED COMPATIBLE

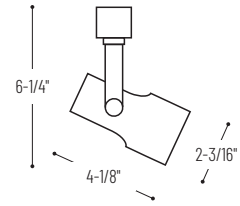


Telescope

| | |
|--------------------------|---------|
| NTH-695(finish) | H-STYLE |
| NTH-695(finish)/J | J-STYLE |
| NTH-695(finish)/L | L-STYLE |

FINISH: B Black, W White
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 4-1/8" Dia.: 3" Max Ext.: 6-1/4"

· Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information

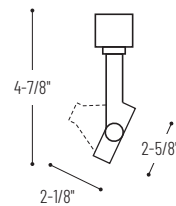


Lensed Gimbal Ring

| | |
|--------------------------|---------|
| NTH-697(finish) | H-STYLE |
| NTH-697(finish)/J | J-STYLE |
| NTH-697(finish)/L | L-STYLE |

FINISH: B Black, S Silver, W White
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 2-1/8" Dia.: 2-5/8" Max Ext.: 4-7/8"

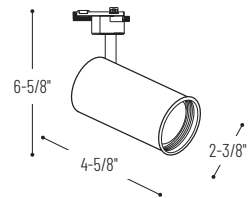
· Custom stem lengths available in six-inch increments from 12" to 48"
 Consult factory for more information



Architectural Cylinder

| | |
|------------------------|---------|
| NTH-910(finish) | H-STYLE |
|------------------------|---------|

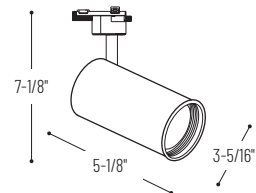
FEATURE: Architectural die-cast construction
FINISH: B Black, S Silver, W White
LAMP: 50W MR16 GU10 max. (not included)
DIMENSIONS: Length: 4-1/2" Dia.: 2-1/2" Max Ext.: 6"



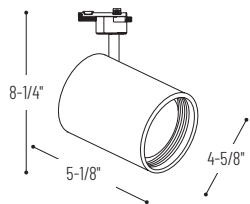
PAR20 Architectural Cylinder

| | |
|------------------------|---------|
| NTH-920(finish) | H-STYLE |
|------------------------|---------|

FINISH: B Black, W White
LAMP: 50W R/PAR20 max. (not included)
DIMENSIONS: Length: 5-1/8" Dia.: 3-5/16" Max Ext.: 7-1/8"



H, J AND L STYLE ADAPTERS **LINE VOLTAGE**
LED COMPATIBLE **BR/PAR**

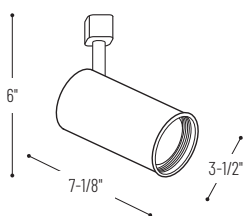


PAR30 Architectural Cylinder

NTH-930(finish)

H-STYLE

FINISH: B Black, W White
LAMP: 75W BR/PAR30 max. (not included)
DIMENSIONS: Length: 5-1/8" Dia.: 4-5/8" Max Ext.: 8-1/4"



R/PAR20 Flatback Cylinder with Black Baffle

NTH-101(finish)

H-STYLE

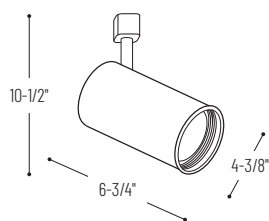
NTH-101(finish)/J

J-STYLE

NTH-101(finish)/L

L-STYLE

FINISH: B Black, W White
LAMP: 50W R/PAR20 max. (not included)
DIMENSIONS: Length: 6" Dia.: 3-1/2" Max Ext.: 7-1/8"



BR/PAR30 Flatback Cylinder with Black Baffle

NTH-102(finish)

H-STYLE

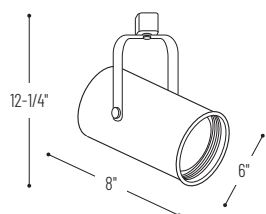
NTH-102(finish)/J

J-STYLE

NTH-102(finish)/L

L-STYLE

FINISH: B Black, W White
LAMP: 75W BR/PAR30 max. (not included)
DIMENSIONS: Length: 6-3/4" Dia.: 4-3/8" Max Ext.: 10-1/2"



BR/PAR38 Flatback Cylinder with Black Baffle

NTH-113(finish)

H-STYLE

NTH-113(finish)/J

J-STYLE

NTH-113(finish)/L

L-STYLE

FEATURE: Architectural die-cast construction
FINISH: B Black, N Natural Metal, W White
LAMP: 150W BR40/PAR38 max. (not included)
DIMENSIONS: Length: 8" Dia.: 6" Max Ext.: 12-1/4"



LINE VOLTAGE H, J AND L STYLE ADAPTERS

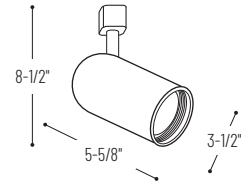
BR/PAR LED COMPATIBLE



R/PAR20 Roundback Cylinder with Black Baffle

| | |
|--------------------------|---------|
| NTH-105(finish) | H-STYLE |
| NTH-105(finish)/J | J-STYLE |
| NTH-105(finish)/L | L-STYLE |

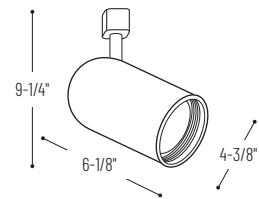
FINISH: B Black, BZ Bronze, N Natural Metal, W White
LAMP: 50W R/PAR20 max. (not included)
DIMENSIONS: Length: 5-5/8" Dia.: 3-1/2" Max Ext.: 8-1/2"



BR/PAR30 Roundback Cylinder with Black Baffle

| | |
|--------------------------|---------|
| NTH-106(finish) | H-STYLE |
| NTH-106(finish)/J | J-STYLE |
| NTH-106(finish)/L | L-STYLE |

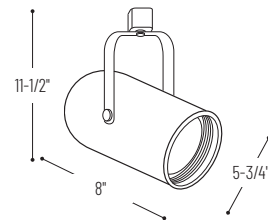
FINISH: B Black, BZ Bronze, N Natural Metal, W White
LAMP: 75W BR/PAR30 max. (not included)
DIMENSIONS: Length: 6-1/8" Dia.: 4-3/8" Max Ext.: 9-1/4"



BR/PAR38 Roundback Cylinder with Black Baffle

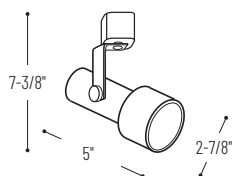
| | |
|--------------------------|---------|
| NTH-131(finish) | H-STYLE |
| NTH-131(finish)/J | J-STYLE |
| NTH-131(finish)/L | L-STYLE |

FINISH: B Black, W White
LAMP: 100W PAR38; 150W R/BR40 max. (not included)
DIMENSIONS: Length: 8" Dia.: 5-3/4" Max Ext.: 11-1/2"



H, J AND L STYLE ADAPTERS **LINE VOLTAGE**

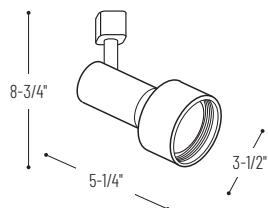
LED COMPATIBLE BR/PAR



R/PAR20 Designer Step Cylinder

| | |
|--------------------------|---------|
| NTH-122(finish) | H-STYLE |
| NTH-122(finish)/J | J-STYLE |
| NTH-122(finish)/L | L-STYLE |

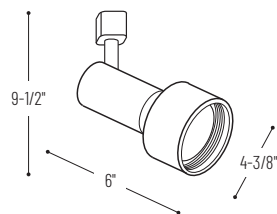
FINISH: B Black, BZ Bronze, W White
LAMP: 50W R/PAR20 max. (not included)
DIMENSIONS: Length: 5" Dia.: 2-7/8" Max Ext.: 7-3/8"



R/PAR20 Step Cylinder with Black Baffle

| | |
|--------------------------|---------|
| NTH-103(finish) | H-STYLE |
| NTH-103(finish)/J | J-STYLE |
| NTH-103(finish)/L | L-STYLE |

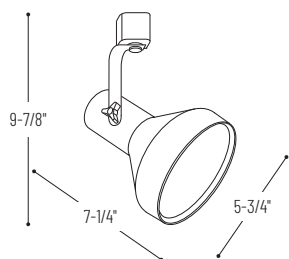
FINISH: B Black, W White
LAMP: 50W R/PAR20 max. (not included)
DIMENSIONS: Length: 5-1/4" Dia.: 3-1/2" Max Ext.: 8-3/4"



BR/PAR30 Step Cylinder with Black Baffle

| | |
|--------------------------|---------|
| NTH-104(finish) | H-STYLE |
| NTH-104(finish)/J | J-STYLE |
| NTH-104(finish)/L | L-STYLE |

FINISH: B Black, BZ Bronze, W White
LAMP: 75W BR/PAR30 max. (not included)
DIMENSIONS: Length: 6" Dia.: 4-3/8" Max Ext.: 9-1/2"



BR/PAR38 Cone

| | |
|--------------------------|---------|
| NTH-151(finish) | H-STYLE |
| NTH-151(finish)/J | J-STYLE |
| NTH-151(finish)/L | L-STYLE |

FINISH: B Black, S Silver, W White
LAMP: 250W BR40/PAR38 max. (not included)
DIMENSIONS: Length: 7-1/4" Dia.: 5-3/4" Max Ext.: 9-7/8"



LINE VOLTAGE H, J AND L STYLE ADAPTERS

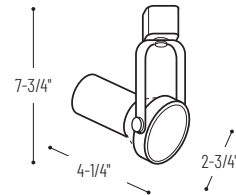
BR/PAR LED COMPATIBLE



PAR20 Rear Loading Gimbal Ring

| | |
|--------------------------|---------|
| NTH-112(finish) | H-STYLE |
| NTH-112(finish)/J | J-STYLE |
| NTH-112(finish)/L | L-STYLE |

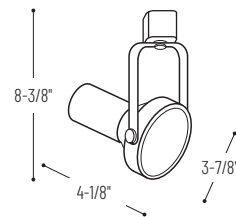
FINISH: B Black, BZ Bronze, N Natural Metal, W White
LAMP: 50W PAR20 max. (not included)
DIMENSIONS: Length: 4-1/4" Dia.: 2-3/4" Max Ext.: 7-3/4"



PAR30 Rear Loading Gimbal Ring

| | |
|--------------------------|---------|
| NTH-107(finish) | H-STYLE |
| NTH-107(finish)/J | J-STYLE |
| NTH-107(finish)/L | L-STYLE |

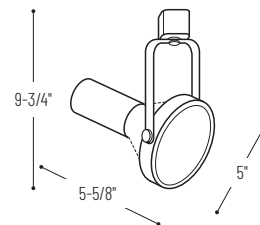
FINISH: B Black, BZ Bronze, N Natural Metal, S Silver, W White
LAMP: 75W PAR30 max. (not included)
DIMENSIONS: Length: 4-1/8" Dia.: 3-7/8" Max Ext.: 8-3/8"



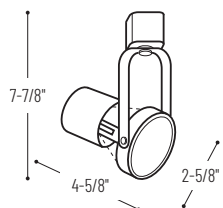
PAR38 Rear Loading Gimbal Ring

| | |
|--------------------------|---------|
| NTH-108(finish) | H-STYLE |
| NTH-108(finish)/J | J-STYLE |
| NTH-108(finish)/L | L-STYLE |

FINISH: B Black, BZ Bronze, N Natural Metal, S Silver, W White
LAMP: 150W PAR38 max. (not included)
DIMENSIONS: Length: 5-5/8" Dia.: 5" Max Ext.: 9-3/4"



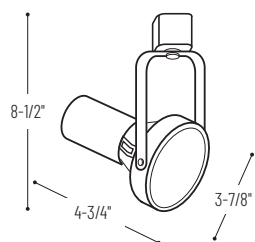
H, J AND L STYLE ADAPTERS **LINE VOLTAGE**
LED COMPATIBLE **BR/PAR**



PAR20 Front Loading Gimbal Ring

| | |
|--------------------------|---------|
| NTH-146(finish) | H-STYLE |
| NTH-146(finish)/J | J-STYLE |
| NTH-146(finish)/L | L-STYLE |

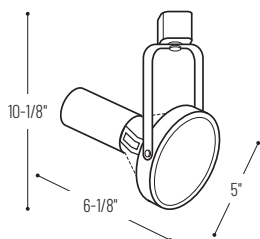
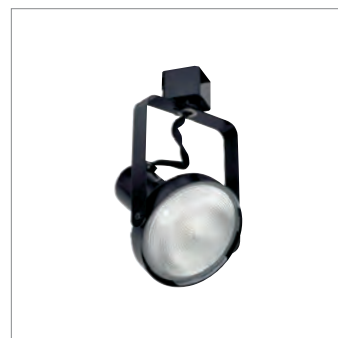
FINISH: B Black, W White
LAMP: 50W PAR20 max. (not included)
DIMENSIONS: Length: 4-5/8" Dia.: 2-5/8" Max Ext.: 7-7/8"



PAR30 Front Loading Gimbal Ring

| | |
|--------------------------|---------|
| NTH-147(finish) | H-STYLE |
| NTH-147(finish)/J | J-STYLE |
| NTH-147(finish)/L | L-STYLE |

FINISH: B Black, W White
LAMP: 75W PAR30 max. (not included)
DIMENSIONS: Length: 4-3/4" Dia.: 3-7/8" Max Ext.: 8-1/2"



PAR38 Front Loading Gimbal Ring

| | |
|--------------------------|---------|
| NTH-148(finish) | H-STYLE |
| NTH-148(finish)/J | J-STYLE |
| NTH-148(finish)/L | L-STYLE |

FINISH: B Black, W White
LAMP: 150W PAR38 max. (not included)
DIMENSIONS: Length: 6-1/8" Dia.: 5" Max Ext.: 10-1/8"



LINE VOLTAGE H, J AND L STYLE ADAPTERS

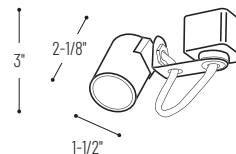
BR/PAR LED COMPATIBLE



Low Profile Universal Lamp Holder

| | |
|-------------------|---------|
| NTH-115W | H-STYLE |
| NTH-115W/J | J-STYLE |
| NTH-115W/L | L-STYLE |

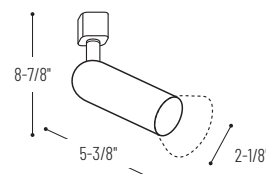
FINISH: White
LAMP: 50W R/PAR20, 75W BR/PAR30, 150W BR40/PAR38 max. (not included)
DIMENSIONS: Length: 2-1/8" Dia.: 1-1/2" Max Ext.: 3"



Designer Roundback Universal

| | |
|--------------------------|---------|
| NTH-119(finish) | H-STYLE |
| NTH-119(finish)/J | J-STYLE |
| NTH-119(finish)/L | L-STYLE |

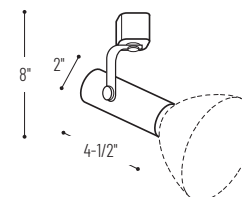
FINISH: B Black, S Silver, W White
LAMP: 50W R/PAR20, 75W BR/PAR30, 100W PAR38 max. (not included)
DIMENSIONS: Length: 5-3/8" Dia.: 2-1/8" Max Ext.: 8-7/8"



Adjustable Socket Universal Lamp Holder

| | |
|--------------------------|---------|
| NTH-109(finish) | H-STYLE |
| NTH-109(finish)/J | J-STYLE |
| NTH-109(finish)/L | L-STYLE |

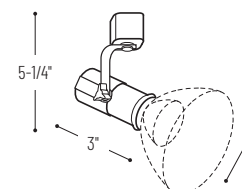
FEATURE: Adjustable socket for different lamp types
FINISH: B Black, N Natural Metal, W White
LAMP: 75W PAR16, 50W R/PAR20, 75W PAR30, 250W PAR38 max. (not included)
DIMENSIONS: Length: 4-1/2" Dia.: 2" Max Ext.: 8"



Truly Universal Lamp Holder with Retractable Shroud

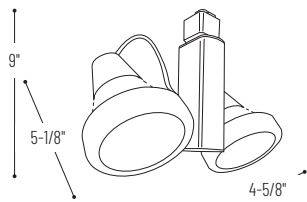
| | |
|--------------------------|---------|
| NTH-138(finish) | H-STYLE |
| NTH-138(finish)/J | J-STYLE |
| NTH-138(finish)/L | L-STYLE |

FINISH: B Black, W White
LAMP: 60W PAR16, 50W R/PAR20, 75W BR/PAR30, 150W BR40/PAR38 max. (not included)
DIMENSIONS: Length: 3" Dia.: 2" Max Ext.: 5-1/4"



H, J AND L STYLE ADAPTERS **LINE VOLTAGE**

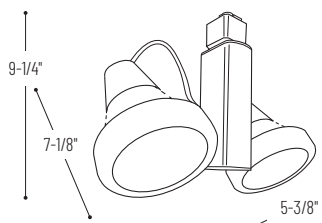
LED COMPATIBLE **BR/PAR**



PAR30 Duet Dual Head

| | |
|--------------------------|---------|
| NTH-883(finish) | H-STYLE |
| NTH-883(finish)/J | J-STYLE |
| NTH-883(finish)/L | L-STYLE |

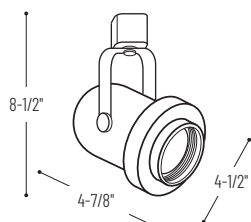
FINISH: B Black, W White
LAMP: (2) 75W PAR30 max. (not included)
DIMENSIONS: Length: 6-7/8" Dia.: 4-9/16" Max Ext.: 9" Width: 11"



PAR38 Duet Dual Head

| | |
|--------------------------|---------|
| NTH-884(finish) | H-STYLE |
| NTH-884(finish)/J | J-STYLE |
| NTH-884(finish)/L | L-STYLE |

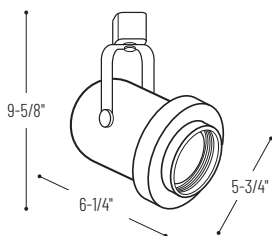
FINISH: B Black, W White
LAMP: (2) 150W PAR38 max. (not included)
DIMENSIONS: Length: 7-1/8" Dia.: 5-3/8" Max Ext.: 9-1/4" Width: 12-1/2"



R/PAR20 Classic Cylinder

| | |
|--------------------------|---------|
| NTH-110(finish) | H-STYLE |
| NTH-110(finish)/J | J-STYLE |
| NTH-110(finish)/L | L-STYLE |

FINISH: B Black, BZ Bronze, W White
LAMP: 50W R/PAR20 max. (not included)
DIMENSIONS: Length: 4-7/8" Dia.: 4-1/2" Max Ext.: 8-1/2"



BR/PAR30 Classic Cylinder

| | |
|--------------------------|---------|
| NTH-111(finish) | H-STYLE |
| NTH-111(finish)/J | J-STYLE |
| NTH-111(finish)/L | L-STYLE |

FINISH: B Black, BZ Bronze, W White
LAMP: 75W BR/PAR30 max. (not included)
DIMENSIONS: Length: 6-1/4" Dia.: 5-3/4" Max Ext.: 9-5/8"



LINE VOLTAGE H, J AND L STYLE ADAPTERS

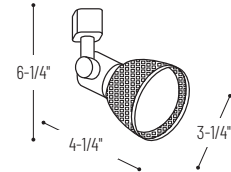
BR/PAR LED COMPATIBLE



PAR20 Wireback Cone

| | |
|-------------------|---------|
| NTH-123W | H-STYLE |
| NTH-123W/J | J-STYLE |
| NTH-123W/L | L-STYLE |

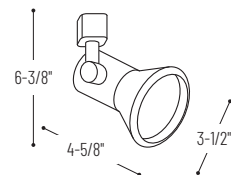
FINISH: White
LAMP: 50W R/PAR20 max. (not included)
DIMENSIONS: Length: 4-1/4" Dia.: 3-1/4" Max Ext.: 6-1/4"



R/PAR20 Cone

| | |
|--------------------------|---------|
| NTH-124(finish) | H-STYLE |
| NTH-124(finish)/J | J-STYLE |
| NTH-124(finish)/L | L-STYLE |

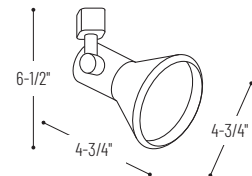
FINISH: B Black, BZ Bronze, S Silver, W White
LAMP: 50W R/PAR20 max. (not included)
DIMENSIONS: Length: 4-5/8" Dia.: 3-1/2" Max Ext.: 6-3/8"



BR/PAR30 Cone

| | |
|--------------------------|---------|
| NTH-125(finish) | H-STYLE |
| NTH-125(finish)/J | J-STYLE |
| NTH-125(finish)/L | L-STYLE |

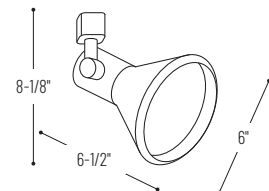
FINISH: B Black, BZ Bronze, S Silver, W White
LAMP: 75W R/PAR20 max. (not included)
DIMENSIONS: Length: 4-3/4" Dia.: 4-3/4" Max Ext.: 6-1/2"



BR/PAR38 Cone

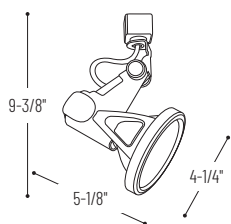
| | |
|--------------------------|---------|
| NTH-126(finish) | H-STYLE |
| NTH-126(finish)/J | J-STYLE |
| NTH-126(finish)/L | L-STYLE |

FINISH: B Black, W White
LAMP: 150W BR40/PAR38 max. (not included)
DIMENSIONS: Length: 6-1/2" Dia.: 6" Max Ext.: 8-1/8"



H, J AND L STYLE ADAPTERS **LINE VOLTAGE**

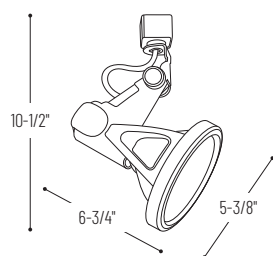
LED COMPATIBLE **BR/PAR**



PAR30 Belgium™ Front Loading Die-Cast Gimbal

| | |
|--------------------------|---------|
| NTH-132(finish) | H-STYLE |
| NTH-132(finish)/J | J-STYLE |
| NTH-132(finish)/L | L-STYLE |

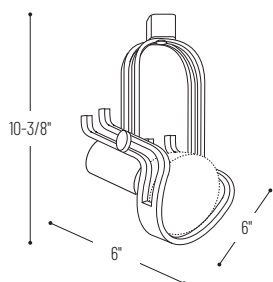
FINISH: B Black, S Silver, W White
LAMP: 75W PAR30 max. (not included)
DIMENSIONS: Length: 5-1/8" Dia.: 4-1/4" Max Ext.: 9-3/8"



PAR38 Belgium™ Front Loading Die-Cast Gimbal

| | |
|--------------------------|---------|
| NTH-133(finish) | H-STYLE |
| NTH-133(finish)/J | J-STYLE |
| NTH-133(finish)/L | L-STYLE |

FINISH: B Black, S Silver, W White
LAMP: 90W PAR38 max. (not included)
DIMENSIONS: Length: 6-3/4" Dia.: 5-3/8" Max Ext.: 10-1/2"



PAR38 High-Tech Wire

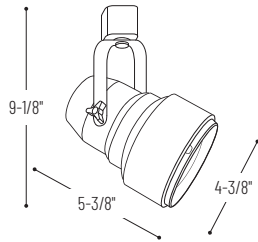
| | |
|--------------------------|---------|
| NTH-178(finish) | H-STYLE |
| NTH-178(finish)/J | J-STYLE |
| NTH-178(finish)/L | L-STYLE |

FINISH: B Black, W White
LAMP: 250W PAR38 max. (not included)
DIMENSIONS: Length: 6" Dia.: 6" Max Ext.: 10-3/8"





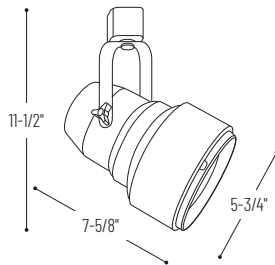
H, J AND L STYLE ADAPTERS **LINE VOLTAGE**
LED COMPATIBLE **BR/PAR**



BR/PAR30 Shroud

| | |
|--------------------------|---------|
| NTH-149(finish) | H-STYLE |
| NTH-149(finish)/J | J-STYLE |
| NTH-149(finish)/L | L-STYLE |

FINISH: B Black, S Silver, W White
LAMP: 75W BR/PAR30 max. (not included)
DIMENSIONS: Length: 5-3/8" Dia.: 4-3/8" Max Ext.: 9-1/8"



BR/PAR38 Shroud

| | |
|--------------------------|---------|
| NTH-150(finish) | H-STYLE |
| NTH-150(finish)/J | J-STYLE |
| NTH-150(finish)/L | L-STYLE |

FINISH: B Black, S Silver, W White
LAMP: 250W BR40/PAR38 max. (not included)
DIMENSIONS: Length: 7-5/8" Dia.: 5-3/4" Max Ext.: 11-1/2"



TRACK PACKS

DEDICATED LED TRACK AND LUMINAIRES INCLUDED

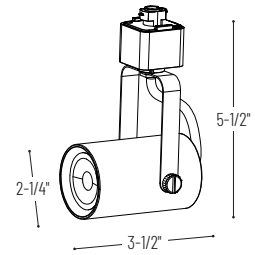


800lm MAY LED Track Pack

NTLE-860(K)(F) 700lm / 10W

CCT / CRI (K): 927 2700K / 90 CRI, 930 3000K / 90 CRI
935 3500K / 90 CRI, 940 4000K / 90 CRI

BEAM SPREAD: Narrow Flood
FINISH (F): B Black, W White
LUMEN/WATT: 800lm+ / 10W per head
TRACK LENGTH: 4' Track and power feed included

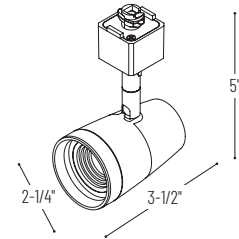


700lm MAC LED Track Pack

NTLE-870(K)(F) 700lm / 10W

CCT / CRI (K): 927 2700K / 90 CRI, 930 3000K / 90 CRI
935 3500K / 90 CRI, 940 4000K / 90 CRI

BEAM SPREAD: Flood installed, Spot (included)
FINISH (F): B Black, S Silver, W White
LUMEN/WATT: 700lm / 10W per head
TRACK LENGTH: 4' Track and power feed included

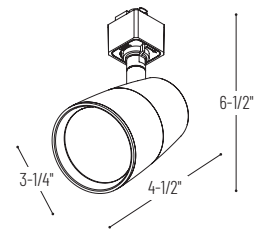


1100lm MAC XL LED Track Pack

NTLE-875(K)(F) 1100lm / 18W

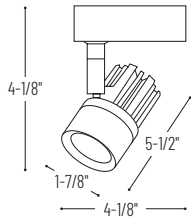
CCT / CRI (K): 927 2700K / 90 CRI, 930 3000K / 90 CRI
935 3500K / 90 CRI, 940 4000K / 90 CRI

BEAM SPREAD: Flood installed, Spot (included)
FINISH (F): B Black, S Silver, W White
LUMEN/WATT: 1100lm / 18W per head
TRACK LENGTH: 4' Track and power feed included



TRACK PACKS

TRACK AND LUMINAIRES INCLUDED DEDICATED LED



720lm Aiden LED Track Pack

NTLE-850(K)(F)

720lm / 10W

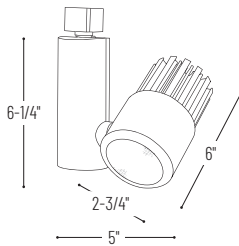
CCT / CRI (K): 27 2700K / 80 CRI, 927 2700K / 90 CRI
 30 3000K / 80 CRI, 930 3000K / 90 CRI
 40 4000K / 80 CRI, 940 4000K / 90 CRI

BEAM SPREAD: Flood installed, Spot (included)

FINISH (F): B Black, S Silver, W White

LUMEN/WATT: 720lm / 10W per head

TRACK LENGTH: 4' Track and power feed included



1150lm Aiden LED Track Pack

NTLE-845(K)(F)

1150lm / 15W

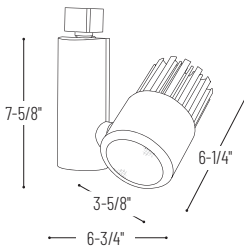
CCT / CRI (K): 30 3000K / 80 CRI, 930 3000K / 90 CRI
 40 4000K / 80 CRI, 940 4000K / 90 CRI

BEAM SPREAD: Flood installed, Spot (included)

FINISH (F): B Black, S Silver, W White

LUMEN/WATT: 1150lm / 15W per head

TRACK LENGTH: 4' Track and power feed included



2200lm Aiden LED Track Pack

NTLE-842(K)(B)(F)

2200lm / 35W

CCT / CRI (K): 30 3000K / 80 CRI, 930 3000K / 90 CRI
 40 4000K / 80 CRI, 940 4000K / 90 CRI

BEAM SPREAD (B): F Flood, S Spot

FINISH (F): B Black, S Silver, W White

LUMEN/WATT: 2200lm / 35W per head

TRACK LENGTH: 4' Track and power feed included



TRACK PACKS

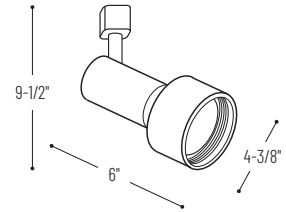
LINE VOLTAGE LED COMPATIBLE



BR/PAR30 Step Cylinder Track Pack

| | |
|------------------|---------------------|
| NTL-150B | BLACK, THREE HEADS |
| NTL-150BZ | BRONZE, THREE HEADS |

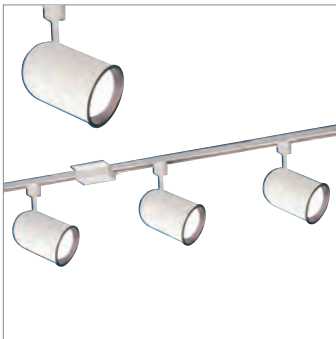
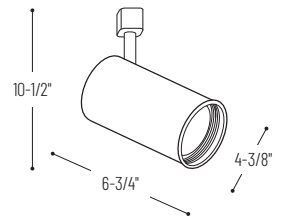
FINISH: B Black, BZ Bronze
LAMP: 75W BR/PAR30 max. per head (not included)
TRACK LENGTH: 4' Track and power feed included



BR/PAR30 Flatback Cylinder Track Pack

| | |
|--------------------|--------------------|
| NTL-151B | BLACK, THREE HEADS |
| NTL-151 | WHITE, THREE HEADS |
| NTL-151/2HB | BLACK, TWO HEADS |
| NTL-151/2H | WHITE, TWO HEADS |

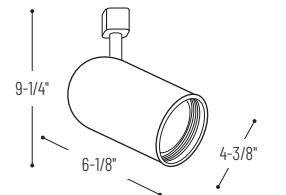
FINISH: B Black, W White
LAMP: 75W BR/PAR30 max. per head (not included)
TRACK LENGTH: 4' Track and power feed included



BR/PAR30 Roundback Cylinder Track Pack

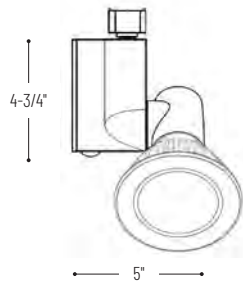
| | |
|-------------------|-------------|
| NTL-156 | THREE HEADS |
| NTL-156/2H | TWO HEADS |
| NTL-156/4H | FOUR HEADS |

FINISH: White
LAMP: 75W BR/PAR30 max. per head (not included)
TRACK LENGTH: 4' Track and power feed included



TRACK PACKS

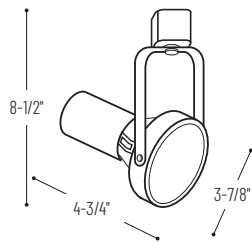
LED COMPATIBLE LINE VOLTAGE



REVO Motorized Track Pack

| | |
|----------------------|--------------------|
| NTHK4-REV150B | BLACK, THREE HEADS |
| NTHK4-REV150W | WHITE, THREE HEADS |

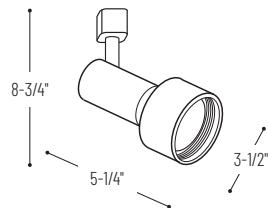
FINISH: B Black, W White
LAMP: 90W PAR20, PAR30, PAR38 max. per head (not included)
TRACK LENGTH: 4' Track, power feed and REVO remote included



BR/PAR30 Gimbal Ring Track Pack

| | |
|---------------------------|-------------|
| NTL-158(finish) | THREE HEADS |
| NTL-158/4H(finish) | FOUR HEADS |

FINISH: B Black, BZ Bronze, N Natural Metal, S Silver, W White
LAMP: 75W BR/PAR30 max. per head (not included)
TRACK LENGTH: 4' Track and power feed included



R/PAR20 Step Cylinder Track Pack

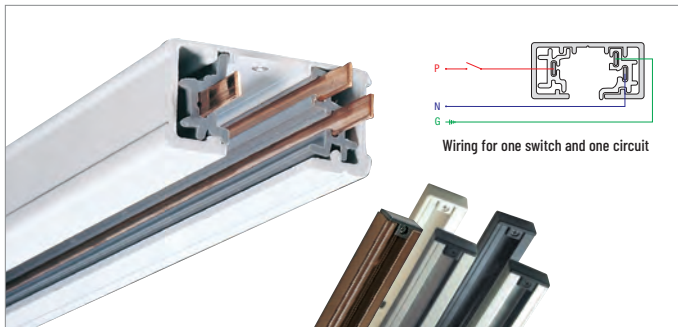
| | |
|----------------|------------------|
| NTL-172 | WHITE, TWO HEADS |
|----------------|------------------|

FINISH: White
LAMP: 50W R/PAR20 max. per head (not included)
TRACK LENGTH: 2' Track and power feed included



TRACK COMPONENTS

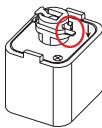
ONE AND TWO CIRCUIT TRACK



ONE-CIRCUIT TRACK SYSTEM

With its miniature size and push in connectors, Nora's one-circuit track system provides versatility for every lighting application. The system is designed and engineered for safety and ease of installation. Rated for a maximum of 2400 watts, Nora's one-circuit track is supported by a full line of accessories. For more control, additional switched feed points can be made with additional connectors.

To use a track fixture on a single-circuit track system, the line contact at the top of the track fixture must be in the lower position. To move the lever from the upper to the lower position, simply push lever down with the edge of a standard screwdriver.



One-Circuit Track

| | |
|----------------|--|
| NT-301 | H-Style 2' Track (24-1/4" actual length*) |
| NT-302 | H-Style 4' Track (48-1/4" actual length*) |
| NT-303 | H-Style 6' Track (72-1/4" actual length*) not available in BZ |
| NT-304A | H-Style 8' Track (92-3/8" actual length*) |
| NT-331 | H-Style 12' Track (144-1/4" actual length*) not available in BZ, N |

* measurement includes end caps

Rating: 120V, 20A Circuit, 2400W

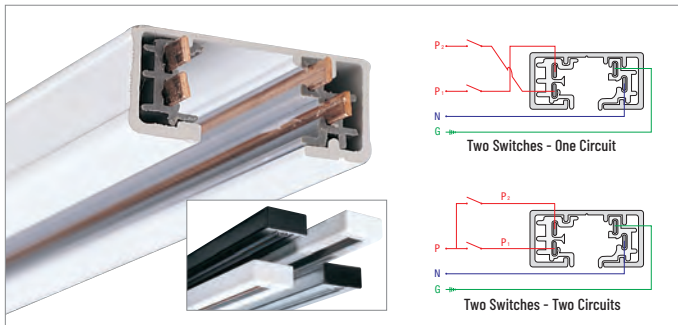
Finish: B Black, BZ Bronze, N Natural Metal, S Silver, W White

Dimensions: Width: 1-3/4" Height: 5/8"

Includes: Dead-end caps and mounting hardware

SPECIFICATIONS

- Miniature extruded aluminum channel
- Push-in connections
- Solid, 12-gauge copper conductors in PVC insulators
- Separate, full-length ground conductor
- Available in black, bronze, natural metal, silver, white
- Available in 2', 4', 6', 8' and 12' lengths
- Compatible with most common 3-wire systems
- Rated for maximum of 2400 watts
- Visual polarity groove indicates proper electrical installation
- Size is only 5/8" high x 1-3/4" wide, can be field cut to desired length
- 120V Line Voltage only

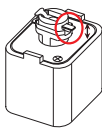


TWO-CIRCUIT TRACK SYSTEM

Providing versatility for every lighting need, two-circuit track's miniature size, contemporary finishes, and push-in connectors combine to make it perfect for residential or commercial use. This track system is ideal for single or double switching, allowing greater control for various illumination levels. Dual dimming is allowed with use of a single-phase neutral circuit.

Nora Lighting's Two-Circuit Track System is designed for use when two separately controlled circuits are required on one section of track. Each circuit is rated for 2400 watts and will allow you to control two individual sets of fixtures.* The use of two-circuit track eliminates the need for long, separate feed runs, thus saving installation costs. A full line of fixtures and accessories enhance the flexibility of design and installation.

To use a track fixture on a two-circuit track system, the line contact at the top of the track fixture must be in the upper position for one- circuit or the lower position for the 2nd circuit. To move the lever from the lower to the upper position, push the lever up with edge of standard screw driver.



Two-Circuit Track

| | |
|-----------------|---|
| NT-2301 | H-Style 2' Track (24-1/4" actual length*) |
| NT-2302 | H-Style 4' Track (48-1/4" actual length*) |
| NT-2303 | H-Style 6' Track (72-1/4" actual length*) |
| NT-2304A | H-Style 8' Track (92-3/8" actual length*) |

* measurement includes end caps

Rating: 120V, (2) 20A Circuits, 2400W each circuit

Finish: B Black, S Silver, W White

Dimensions: Width: 1-3/4" Height: 5/8"

Includes: Dead-end caps and mounting hardware

SPECIFICATIONS

- Miniature extruded aluminum channel
- Push-in connections
- Separate, full-length ground conductor
- Available in black, silver, white
- Available in 4', 6' and 8' lengths
- Can be field cut to desired length
- Size is only 5/8" high x 1-3/4" wide
- Compatible with most common 2-circuit, 4-wire systems
- Rated for double capacity 4800W of maximum performance
- Dual dimming (requires single-phase only neutral circuit)
- Ideal for single or double switching
- Visual polarity groove indicates proper electrical installation
- Solid, 12-gauge copper conductors in PVC insulators
- 120V Line Voltage only

*Note: If dimming two-circuit track to different levels, shared neutral circuit must be connected to a single-phase neutral source for clean, noise-free operation

TRACK COMPONENTS

ONE AND TWO CIRCUIT RECESSED TRACK HOUSING

Recessed track housing mounts into a hard ceiling or can be used in a T-Bar ceiling. The housing will accommodate the Nora NT-300 or NT-2300 series track and connectors. The track is recessed into the housing, giving the ceiling a clean, architectural appearance. Please note, Recessed track requires additional framing in hard ceilings.



Recessed Track Housing

NTRT-4(finish) 4'

NTRT-8(finish)A 8'

FINISH: B Black, W White
DIMENSIONS: Width: 2-3/4" Height: 1-1/2"
COMPATIBLE TRACK: 4' = NT-302, NT-2302
 8' = NT-304A, NT-2304A



Straight Connector for Recessed Track Housing

NTRT-10B Black
NTRT-10W White

For use with recessed track housing and straight connector. Allows straight connector to sit recessed into ceiling.
 Compatible Fixtures: NT-312, NT-2312



L-Connector for Recessed Track Housing

NTRT-13B Black
NTRT-13W White

For use with recessed track housing and L-connector. Allows L-connector to sit recessed into ceiling.
 Compatible Fixtures: NT-313, NT-2313



T-Connector for Recessed Track Housing

NTRT-14B Black
NTRT-14W White

For use with recessed track housing and T-connector. Allows T-connector to sit recessed into ceiling.
 Compatible Fixtures: NT-314, NT-2314



X-Connector for Recessed Track Housing

NTRT-15B Black
NTRT-15W White

For use with recessed track housing and X-connector. Allows X-connector to sit recessed into ceiling.
 Compatible Fixtures: NT-315, NT-2315



End Feed for Recessed Track Housing

NTRT-16B Black
NTRT-16W White

For use with recessed track housing and end feed. Allows end feed to sit recessed into ceiling.
 Compatible Fixtures: NT-316, NT-2316



Dead End for Recessed Track Housing

NTRT-18B Black
NTRT-18W White

For use with recessed track housing and dead end cap. Finishes off a track run and recessed track housing.
 Compatible Fixtures: NT-318, NT-2318



TRACK COMPONENTS

ONE AND TWO CIRCUIT CURRENT LIMITER

CURRENT LIMITER END FEEDS

| ONE-CIRCUIT | | TWO-CIRCUIT | |
|----------------------------|--------------|-----------------------------|--------------|
| CATALOG NO. | AMPS / WATTS | CATALOG NO. | AMPS / WATTS |
| NT-348(finish)/0.5A | 0.5A / 60W | NT-2348(finish)/0.5A | 0.5A / 60W |
| NT-348(finish)/1A | 1A / 120W | NT-2348(finish)/1A | 1A / 120W |
| NT-348(finish)/1.5A | 1.5A / 180W | NT-2348(finish)/1.5A | 1.5A / 180W |
| NT-348(finish)/2.5A | 2.5A / 300W | NT-2348(finish)/2.5A | 2.5A / 300W |
| NT-348(finish)/4A | 4.5A / 540W | NT-2348(finish)/4A | 4.5A / 540W |
| NT-348(finish)/5A | 5A / 600W | NT-2348(finish)/5A | 5A / 600W |
| NT-348(finish)/7.5A | 7.5A / 850W | NT-2348(finish)/7.5A | 7.5A / 850W |
| NT-348(finish)/10A | 10A / 1200W | NT-2348(finish)/10A | 10A / 1200W |
| NT-348(finish)/12A | 12A / 1440W | NT-2348(finish)/12A | 12A / 1440W |
| NT-348(finish)/14A | 14A / 1680W | NT-2348(finish)/14A | 14A / 1680W |

Finish: **B** Black, **S** Silver, **W** White

Example: **NT-2348W/2.5A** - Two-Circuit, End Feed, White Finish, 2.5A Circuit Breaker



CURRENT LIMITER

Nora Lighting's Current Limiter is the solution you've been looking for. Can be used to comply with code required watts per square foot restrictions including California's 2016 Title 24 - part 6 High Efficacy LED light source requirements. Nora's Current Limiter is a cULus Listed line voltage Track power feed with an integral circuit breaker that limits the current load on the track to a specified amperage/wattage.

Seven different available breaker amperages allow you to customize your design to match the actual wattage being consumed by the specified fixtures, instead of the standard 45 Watts per linear foot of track. Circuit breakers are available from 1 Amp to 14 Amps. Contact factory for custom amperages.

Nora's Current Limiter replaces standard End Feeds and In-Line Track Feeds and is extremely easy to install right out of the box. No assembly required. Available in Black, Silver, or White finish.

ADVANTAGES

- Available for one or two circuit track
- Single end feed or in-line feed
- Illuminated rocker switch indicates power to track
- Eight different breaker amperages to match the load
- Ready to install, no assembly required
- cULus Listed

HOW TO ORDER

1. Decide if you need one or two circuits.
2. Determine if you need an end or in-line feed.
3. Choose the finish of the current limiter.
4. Select the appropriate size circuit breaker based on the load consumed on the run.

CURRENT LIMITER IN-LINE FEEDS

| ONE-CIRCUIT | | TWO-CIRCUIT | |
|----------------------------|--------------|-----------------------------|--------------|
| CATALOG NO. | AMPS / WATTS | CATALOG NO. | AMPS / WATTS |
| NT-358(finish)/1A | 0.5A / 60W | NT-2358(finish)/0.5A | 0.5A / 60W |
| NT-358(finish)/1A | 1A / 120W | NT-2358(finish)/1A | 1A / 120W |
| NT-358(finish)/1.5A | 1.5A / 180W | NT-2358(finish)/1.5A | 1.5A / 180W |
| NT-358(finish)/2.5A | 2.5A / 300W | NT-2358(finish)/2.5A | 2.5A / 300W |
| NT-358(finish)/4A | 4.5A / 540W | NT-2358(finish)/4A | 4.5A / 540W |
| NT-358(finish)/5A | 5A / 600W | NT-2358(finish)/5A | 5A / 600W |
| NT-358(finish)/7.5A | 7.5A / 850W | NT-2358(finish)/7.5A | 7.5A / 850W |
| NT-358(finish)/10A | 10A / 1200W | NT-2358(finish)/10A | 10A / 1200W |
| NT-358(finish)/12A | 12A / 1440W | NT-2358(finish)/12A | 12A / 1440W |
| NT-358(finish)/14A | 14A / 1680W | NT-2358(finish)/14A | 14A / 1680W |

Finish: **B** Black, **W** White

Example: **NT-358W/2.5A** - One-Circuit, In-Line Feed, White Finish, 2.5A Circuit Breaker

WHY AND WHEN TO USE A NORA CURRENT LIMITER?

Use Nora's track current limiter in tough watts per square foot and Title 24 applications. Commercially and residentially, Title 24 and the NEC calculate the wattage of a line voltage track run by the length of the run, not by wattage consumed. NEC applies 45 watts per foot regardless of actual load.

Example: (3) 15W Fixtures on a 20' run would be calculated at 900W (20' at 45 watts)

With Nora's 1 amp current limiting track feed, this run is powered at a reduced wattage to help meet Title 24 strict guidelines.



TRACK COMPONENTS

ACCESSORIES ONE AND TWO CIRCUIT



Live End Feed with Canopy

NT-311 One-Circuit
NT-2311 Two-Circuit

Finish: B Black, S Silver, W White
Live ends to start a run.
Mounting hardware included.



Live End Feed

NT-316 One-Circuit
NT-2316* Two-Circuit

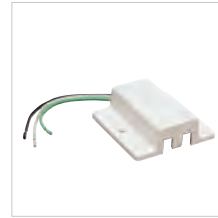
Finish: B Black, S Silver, W White
BZ Bronze (NT-316 only)
To start a run. Adds 2-3/4" to length. Left hand polarity available for daisy chain applications (NT-316L)



Live End with Cord and Plug Set

NT-321 One-Circuit

Finish: B Black, S Silver, W White
With live end
10 Amp, 1200 Watts Maximum
12 feet grounded cord



Floating Canopy Feed

NT-307 One-Circuit
NT-2307 Two-Circuit

Finish: B Black, S Silver, W White
BZ Bronze (NT-307 only)
Connects track to existing outlet box anywhere along the track.



Live End Feed with Canopy

NT-352 One-Circuit
NT-2352 Two-Circuit

Finish: B Black, S Silver, W White
BZ Bronze (NT-352 only)
Live ends to start a run.
Mounting hardware included



Live End Conduit Connector

NT-328 One-Circuit
NT-2328* Two-Circuit

Finish: B Black, S Silver, W White
Accepts standard 1/2" conduit fitting. Use with surface conduit feed.

Left hand polarity available for daisy chain applications (NT-328L)



Current Limiting Live End Feed with Circuit Breaker

NT-348_/_ _ One-Circuit
NT-2348_/_ _ Two-Circuit

Finish: B Black, S Silver, W White
Breaker: 1A, 2.5A, 5A, 7.5A, 10A, 12A, 14A

Used to start a run and limits the current to meet limitations. Includes On/Off switch.



Current Limiting In-Line Feed with Circuit Breaker

NT-358_/_ _ One-Circuit
NT-2358_/_ _ Two-Circuit

Finish: B Black, W White
Breaker: 1A, 2.5A, 5A, 7.5A, 10A, 12A, 14A

Used to in between runs and limits the current to meet limitations. Includes On/Off switch.



T-Bar End Feed

NT-348 One-Circuit
NT-2348 Two-Circuit

Finish: B Black, S Silver, W White
To start a run
Top 3 knock-outs



Straight Connector

NT-310 One-Circuit
NT-2310 Two-Circuit

Finish: B Black, S Silver, W White
BZ Bronze (NT-310 only)
Joins two track sections end to end
Cannot be used as a feed point



I-Connector

NT-312 One-Circuit
NT-2312 Two-Circuit

Finish: B Black, S Silver, W White
Can be power feed.
Joins two track sections end to end. Adds 4" to length.



Flexible Connector

NT-309 One-Circuit

Finish: B Black, S Silver, W White
Can be power feed.
Connects two tracks at any angle up to 90° or wall to ceiling or pitched ceiling application.



L-Connector

NT-313 One-Circuit
NT-2313* Two-Circuit

Finish: B Black, S Silver, W White
BZ Bronze (NT-313 only)
Can be power feed.
Connects two track sections at 90° angle. Field adjustable for right or left hand application. Cover included to change to I-Connector application.



T-Connector

NT-314 One-Circuit
NT-2314* Two-Circuit

Finish: B Black, S Silver, W White
Can be power feed.
Connects three track sections in a T-configuration.



X-Connector

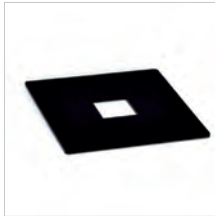
NT-315 One-Circuit
NT-2315* Two-Circuit

Finish: B Black, S Silver, W White
Can be power feed.
To connect 4 track sections in a cross configuration.

* Note: All two-circuit track connectors are supplied as right polarity, for left polarity add "L" suffix.

TRACK COMPONENTS

ONE AND TWO CIRCUIT ACCESSORIES



Outlet Box Cover

NT-320

Finish: **B** Black, **BZ** Bronze, **S** Silver, **W** White

Can be used at any feed connection live, straight, L, T or X. Screws included



Monopoint w/ Power Feeder

NT-319 Square Monopoint

Finish: **B** Black, **S** Silver, **W** White

Allows the installation of one track fixture/pendant without a track - not suitable for all products. Mounts permanently to outlet box



Monopoint w/ Power Feeder

NT-366 Round Monopoint

NT-379 for NTE-850

Finish: **B** Black, **S** Silver, **W** White
Allows the installation of one track fixture/pendant without a track - not suitable for all products. Mounts permanently to outlet box



Monopoint with Power Feeder for Versa Track

NT-337

Finish: **B** Black, **S** Silver, **W** White
Allows the installation of one NTL-200 Versa series track fixture without a track. Mounts permanently to outlet box
10 lbs. maximum weight



Monopoint for Double Locking Adapter

NT-380

Finish: **B** Black, **W** White
Allows the installation of one track fixture without a track - not suitable for all products. Mounts permanently to outlet box



Slope Pendant Adapter

NT-349

Finish: **B** Black, **S** Silver, **W** White

Allows pendant assembly kit (NT-305, NT-306, NT-329) to hang straight down from ceiling.

Can be used to feed power to track.



Pendant Assembly Kit

NT-305 18"
NT-306 24"
NT-336 36"
NT-329 48"

Finish: **B** Black, **S** Silver, **W** White
Suspends track from ceiling. Use NRA-82 stem coupler to join two or more stems together. 4' maximum between pendants



Aircraft Cable Suspension Kit

NT-355/8 8"
NT-355/20 20"

Suspends track from high ceiling applications

Suspends with 1/4" - 20 threaded coupling

Supplied with T-Bar mounting clip, ceiling plate, aircraft cable and couplers



Replacement Stem

NRA-132/24 24"
NRA-132/48 48"
NRA-132/72 72"
NRA-132/96 96"
NRA-82 Stem Coupler

Finish: **B** Black, **S** Silver, **W** White
To replace existing or field damaged stem in a pendant assembly kit
Use NRA-82 coupler to join two stems together



Wire Way Cover

NT-326 One or Two Circuit

Finish: **B** Black, **S** Silver, **W** White

For track to be wired through stem. Use one for each live end used



Slope Adapter for Nora Track Fixtures

NT-333 H Fixture to H Track

Finish: **B** Black, **S** Silver, **W** White
For use on slope ceiling

For use on H-Style Nora Track System with H-Style Nora Track Fixtures



Slope Adapter for J-Style Track Fixtures

NT-334 J Fixture to H Track

Finish: **B** Black, **S** Silver, **W** White
For use on slope ceiling

For use on H-Style Nora Track System with J-Style Track Fixtures



Slope Adapter for J-Style Track

NT-335 H Fixture to J Track

Finish: **B** Black, **W** White
For use on slope ceiling

For use on J-Style Track System with H-Style Nora Track Fixtures



Track Fixture Extension Rods

NT-322/12 12" w/Connectors
NT-322 18" w/Connectors
NT-323 24" w/Connectors
NT-324 36" w/Connectors
NT-325 48" w/Connectors

Finish: **B** Black, **S** Silver, **W** White
Extends track fixture from track
Also available by special order, factory installed extension rods to 48".



18" Flexible Extension Rod

NT-330 18"

Finish: **B** Black, **W** White

For use with NTH-618
Extends track fixture from track

TRACK COMPONENTS

ACCESSORIES ONE AND TWO CIRCUIT



Utility Hook

NT-308

Finish: B Black, S Silver, W White

For chain hung fixture up to 30lbs.

Can be used as power feed.



Outlet Adapter

NT-327

Finish: B Black, S Silver, W White

Allows a power outlet on the track.



Track Pendant Adapter

NT-368

Finish: B Black, S Silver, W White

Extends from track 2".



Retrofit Monopoint Adapter

NT-374

4"

NT-376

6"

Finish: B Black, W White

75W max

Converts a 4" or 6" housing into a track monopoint

Retro-fit style.



T-Bar Attachment Clip

NT-332

15/16"

To attach track to T-Bar drop ceiling.



Dead End Caps

NT-318

One-Circuit

NT-2318*

Two-Circuit

Finish: B Black, S Silver, W White

To cover the end of a run. Two are included with each track.



MR16 Silicone Flange Ring

NTR-100

Finish: B Blue, G Green, R Red, W White, Y Yellow

For use with NTH-618, NTH-619.



Lenses for MR16 Lamps

NM-100B/MR16 Blue

NM-100Y/MR16 Yellow

NM-100G/MR16 Green

NM-100R/MR16 Red

NM-100F/MR16 Frosted

NM-100L/MR16 Linear

NM-100S/MR16 Spread

NM-100C/MR16 Clear



MR16 Accessory Louver

NT-362

Finish: Black



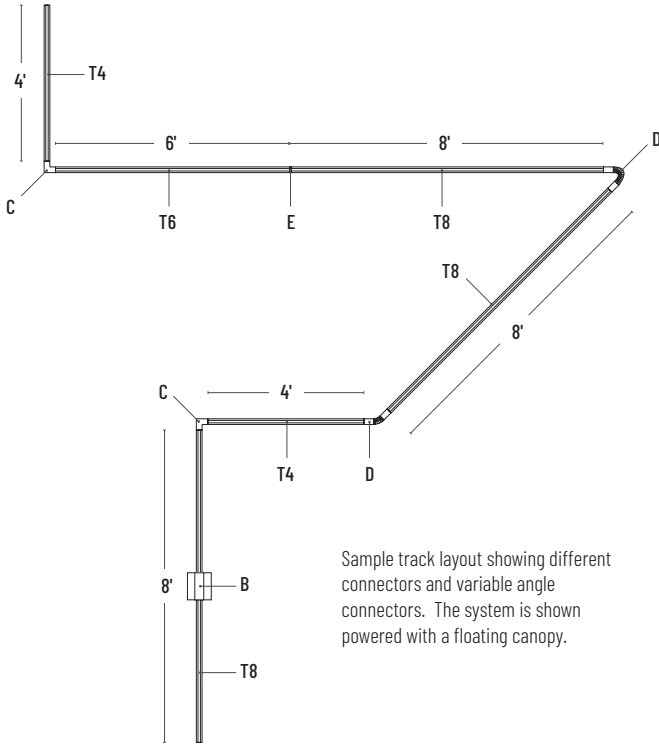
Socket Extender

NRA-10

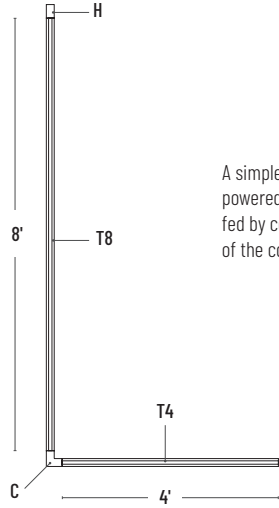
Medium Base

TRACK LAYOUT

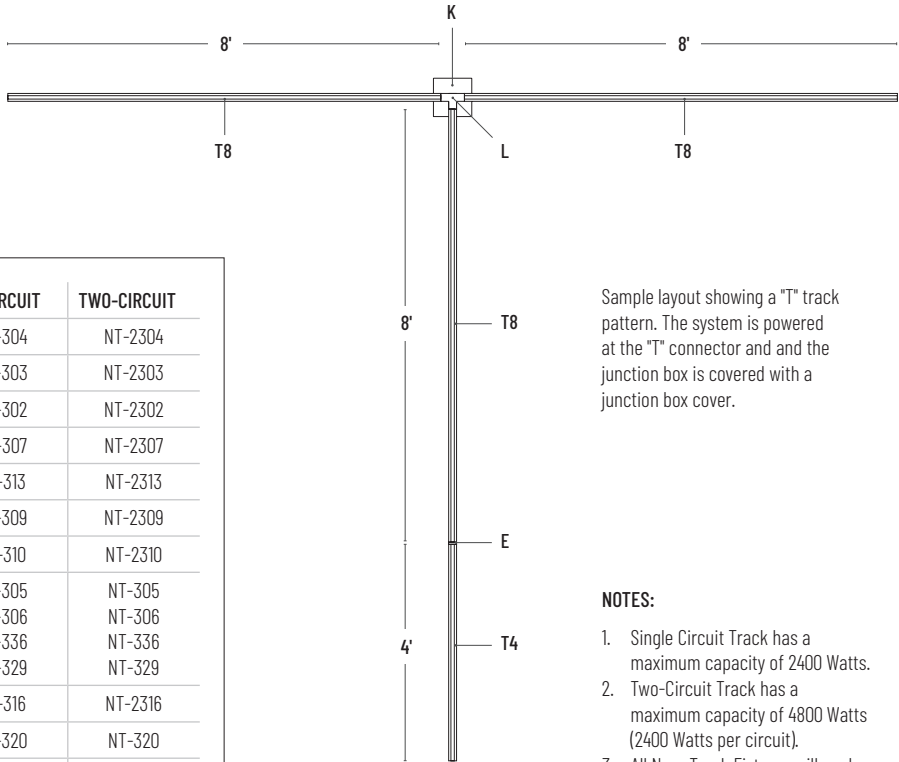
SAMPLE LAYOUT



Sample track layout showing different connectors and variable angle connectors. The system is shown powered with a floating canopy.



A simple "L" shaped track pattern powered by a live end connector fed by conduit or flex into the top of the connector. (no junction box)



Sample layout showing a "T" track pattern. The system is powered at the "T" connector and the junction box is covered with a junction box cover.

| | DESCRIPTION | ONE-CIRCUIT | TWO-CIRCUIT |
|----|-----------------------------------|-------------|-------------|
| T8 | 8' Track | NT-304 | NT-2304 |
| T6 | 6' Track | NT-303 | NT-2303 |
| T4 | 4' Track | NT-302 | NT-2302 |
| B | Floating Canopy Feed | NT-307 | NT-2307 |
| C | "L" Connector | NT-313 | NT-2313 |
| D | Flexible Connector | NT-309 | NT-2309 |
| E | Straight Connector (Mini Coupler) | NT-310 | NT-2310 |
| G | 18" Pendant Assembly Kit | NT-305 | NT-305 |
| | 24" Pendant Assembly Kit | NT-306 | NT-306 |
| | 36" Pendant Assembly Kit | NT-336 | NT-336 |
| | 48" Pendant Assembly Kit | NT-329 | NT-329 |
| H | End Feed Connector | NT-316 | NT-2316 |
| K | Junction Box Cover | NT-320 | NT-320 |
| L | "T" Connector | NT-314 | NT-2314 |

NOTES:

1. Single Circuit Track has a maximum capacity of 2400 Watts.
2. Two-Circuit Track has a maximum capacity of 4800 Watts (2400 Watts per circuit).
3. All Nora Track Fixtures will work with single or two-circuit track.
4. Track is field cuttable.



NORA RAIL

120V Rail Fixtures

LED DEDICATED · MR16 GU10 · LINE VOLTAGE PAR · RAIL KITS

CYNDI SERIES

LED - Field Changeable Optics



Light Source: LED Dedicated

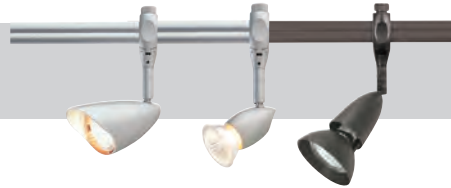
Lumen Output: 600lm (NRE-850L), 1400lm (NRE-852L) or 2800lm (NRE-853L)

Beam Spread: Spot (included) and Narrow Flood (installed)

CYNDI LED Rail head with clean, cylindrical lines produces an amazing dimmable LED light that blends with most decors. The heads feature full rotation aiming and attach anywhere along the 120V Nora Rail System. Available in three sizes, in Bronze and Brushed Nickel finishes, CYNDI meets design criteria in residential and commercial applications. The 8W and 20W feature AC driven COB LEDs, while the 32W features a DC-driven COB with driver. Each LED Rail head includes a field changeable spot and narrow flood reflector.

MR16 GU10 SERIES

Line Voltage - LED Compatible



Light Source: Line Voltage

Lamps: MR16 GU10 - LED Compatible

Wattage: 50W max

A variety of MR16 GU10 line voltage rail fixtures are available for Halogen or LED lamps. Finishes include brushed nickel, bronze or silver. A selection of pre-packaged rail kits are available with 4' or 8' rail, power feed, three standoffs and three or four rail fixtures.

PAR SERIES

Line Voltage - LED Compatible



Light Source: Line Voltage

Lamps: PAR20, PAR30, PAR38 - LED Compatible

Wattage: 50W to 250W

A variety of PAR line voltage rail fixtures are available for Halogen or LED lamps. Finishes include brushed nickel or bronze/black. Universal lamp holder (NRS12-109) accepts PAR lamps from PAR20 to PAR38 up to 250W max. Rear Loading Gimbal rings accept lamps from PAR20 to PAR38 up to 250W max.

RAIL KITS

Dedicated LED or Line Voltage



Light Source: LED Dedicated or Line Voltage

Rail Kit Types: Starter Straight, Starter Curve, Cyndi LED, MR16 GU10

Lengths: 4' Straight, 8' Straight, 8' Curved

120V Line Voltage Rail Kit System include everything needed to start a rail system or complete rail system with rail fixtures. Cyndi LED Rail Kits include (3) Cyndi LED Rail Fixtures ranging from 600 to 2800 lumens. MR16 GU10 Rail Kits feature Neat, New Mirage or Argon Rail Fixtures. Each Rail Kit accepts additional Rail components or lengths to customize the system to your desired needs. Each kit includes the specified rail length and type, three standoffs and power feed.



CYNDI LED RAIL

600LM TO 2800LM DEDICATED LED



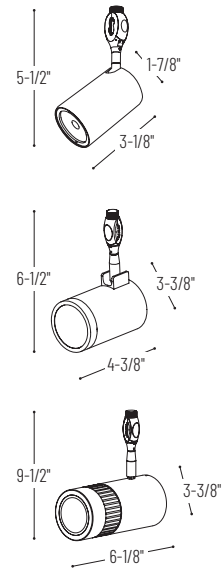
NRE-850L
600lm / 8W



NRE-852L
1400lm / 20W



NRE-853L
2800lm / 32W



CYNDI CYLINDRICAL LED RAIL FIXTURE

| SERIES / LUMENS / WATTAGE | COLOR TEMP | BEAM SPREAD | FINISH |
|------------------------------|------------------------------------|--|--|
| NRE-850L 600lm / 8W | 27 2700K 30 3000K | X Spot (included) and Narrow Flood (installed) | BZ Bronze BN Brushed Nickel |
| NRE-852L 1400lm / 20W | 30 3000K | X Spot (included) and Narrow Flood (installed) | BZ Bronze BN Brushed Nickel |
| NRE-853L 2800lm / 32W | 40 4000K | | |

Order Example: **NRE-850L30XBZ** - CYNDI, 600lm / 8W, 3000K, Bronze finish

CYNDI LED Rail head with clean, cylindrical lines produces an amazing dimmable LED light that blends with most decors. The heads feature full rotation aiming and attach anywhere along the 120V Nora Rail System. Available in three sizes, in Bronze and Brushed Nickel finishes, CYNDI meets design criteria in residential and commercial applications. The 8W and 20W feature AC driven COB LEDs, while the 32W features a DC-driven COB with driver. Each LED Rail head includes a field changeable spot and narrow flood reflector.

ELECTRICAL:

Voltage: 120V

Lumens / Wattage:

700lm / 8W, 1400lm / 20W, 2800lm / 32W

Color Rendering Index: 80+ CRI

Color Temperature: 2700K, 3000K or 4000K

Dimming: ELV

CONSTRUCTION:

NRE-850, NRE-852: Die-cast aluminum head with AC LED package, eliminating the need for a driver.

NRE-853: Die-cast aluminum head with integral driver.

FINISH: Bronze or Brushed Nickel finish.

BEAM SPREAD: Field changeable beam spreads - 25° spot and 50° (850/852) or 60° (853) narrow flood (installed).

ADJUSTABILITY: 345° horizontal and 90° vertical rotation.

LISTING & WARRANTY:

- cULus Listed
- ENERGY STAR certified
- 5 Year Limited Warranty



LINE VOLTAGE RAIL

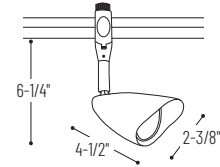
MR16 GU10 LED COMPATIBLE



Argon Swivel

NRS11-102

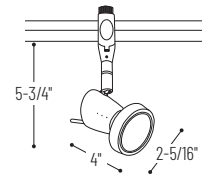
FINISH: BN Brushed Nickel, BZ Bronze, S Silver
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 4-1/2" Dia.: 2-3/8" Max Ext.: 6-1/4"



Siena with Ring

NRS11-103

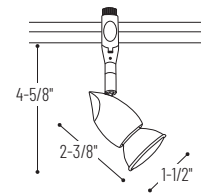
FINISH: BN Brushed Nickel, BZ Bronze, S Silver
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 4" Dia.: 2-5/16" Max Ext.: 5-3/4"



Neat

NRS11-104

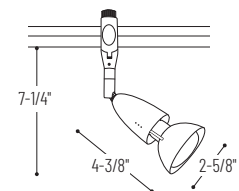
FINISH: BN Brushed Nickel, BZ Bronze, S Silver
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 2-3/8" Dia.: 1-1/2" Max Ext.: 4-5/8"



Satelit Swivel

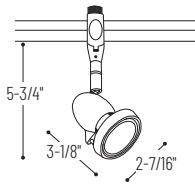
NRS11-106

FINISH: BN Brushed Nickel, BZ Bronze
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 4-3/8" Dia.: 2-5/8" Max Ext.: 7-1/4"



LINE VOLTAGE RAIL

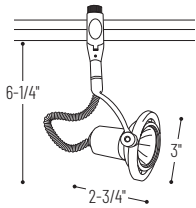
LED COMPATIBLE MR16 GU10



Neon

NRS11-107

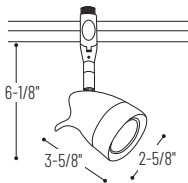
FINISH: BN Brushed Nickel, BZ Bronze, S Silver
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 3-1/8" Dia.: 2-7/16" Max Ext.: 5-3/4"



Lika

NRS11-108

FINISH: BN Brushed Nickel, BZ Bronze, S Silver
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 2-3/4" Dia.: 3" Max Ext.: 6-1/4"

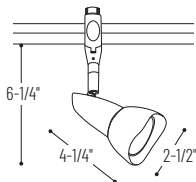
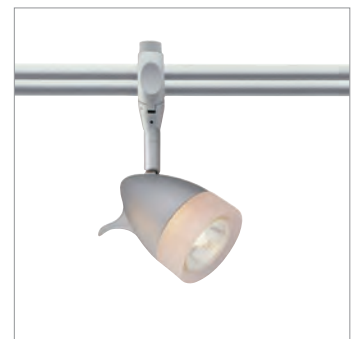


Kano Spot

NRS11-251

(Frosted Glass)

FINISH: BN Brushed Nickel, BZ Bronze, S Silver
GLASS: FR Frosted Glass
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 3-5/8" Dia.: 2-5/8" Max Ext.: 6-1/8"



New Mirage

NRS11-252

(Porcelain White, Frosted, Blue Glass)

FINISH: BN Brushed Nickel, BZ Bronze, S Silver
GLASS: PW Porcelain White Glass, FR Frosted Glass, BU Blue Glass
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 4-1/4" Dia.: 2-1/2" Max Ext.: 6-1/4"



LINE VOLTAGE RAIL

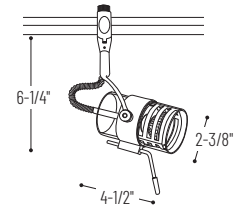
MR16 GU10 LED COMPATIBLE



Lima

NRS11-253

FINISH: BN Brushed Nickel, BZ Bronze, S Silver
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 4-1/4" Dia.: 3-1/4" Max Ext.: 6-1/4"



Ives Gooseneck

NRS11-302

FINISH: BN Brushed Nickel, BZ Bronze, S Silver
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 4" Dia.: 2-5/16" Max Ext.: 5-3/4"

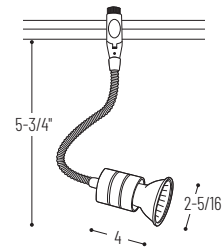
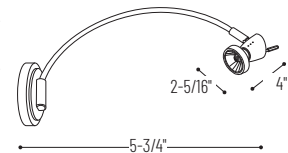


Exhibit Display

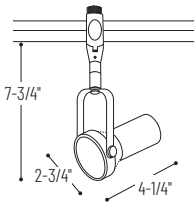
NRS11-320

FINISH: BN Brushed Nickel, BZ Bronze, S Silver
LAMP: 50W GU10 MR16 (not included)
DIMENSIONS: Length: 4" Dia.: 2-5/16" Max Ext.: 5-3/4"



LINE VOLTAGE RAIL

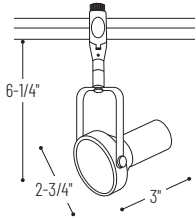
LED COMPATIBLE PAR



PAR20 Gimbal Ring

NRS12-112

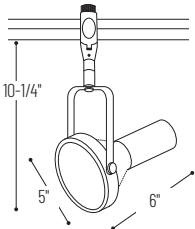
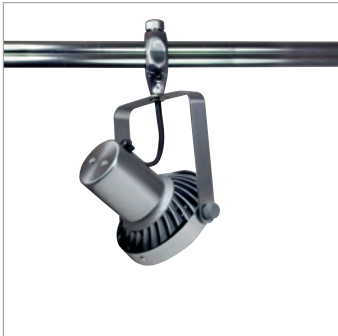
FINISH: BN Brushed Nickel, BZB Bronze/Black
LAMP: 50W PAR20 (not included)
DIMENSIONS: Length: 4-1/4" Dia.: 2-3/4" Max Ext.: 7-3/4"



PAR30 Gimbal Ring

NRS12-107

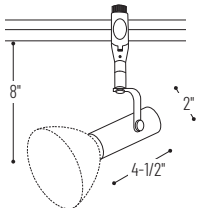
FINISH: BN Brushed Nickel, BZB Bronze/Black
LAMP: 75W PAR30 (not included)
DIMENSIONS: Length: 4-1/8" Dia.: 3-7/8" Max Ext.: 8-3/8"



PAR38 Gimbal Ring

NRS12-108

FINISH: BN Brushed Nickel, BZB Bronze/Black
LAMP: 250W PAR38 (not included)
DIMENSIONS: Length: 6" Dia.: 5" Max Ext.: 10-1/4"



Universal Lamp Holder

NRS12-109

FINISH: BN Brushed Nickel, BZB Bronze/Black
LAMP: 250W PAR (not included)
DIMENSIONS: Length: 4-1/2" Dia.: 2" Max Ext.: 8"



RAIL KITS

DEDICATED LED RAIL AND LUMINAIRES INCLUDED

Nora's line voltage Rail Kits include everything you need for a complete system: rail, fixtures, standoffs, power components, and even lamps!

FEATURES

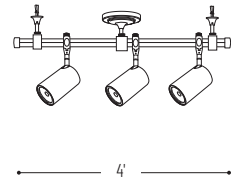
- Fixture can be easily placed anywhere along rail
- Power canopy can be located anywhere along rail
- Available in multiple finishes
- Easily expandable with Nora Rail components
- 2400 watt capacity
- Will accept additional fixtures and/or pendants
- Rail is field bendable and cuttable
- Simple installation by a single person
- No special tools required
- An elegant lighting statement at an affordable price



600lm Cyndi Cylindrical LED Rail Kit

NREK4-850L(K)(F)

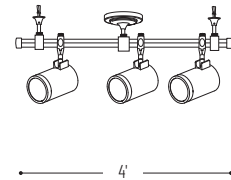
CTT (K): 27 2700K, 30 3000K
 BEAM: Flood installed, Spot (included)
 FINISH (F): BN Brushed Nickel, BZ Bronze
 LUMEN / WATT: 600lm / 8W per head
 RAIL LENGTH: 4' Rail and power feed included



1400lm Cyndi Cylindrical LED Rail Kit

NREK4-852L(K)(F)

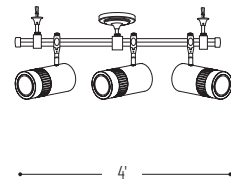
CTT (K): 30 3000K, 40 4000K
 BEAM: Flood installed, Spot (included)
 FINISH (F): BN Brushed Nickel, BZ Bronze
 LUMEN / WATT: 1400lm / 20W per head
 RAIL LENGTH: 4' Rail and power feed included



2800lm Cyndi Cylindrical LED Rail Kit

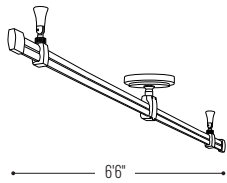
NREK4-853L(K)(F)

CTT (K): 30 3000K, 40 4000K
 BEAM: Flood installed, Spot (included)
 FINISH (F): BN Brushed Nickel, BZ Bronze
 LUMEN / WATT: 2800lm / 32W per head
 RAIL LENGTH: 4' Rail and power feed included



RAIL KITS

LED COMPATIBLE LINE VOLTAGE

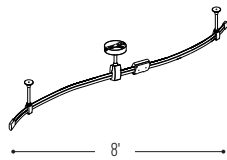


6'6" Straight Rail Starter Kit

NRS90-K633

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

DIMENSIONS: Length: 6-1/2 ft. Rail

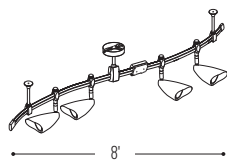
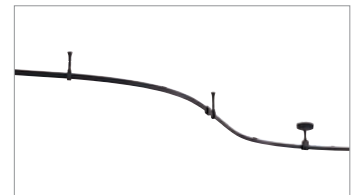


8' "S" Curve Rail Starter Kit

NRS90-K833

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

DIMENSIONS: Length: 8 ft. Rail



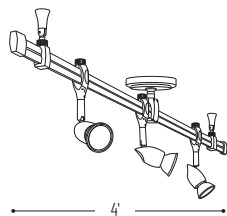
8' "S" Curve Argon Swivel Rail Kit

NRS21-102

(4) 50W GU10 MR16

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

DIMENSIONS: Length: 8 ft. Rail



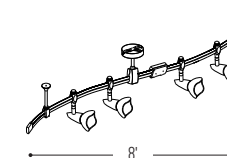
4' Straight Neat Rail Kit

NRS21-4104

(3) 50W GU10 MR16

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

DIMENSIONS: Length: 4 ft. Rail



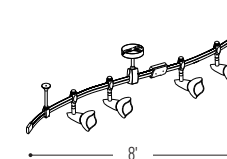
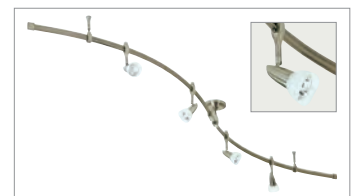
8' "S" Curve New Mirage Rail Kit

NRS21-252

(4) 50W GU10 MR16

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

DIMENSIONS: Length: 8 ft. Rail



8' "S" Curve Neat Rail Kit

NRS21-8104

(4) 50W GU10 MR16

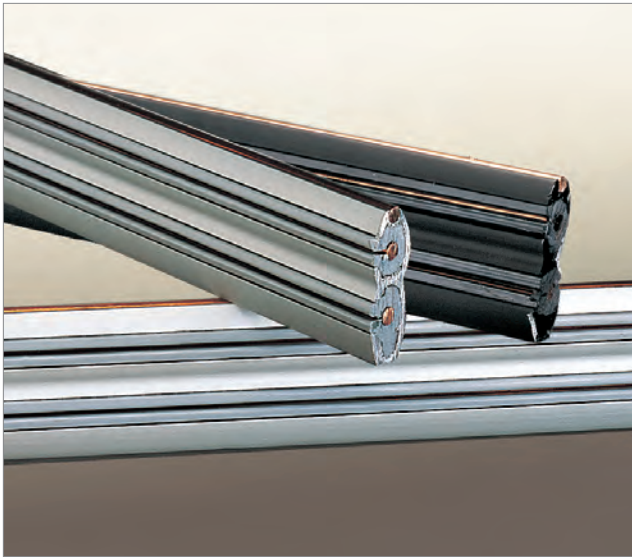
FINISH: BN Brushed Nickel, BZ Bronze, S Silver

DIMENSIONS: Length: 8 ft. Rail



NORA RAIL

SYSTEM COMPONENTS



Nora Lighting offers attractive, low profile slim rails for use with any combination of Line Voltage, Low Voltage, Fluorescent, PAR, Metal Halide Fixtures or Pendants. The small blade design makes Nora Rail suitable for residential applications. Internal 20A conductors deliver long runs necessary for commercial and architectural application, allowing 2400 watts on a single, low profile power feed. May be bent to 12-1/2" minimum radius.

Easy installation, attractive finishing elements, and low system cost delivers high-tech design elements within reach of virtually any contemporary design.

Two end caps and one locking Allen key are provided with each section of rail.



Slim, Low Profile Rails

NRS90-P04 4' (1.2M)

NRS90-P06 6'-6" (2M)

NRS90-P08 8' (2.4M)

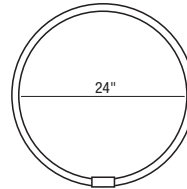
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Dimensions: Length: 4', 6'-6", and 8'

· Two end caps included

LINE VOLTAGE PRE-BENT RAILS

Nora Rail can be purchased in straight lengths that are easily cut with a hacksaw and/or field bent to as small as 2ft. diameter circle. Factory pre-bent curves and circles are also available. cULus listed for up to 2400 watts on a single run. Nora Rail is smooth on one side and has bus bars and insulators on the other. On pre-bent rail "I" is used for bus bars on the inside of the curve and "O" for outside of the curve.



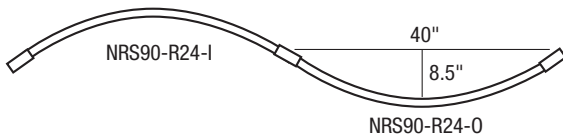
Complete Circle Pre-Bent Rails

NRS90-C12-I 24" Diameter

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

· One non-power connector included (NRS90-N89)

· Bus bar on inside curve (I)



Curve Pre-bent Rails

NRS90-R24-I 4' (1.2M)

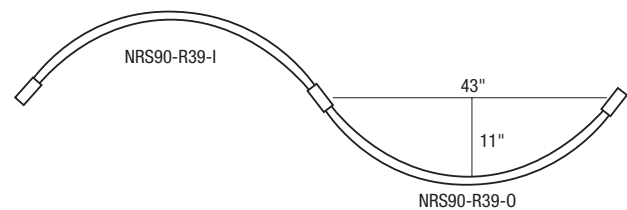
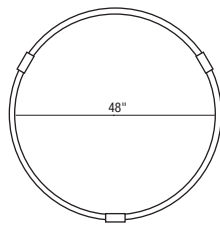
NRS90-R24-O 4' (1.2M)

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

· Two dead end caps included (NRS90-N01)

· To create an "S" shape (80" length), order (1) NRS90-R24-I, (1) NRS90-R24-O, and (1) NRS90-P81 connector.

· To create a circle (48" diameter), order (3) NRS90-R24-I, (2) NRS90-P81 connector, and (1) NRS90-N89



Soft Curve Pre-Bent Rails

NRS90-R39-I 4' (1.2M)

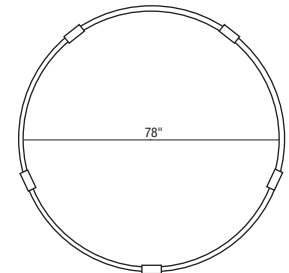
NRS90-R39-O 4' (1.2M)

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

· Two dead end caps included (NRS90-N01)

· To create a soft "S" shape (86" length), order (1) NRS90-R39-I, (1) NRS90-R39-O, and (1) NRS90-P81 connector.

· To create a circle (78" diameter), order (5) NRS90-R39-I, (4) NRS90-P81 connector, and (1) NRS90-N89



NORA RAIL ACCESSORIES



Rail Current Limiter w/Circuit Breaker Canopy

| | |
|------------------------------|-------------|
| NRS90-P37(finish)/1 | 1A / 120W |
| NRS90-P37(finish)/2.5 | 2.5A / 300W |
| NRS90-P37(finish)/5 | 5A / 600W |
| NRS90-P37(finish)/7.5 | 7.5A / 900W |
| NRS90-P37(finish)/10 | 10A / 1200W |
| NRS90-P37(finish)/12 | 12A / 1440W |
| NRS90-P37(finish)/14 | 14A / 1680W |

Order Example: NRS90-P37BN/14

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

For use with NRS90-P11, NRS90-P14, NRS90-P17, NRS90-P87, NRS90-P88, NRS90-P89 power stem or NRS90-P90 power canopy with 10'6" cord



Rail Wall Mount Power Canopy

NRS90-P40

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Rail feeds directly into canopy from wall mounted J-Box



Line Voltage Adjustable Slope Canopy for use with Power Stem

NRS90-P10

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

For use with NRS90-P17, NRS90-P87, NRS90-P88 and NRS90-P89 only.



Grounded Cord and Plug with Rail Connector

NRS90-P99 10'

Finish: **BN** Brushed Nickel, **S** Silver

To power rail from a standard 3-prong grounded receptacle



Power Canopy and Stem

| | |
|------------------|--------------------------------|
| NRS90-P13 | Canopy |
| NRS90-P11 | 3" Stem |
| NRS90-P14 | 4" Stem |
| NRS90-P17 | 7-1/2"-11-1/2" Adjustable Stem |

· NRS90-P13 must be used with NRS90-P11, NRS90-P14, NRS90-P17

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Canopy and Power Stem sold separately. Rigid power stems with canopy deliver 120V power to rail while providing a clean, streamlined appearance by eliminating bulky, flexible cords. Low profile canopy includes bracket to attach to a standard 4" junction box.



Power Canopy and Stem

| | |
|------------------|-------------------------------------|
| NRS90-P15 | Canopy |
| NRS90-P87 | 12"-24" Adjustable Power Stem |
| NRS90-P88 | 25-1/4" - 48" Adjustable Power Stem |
| NRS90-P89 | 49-3/4" - 96" Adjustable Power Stem |

· NRS90-P15 must be used with NRS90-P87, NRS90-P88, NRS90-P89

· Heavy Cast Iron construction for longer stem application

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Canopy and Power Stem sold separately. Rigid power stems with canopy deliver 120V power to rail while providing a clean, streamlined appearance by eliminating bulky, flexible cords. Low profile canopy includes bracket to attach to a standard 4" junction box.



Adjustable Power Cord w/ Canopy

NRS90-P90 10'-6"

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Cord is field adjustable.



Adjustable Power Cord w/ Canopy and Support Cable

NRS90-P91 10'-6"

NRS90-P91-M1 20'

Finish: **BZ** Bronze, **S** Silver
Cord and cable are field adjustable.



Adjustable Power Cord with Rail Connector and Side Feed to Canopy

NRS90-P80 18" cord

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

· To connect rail to line voltage power
· Affixes to wall mount or ceiling mount standard junction box

LIGHTING TIP

To meet stringent watts per square foot requirements use Nora Rail Current Limiter Power Canopy. NEC will rate line voltage rail at 45 watts per foot regardless of load. Use a 2.5A Current Limiter and system will be rated at 300 watts.

NORA RAIL ACCESSORIES



Straight Ceiling Rail Support (Standoff)

| | |
|------------------------------|----------------|
| NRS90-N14 | 4" |
| NRS90-N17¹ | 7-1/2"-11-1/2" |

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

¹ Telescoping supports allow for easy in the field leveling of rail system

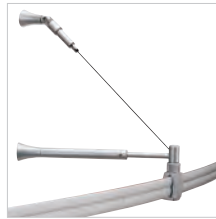


Straight/Slope Ceiling Rail Standoff

| | |
|------------------------------|----------------|
| NRS90-N73 | 3" |
| NRS90-N74 | 4" |
| NRS90-N77¹ | 8-1/4"-11-1/2" |
| NRS90-N70¹ | 12"-24" |
| NRS90-N71¹ | 25-1/4"-48" |
| NRS90-N72¹ | 49-3/4"-96" |

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

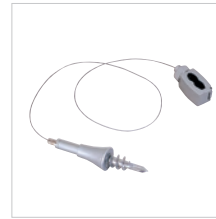
¹ Telescoping supports allow for easy in the field leveling of rail system



Adjustable Wall Rail Support (No Power)

| | |
|------------------|----------------|
| NRS90-N18 | 5-1/2"-8-1/2" |
| NRS90-N26 | 8-1/4"-11-1/2" |
| NRS90-N27 | 13-1/4"-24" |

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver



Adjustable Aircraft Cable Ceiling Rail Support

| | |
|---------------------|-----|
| NRS90-N91 | 10' |
| NRS90-N91-M1 | 20' |

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Cable can be easily adjusted in the field with cutting cable and locking cable device.



T-Bar Clip and Cover

| | |
|------------------|--------|
| NRS90-N21 | 15/16" |
| NRS90-N22 | 9/16" |

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Attaches to all Rail supports.



Straight Connector

| | |
|------------------|--------------|
| NRS90-P81 | Power (live) |
| NRS90-N89 | Non-power |

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Connects two rails together and will conduct power or not.



Flexible Live Corner Connector

| | |
|------------------|--------|
| NRS90-P85 | 9-1/2" |
|------------------|--------|

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Attractive, enclosed flexible electrical connection between two rails



Live L-Connector

| |
|------------------|
| NRS90-N03 |
|------------------|

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Use with standard non-power stems.

NRS90-N70 series
Connects and conducts power to two Rails in an "L" pattern.



Live X-Connector

| |
|------------------|
| NRS90-N02 |
|------------------|

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Use with standard non-power stems

NRS90-N70 series
Connects and conducts power to multiple Rails in an "X" pattern.



Live T-Connector

| |
|------------------|
| NRS90-N04 |
|------------------|

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Use with standard non-power stems

NRS90-N70 series
Connects and conducts power to multiple Rails in a "T" pattern.



Live L-Connector Power Stem

| | |
|------------------|----------------|
| NRS90-P03 | 7-1/2"-11-1/2" |
|------------------|----------------|

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Conducts power from J-Box to Rail.

Connects and conducts power to two Rails in a "L" pattern.



Live T-Connector Power Stem

| | |
|------------------|----------------|
| NRS90-P01 | 7-1/2"-11-1/2" |
|------------------|----------------|

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Conducts power from J-Box to Rail.

Connects and conducts power to multiple Rails in a "T" pattern.



Live X-Connector Power Stem

| | |
|------------------|----------------|
| NRS90-P02 | 7-1/2"-11-1/2" |
|------------------|----------------|

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Conducts power from J-Box to Rail.

Connects and conducts power to multiple Rails in a "X" pattern.

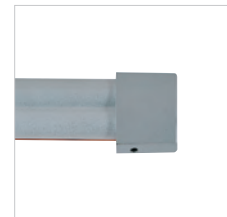


Flexible Rail Power Connector

| | |
|------------------|-----|
| NRS90-P82 | 20" |
|------------------|-----|

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Connects two sections of rail where sharp angles prohibit the use of rail bending or for extending power connection through beams or drywall (cable cannot be shortened)



End Cap

| |
|------------------|
| NRS90-N01 |
|------------------|

Finish: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Two end caps included with each rail section.

NORA RAIL ACCESSORIES



Universal Pendant Adaptor
NRS90-P86

Finish: **BN** Brushed Nickel,
BZ Bronze, **S** Silver

Allows any Line Voltage Pendant with support wire diameter of 1/4" or less, weighing under 10lbs, and 300W max. to adapt to the Nora Rail System.



Three Prong Plug Adapter
for Rail

NRS90-P30

Finish: **BZ** Bronze, **S** Silver

Allows a power outlet on the Rail.



Rail Bending Device

NRS90-N33

Allows custom bending of rail in field.



Metal Clamp-on Ring for MR16 lamps

NRS90-N31

Finish: **BN** Brushed Nickel,
BZ Bronze, **S** Silver

For use with any fixture with a completely exposed MR16 lamp.



MR16 Decorative Ring with
Lamp Spring

NRS90-N32

Finish: **BN** Brushed Nickel, **S** Silver

For use with NRS11-103, NRS11-104,
NRS11-302

MR16 Honeycomb

NT-362 Black

For use with NRS90-N32.



MR16 Colored Lenses

NM-100/MR16

Finish: **B** Blue, **C** Clear,
F Frosted, **G** Green,
L Linear Spread, **R** Red, **S** Spread,
Y Yellow

For use with NRS90-N32.



EXIT & EMERGENCY

Exit & Emergency

EXIT · EXIT & EMERGENCY COMBO · EMERGENCY · REMOTE EMERGENCY

LED EDGE-LIT EXIT

Recessed and Surface Mounted



Light Source: LED

Operation: AC only, 2-Circuit or Battery Backup

Finishes: Black, White or Natural Aluminum

Adjustable LED Edge-Lit Exit Signs are available in 6" Red or Green Letters. Surface Mount is also available in 8" Red Letters for New York City applications. Panel options include single faced with clear or mirrored acrylic, and double faced with mirrored acrylic.

LED EXIT

Die-Cast and Thermoplastic



Light Source: LED

Operation: AC only, 2-Circuit, Battery Backup

Finishes: Die-Cast, Black or White

LED Exit Signs are available in 6" Red or Green Letters. Thermoplastic Exit Signs are available in white or black housings for greater contrast. Die-Cast Exit Signs are available with a Single or Double Faced. Exit Signs can be wall, side or ceiling mounted with included canopy.

EXIT & EMERGENCY

Wet Location



Light Source: Exit - LED / Emergency - T5 Incandescent

Operation: Exit - AC only / Emergency - Battery Backup

Finish: White

Wet Location Exit & Emergency Combinations are ideal for wet and corrosive environments. A heavy duty gasket protects housing completely from corrosive atmospheres, non-hazardous dust, water spray, splash and regular hose-downs. Combos are available in 6" Red or Green Letters and White finish.

LED EXIT & EMERGENCY

Compact



Light Source: LED

Operation: Exit - AC only / Emergency - Battery Backup

Finishes: White or Black

LED Exit & Emergency Combinations are versatile compact units that allow the adjustable emergency heads to be mounted on the top or bottom of the sign. Combos are available in 6" Red or Green Letters and Black or White housing.

STEEL LED EXIT & EMERGENCY

New York City Approved



Light Source: LED

Operation: Battery Backup

Finishes: Steel

Steel LED Exit & Emergency comply with New York City codes and performance standards. Exit signs are available with two or three LED emergency heads and 8" Red Letters. Exit signs are available in black or white housing and combos are available in white finish only.

LED EXIT & EMERGENCY

Remote Capable and Self Diagnostic



Light Source: LED

Operation: Battery Backup

Finishes: Black or White

LED Exit & Emergency Combinations include a battery backup to operate for 90 minutes, an additional battery can be added for remote capability. Combos are available with 6" Red or Green Letters and Black or White housing. Units are self diagnostic and perform self-test.

LED EMERGENCY

Remote Capable and Self Diagnostic Option



Light Source: LED

Operation: Battery Backup

Finishes: Black or White

LED Emergency Lights are available in three options: Standard Battery Backup, Battery Backup & Self Diagnostic w/ Remote Capability or High Lumen Heads w/ Backup & Self Diagnostic w/ Remote Capability. Finishes include White or Black housing.

EMERGENCY

LED or T5



Light Source: LED or T5

Operation: Battery Backup

Finish: Black (LED) or White

Emergency Lights are available with (2) LED or T5 lamps. LED unit allows an extra battery to be added for remote capability and self diagnostic in black or white housing. T5 unit includes (2) incandescent lamps and is not remote capable in white finish only.

LED EMERGENCY

Outdoor Die-Cast with Photosensor



Light Source: LED

Operation: General and Battery Backup

Finishes: Black, Bronze or White

Outdoor LED Emergency units include a photosensor to turn on the luminaire in the absence of light. During power loss, luminaires will switch into emergency mode. NE-90ILED can be specified with heating pad to keep battery operational in cold weather applications.

REMOTE EMERGENCY HEADS

LED or T5



Light Source: LED or T5

Operation: Battery Backup

Finish: Grey or White

Remote Emergency Heads require an Emergency unit with remote capabilities. Remote heads are available with LED or T5 lamps in single or double round or square heads. Units are rated for damp or wet locations in white or grey finish.

EXIT & EMERGENCY

LED EDGE-LIT EXIT SIGNS



LED EDGE-LIT EXIT SIGN WITH ADJUSTABLE HOUSING

| OPERATION | LETTER COLOR | PANEL COLOR | HOUSING COLOR |
|---|-------------------|---|---------------------------|
| NX-810-LED AC only | G 6" Green | C Single Face, Clear Acrylic | A Natural Aluminum |
| NX-811-LED 2-Circuit | R 6" Red | M Single Face, Mirrored Acrylic | B Black |
| NX-812-LED Battery Backup | | 2M Double Face, Mirrored Acrylic | W White |
| NX-822-LED Battery Backup (New York approved) | R 8" Red | 1C Single Face, Clear Acrylic 2M Double Face, Mirrored Acrylic | A Natural Aluminum |

Example: **NX-811-LEDRMA** - 2-Circuit, Red Letters, Single Face, Mirrored Acrylic Panel, Natural Aluminum Housing

Ideal for architectural applications where aesthetic and minimal profile appearance is desired. The Edge-Lit series offers a small housing supporting a clear or mirrored acrylic face. LED sources within the housing cast a brilliant red or green illumination on letters embedded inside the acrylic face. Installation is versatile, with wall, ceiling, or side mount capability. AC-only, emergency circuit and 90 minute battery options are available.

ELECTRICAL:

Voltage: 120V or 277V dual input

Wattage: 3W normal / 5W emergency operation

Light Source: LED

Circuitry Protection: Isolated surge and short circuit protection. Disconnect for deep discharge.

CONSTRUCTION: Two piece snap-together extruded aluminum housing holds battery, LED and top of acrylic panel.

FACE: Single or double faced acrylic face can be adjusted 0° to 90° in the field for wall, ceiling, or sloped applications. Red or green lettering inside face. Adhesive mounted chevrons included. Eight inch lettering option with 1" stroke for New York applications (red lettering only).

MOUNTING: Wall, side, or ceiling mount. Canopy and mounting hardware included.

EMERGENCY CIRCUIT: Second circuit for input from external EPS or other alternative emergency power source or generator (NX-811-LED only)

BATTERY: Replaceable Ni-Cad battery (NEB-NICAD) offers 90 minute emergency operation (NX-812-LED and NX-822-LED)

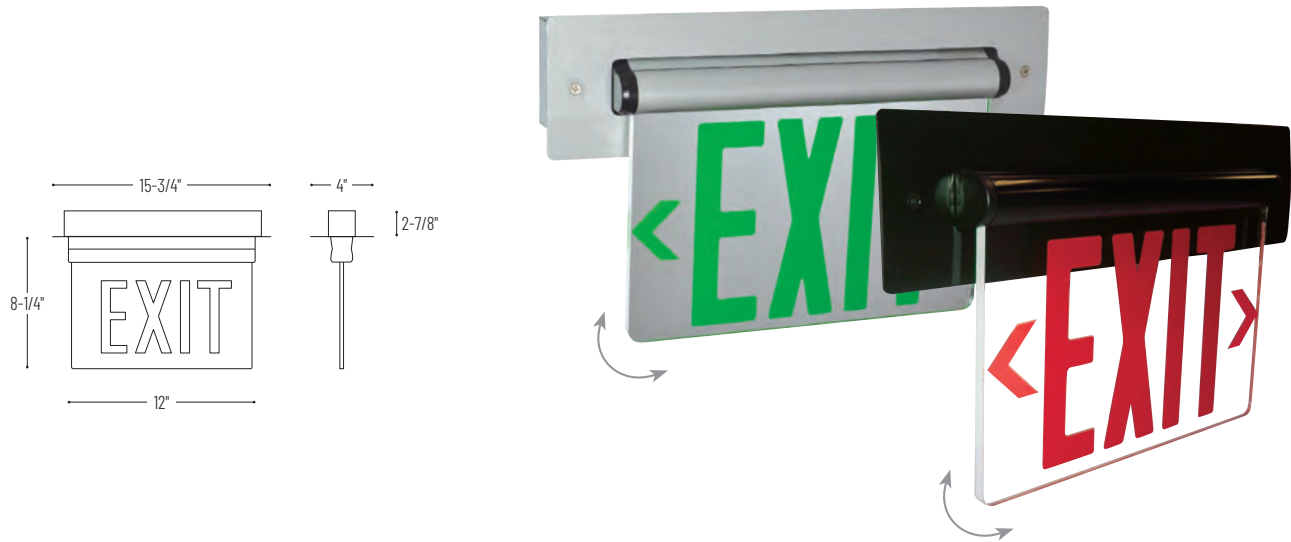
TESTING: High-charge / ready operation indicator light and test button.

LISTING & WARRANTY:

- UL Listed
- NEC
- NFPA
- 5 year warranty on materials and workmanship



EXIT & EMERGENCY RECESSED LED EDGE-LIT EXIT SIGNS



RECESSED ADJUSTABLE LED EDGE-LIT EXIT SIGN

| OPERATION | LETTER COLOR | PANEL COLOR | HOUSING COLOR |
|----------------------------------|-------------------|---|---------------------------|
| NX-813-LED AC only | G 6" Green | C Single Face, Clear Acrylic | A Natural Aluminum |
| NX-814-LED 2-Circuit | R 6" Red | M Single Face, Mirrored Acrylic | B Black |
| NX-815-LED Battery Backup | | W Single Face, White Acrylic | W White |
| | | 2M Double Face, Mirrored Acrylic | |

Example: **NX-814-LEDRMA** - 2-Circuit, Red Letters, Single Face, Mirrored Acrylic Panel, Natural Aluminum Housing

Recessed Edge-Lit fixtures utilize the adjustable housing to create a flush recessed exit sign. The wiring compartment and LED light sources are concealed within a galvanized steel housing. Brilliant red or green sign illumination effects embedded within a clear or mirrored acrylic panel. Single or double face options are available with AC-only, emergency circuit and 90 minute battery options are available.

ELECTRICAL:

Voltage: 120V or 277V dual input

Wattage: 3W normal / 5W emergency operation

Light Source: LED

Circuitry Protection: Isolated surge and short circuit protection. Disconnect for deep discharge.

CONSTRUCTION: Galvanized steel housing with die-cast cover plate and acrylic panel.

FACE: Single or double faced acrylic face can be adjusted 0° to 90° in the field for wall, ceiling, or sloped applications. Red or green lettering inside face. Adhesive mounted chevrons included.

MOUNTING: Wall, side, or ceiling mount. Bar hangers with captive nails adjust to a maximum of 24-1/2" and compensate for a maximum ceiling thickness of 1".

EMERGENCY CIRCUIT: Second circuit for input from external EPS or other alternative emergency power source or generator (NX-814-LED only)

BATTERY: Replaceable Ni-Cad battery (NEB-NICAD) offers 90 minute emergency operation (NX-815-LED only)

TESTING: High-charge / ready operation indicator light and test button.

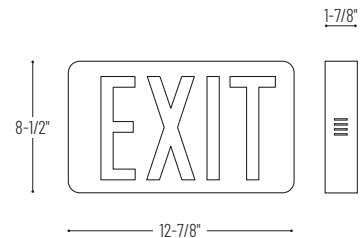
LISTING & WARRANTY:

- UL Listed
- NEC
- NFPA
- 5 year warranty on materials and workmanship



EXIT & EMERGENCY

DIE-CAST LED EXIT SIGNS STANDARD AND SELF DIAGNOSTIC



DIE-CAST LED EXIT SIGN

| OPERATION | LETTER COLOR | FACES |
|--|--------------------|------------------------|
| NX-505-LED AC only | /G 6" Green | (blank) Single Face |
| NX-525-LED 2-Circuit (single face only) | /R 6" Red | /2F Double Face |
| NX-605-LED Battery Backup | | |
| NX-615-LED Battery Backup and Self Diagnostic | | |

Example: **NX-615-LED/R/2F** - Battery Backup and Self-Diagnostic, Red Letters, Double Faced

Ideal for architectural applications, Nora Lighting offers its low profile, die-cast aluminum LED exit signs. Both die-cast faces are brushed to give a simple, yet elegant, effect. In the event of a power loss, the LED light source will remain illuminated for 90 minutes. AC only, emergency circuit, 90 minute battery and self diagnostic options are available.

ELECTRICAL:

Voltage: 120V or 277V dual input

Wattage: 2W

Light Source: LED

Circuitry Protection: Isolated surge and short circuit protection. Disconnect for deep discharge.

CONSTRUCTION: Brushed, die-cast aluminum housing.

FACE: Single or double faced with 6" red or green lettering with color diffusion.

MOUNTING: Wall, side, or ceiling mount. Canopy and mounting hardware included.

EMERGENCY CIRCUIT: Second circuit for input from external EPS or other alternative emergency power source or generator. (NX-525-LED only)

BATTERY: Replaceable Ni-Cad battery (NEB-NICAD2) offers 90 minute emergency operation. (NX-605-LED and NX-615-LED only)

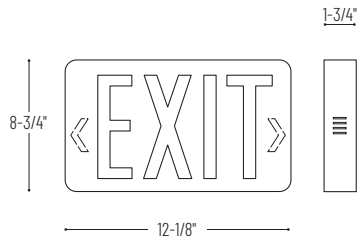
TESTING: High-charge / ready operation indicator light and test button with automatic reset.

LISTING & WARRANTY:

- UL Listed
- NEC
- NFPA
- NFPA-101 (NX-615-LED)
- 5 year warranty on materials and workmanship



EXIT & EMERGENCY THERMOPLASTIC LED EXIT SIGNS



THERMOPLASTIC LED EXIT SIGN

| OPERATION | LETTER COLOR / HOUSING COLOR |
|----------------------------------|-------------------------------------|
| NX-503-LED AC only | /G 6" Green / White Housing |
| NX-504-LED 2-Circuit | /BG 6" Green / Black Housing |
| NX-603-LED Battery Backup | /R 6" Red / White Housing |
| | /BR 6" Red / Black Housing |

Example: **NX-504-LED/R** - 2-Circuit, Red Letters, White Housing

Nora Lighting's compact low profile LED exit sign are as brilliant and visible as standard incandescent signs, yet use a fraction of the power. LED light sources require no maintenance for 25 years - saving greatly on maintenance and upkeep costs. LED exit signs are ideal for commercial and industrial standard non-emergency applications where low maintenance and operating costs are a must.

ELECTRICAL:

Voltage: 120V or 277V dual input

Wattage: 2W

Light Source: LED

Circuitry Protection: Isolated surge and short circuit protection. Disconnect for deep discharge.

CONSTRUCTION: Injection-molded thermoplastic housing available in white or black.

FACE: Both double and a blank face are included with 6" red or green lettering with color diffusion. Knockout directional chevrons are replaceable.

MOUNTING: Wall, side, or ceiling mount. Canopy and mounting hardware included.

EMERGENCY CIRCUIT: Second circuit for input from external EPS or other alternative emergency power source or generator. (NX-504-LED only)

BATTERY: Replaceable Ni-Cad battery (NEB-NICAD2) offers 90 minute emergency operation. (NX-603-LED only)

TESTING: High-charge / ready operation indicator light and test button with automatic reset.

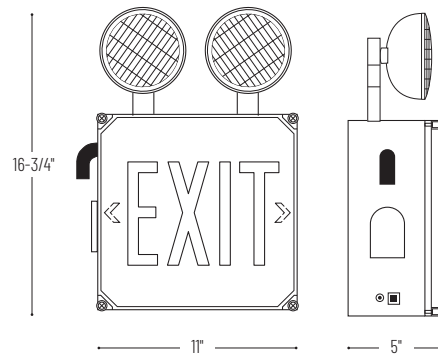
LISTING & WARRANTY:

- UL Listed
- CSA (NX-503 and 603 red letters only)*
- NEC
- NFPA
- Suitable for Damp Location
- 5 year warranty on materials and workmanship



EXIT & EMERGENCY

WET LOCATION LED EXIT / EMERGENCY



WET LOCATION LED EXIT / EMERGENCY COMBINATION

| OPERATION | LETTER COLOR / HOUSING COLOR |
|-----------------------------------|--|
| NEX-710-LED Battery Backup | /G 6" Green / Single Face / White Housing /R 6" Red / Single Face / White Housing |

Example: **NEX-710-LED/R** - Battery Backup, Red Letters, Single Face, White Housing

For wet and corrosive environments, Nora offers the NEX-710-LED emergency / exit sign approved for wet location environments. A heavy-duty gasket protected housing completely seals all electrical components and connections from corrosive atmospheres, non-hazardous dust, water spray, splash, and regular hose-downs. During normal operation, the exit sign operates on long life LED sources for brilliant, maintenance-free illumination. During emergency operation, the exit sign and dual incandescent heads operate 90 minutes under battery power. Ideal for industrial or any other applications subject to wet or cold weather.

ELECTRICAL:

Voltage: 120V or 277V dual input

Wattage: 4.8W normal / 15W emergency operation

Light Source: Exit - LED

Emergency - 2 x 6W T5 6V Wedge Base incandescent lamps

CONSTRUCTION: High impact plastic, heavy-duty gasket-protected housing.

FACE: Single face with 6" red or green lettering with color diffusion. Knockout directional chevrons.

EMERGENCY: Two fully adjustable glare-free round heads for T5 light source.

MOUNTING: Wall mount only. All mounting hardware included.

BATTERY: Replaceable Lead-Calcium battery (NEB-6V-4.5) offers 90 minute emergency operation. Internal solid state charging circuit.

TESTING: High-charge / ready operation indicator light and waterproof, rubber test button.

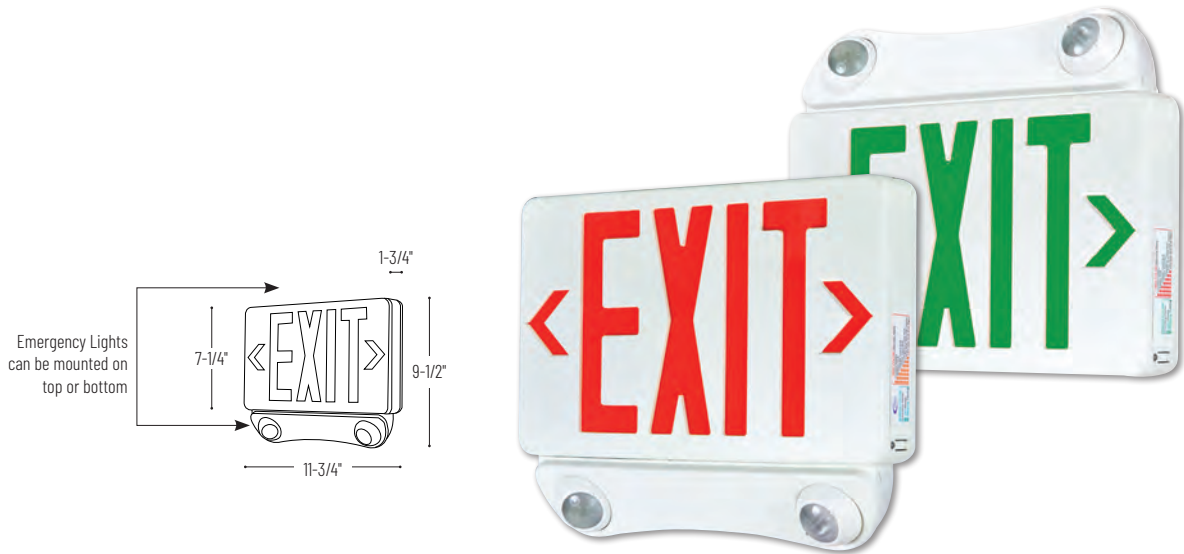
LISTING:

- UL Listed for Wet Location
- NEC
- NEMA-4X
- NFPA
- State and Municipal



EXIT & EMERGENCY

COMPACT ADJUSTABLE HEADS LED EXIT & EMERGENCY



LED EXIT AND EMERGENCY WITH ADJUSTABLE HEADS

| OPERATION | LETTER COLOR / HOUSING COLOR |
|-----------------------------------|---|
| NEX-730-LED Battery Backup | /G 6" Green Letters / White Housing |
| | /GB 6" Green Letters / Black Housing |
| | /R 6" Red Letters / White Housing |
| | /RB 6" Red Letters / Black Housing |

Example: **NEX-730-LED/R** - Exit and Emergency Light with Adjustable Heads, Battery Backup, Red Letters, White Housing

NEX-730 Combination Dual Head Emergency / Exit fixture offers the ultimate in flexibility and options. During normal operation, the exit sign operates on long life LED sources for brilliant, maintenance-free illumination. During emergency operation, the exit sign and dual LED heads operate 90 minutes under battery power.

ELECTRICAL:

Voltage: 120V or 277V dual input

Wattage: 2.8W normal / 3.5W emergency

Light Source: LED

Circuitry Protection: Isolated surge and short circuit protection. Disconnect for deep discharge.

CONSTRUCTION: Injection molded high impact and scratch resistant corrosion-proof and UL94 5V-0 flame retardant housing. Available in white or black.

FACE: Single faced with 6" red or green lettering with color diffusion. Knockout directional chevrons are replaceable.

EMERGENCY: Two adjustable balls and socket with self-protected, covered, round glare-free LEDs. Emergency heads can be mounted on top or bottom.

MOUNTING: Wall or ceiling mount. All mounting hardware included.

BATTERY: Replaceable Ni-Cad battery offers 90 minute emergency operation. Internal solid state charging circuit.

TESTING: High-charge / ready operation indicator light and test button.

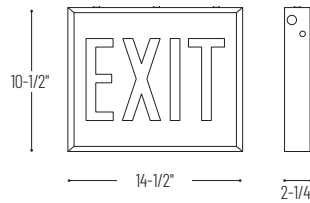
LISTING:

• UL Listed for Damp Location



EXIT & EMERGENCY

STEEL LED EXIT SIGN NEW YORK APPROVED



STEEL LED EXIT AND EMERGENCY

| OPERATION | LETTER COLOR / HOUSING COLOR |
|--|---|
| NX-550-LEDU Exit Sign with Battery Backup | /R 8" Red Letters / White Housing /RB 8" Red Letters / Black Housing |

Example: **NX-550-LEDU/R** - Steel LED Exit Sign, Battery Backup, Red Letters, White Housing

Rugged 20 gauge steel luminaires comply with the latest New York City codes and performance standards. Available in exit or exit/emergency combination units.

ELECTRICAL:

Voltage: 120V or 277V dual input

Wattage: 4.8W

Light Source: LED

Circuitry Protection: Solid state

CONSTRUCTION: Low profile, snap-together housing constructed of 20 gauge steel. Snap-out knockouts for wiring.

FACE: Both double and a blank face are included with 8" red letters and 1" stroke. Knockout directional chevrons.

MOUNTING: Wall, side or ceiling mount. All mounting hardware included.

BATTERY: Ni-Cad 3.7 Watts at 120V battery offers 90 minute emergency operation on fully charged battery.

TESTING: High-charge / ready operation indicator light and test button.

LISTING:

- UL Listed
- NFPA-101
- NY Approved
- Suitable for Damp Location



EXIT & EMERGENCY

NEW YORK APPROVED STEEL LED EXIT AND EMERGENCY



STEEL LED EXIT AND EMERGENCY

| OPERATION | LETTER COLOR / HOUSING COLOR | NUMBER OF HEADS |
|---|--|--|
| NEX-751-LED Exit and Emergency with Battery Backup | /R 8" Red Letters / White Housing | 2 (2) Emergency LED Heads 3 (3) Emergency LED Heads |

Example: **NEX-751-LED/R3** - Steel LED Exit Sign with (3) LED Emergency Heads, Battery Backup, Red Letters, White Housing

Rugged 20 gauge steel luminaires comply with the latest New York City codes and performance standards. Available in exit or exit/emergency combination units.

ELECTRICAL:

Voltage: 120V or 277V dual input

Wattage:

4.8W Normal
2W or 3W Emergency operation

Light Source: LED

Circuitry Protection: Solid state

CONSTRUCTION: Low profile, snap-together housing constructed of 20 gauge steel. Snap-out knockouts for wiring.

FACE: Both double and a blank face are included with 8" red letters and 1" stroke. Knockout directional chevrons.

EMERGENCY: Two or three 1W / 100lm per head LED emergency lights.

MOUNTING: Wall or side mount. All mounting hardware included.

BATTERY: Ni-Cad 3.6V 600mAH per head battery offers 90 minute emergency operation on fully charged battery.

TESTING: High-charge / ready operation indicator light and test button.

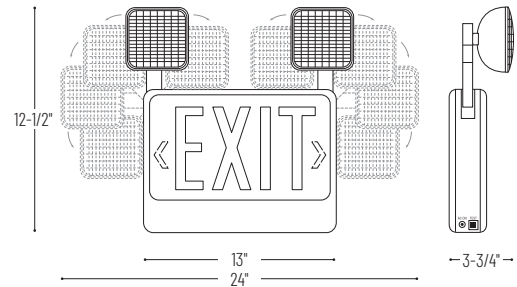
LISTING:

- UL Listed
- NFPA-101
- NY Approved
- Suitable for Damp Location



EXIT & EMERGENCY

LED EXIT & EMERGENCY ADJUSTABLE HEADS, REMOTE CAPABILITY, SELF DIAGNOSTIC



LED EXIT AND EMERGENCY WITH REMOTE CAPABILITY

| OPERATION | LETTER COLOR / HOUSING COLOR |
|-----------------------------------|--|
| NEX-711-LED Battery Backup | /G 6" Green Letters / White Housing /GB 6" Green Letters / Black Housing /R 6" Red Letters / White Housing /RB 6" Red Letters / Black Housing |

Example: **NEX-711-LED/R** - Battery Backup, Red Letters, White Housing



Compatible with Remote Heads, requires additional battery. See page 366.

Combination Dual Head Emergency / Exit fixture offers the ultimate in flexibility and options. During normal operation, the exit sign operates on long life LED sources for brilliant, maintenance-free illumination. During emergency operation, the exit sign and dual LED heads operate 90 minutes under battery power. The fixture can accept a second battery allowing two remote heads to be installed within 15' of the main unit.

ELECTRICAL:

Voltage: 120V or 277V dual input

Wattage: 3.8W normal / 3.5W emergency

Light Source: LED

Circuitry Protection: Isolated surge and short circuit protection. Disconnect for deep discharge.

CONSTRUCTION: Injection-molded housing with 1/2" replaceable knockouts for power conduit feed. Available in white or black.

FACE: Both double and a blank face are included with 6" red or green letters with color diffusion. Knockout directional chevrons are replaceable.

EMERGENCY: Two adjustable arms with square 75lm LED heads with specular reflector & diffuser lens.

MOUNTING: Wall, side or ceiling mount. Housing snaps to canopy with a simple twist and lock. All mounting hardware included.

BATTERY: Replaceable Ni-Cad battery offers 90 minute emergency operation. Additional battery may power remote 3.6V 3W head.

TESTING: Self-Diagnostic luminaire performs self-tests. High-charge / ready operation indicator light and test button.

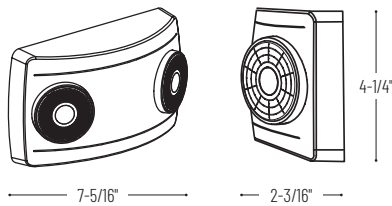
REMOTE: Luminaire can accept an additional battery to power a remote emergency head within 15' for 90 minutes during power failure. See page 366 for compatible 3.6V 3W remote heads.

LISTING:

- UL Listed for Damp Location
- NEC
- NFPA



EXIT & EMERGENCY LED EMERGENCY LIGHT



DUAL HEAD LED EMERGENCY LIGHT WITH REMOTE CAPABILITY

| OPERATION | | HOUSING COLOR |
|----------------------|--|------------------------|
| NE-602LED | 2W / 150lm Heads (no remote capability) | B Black Housing |
| NE-602LEDRC | 2W / 150lm Heads / Remote Capable / Self Diagnostics | W White Housing |
| NE-602LEDHORC | 4W / 250lm Heads / Remote Capable / Self Diagnostics | |

Example: **NE-602LEDB** - 2W / 150lm Dual Head Emergency Light, No Remote Capability, Black Housing



Compatible with Remote Heads, requires additional battery. See page 366.

LED Emergency lights provide 90 minutes of light from two adjustable glare-free round LED heads for illuminating paths of egress upon failure of normal power. Emergency unit is available in higher lumen output and remote capability.

ELECTRICAL:

Voltage: 120/277 VAC 60Hz

Lumens / Wattage:

(2) 1W / 75lm (standard) or
(2) 2W / 125lm (high output)

Light Source: LED

CCT: 6000K

CONSTRUCTION: Injection-molded thermoplastic ABS housing with 5VA flame retardant features quick connectors for easy installation.

EMERGENCY: Two fully adjustable glare-free round LED heads for emergency lighting.

MOUNTING: Suitable for wall or ceiling mount. Plastic enclosure includes a top and side knockout for conduit applications.

BATTERY: Maintenance-free, rechargeable NiCad battery offers 90 minute emergency operation. Optional 3.6V battery for 3.6V 2W or 3W remote capabilities available

REMOTE: Luminaire can be specified with an additional battery to power a remote emergency head within 15' for 90 minutes during power failure. See page 366 for compatible 3.6V remote heads.

TESTING: Optional self-diagnostic feature performs self-tests. High-charge / ready operation indicator light and test button.

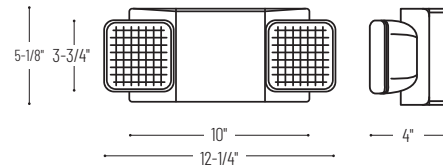
LISTING & WARRANTY:

- cULus Listed for Damp Location
- NFPA
- 3-Year Limited Warranty



EXIT & EMERGENCY

LED EMERGENCY LIGHT REMOTE CAPABILITY / SELF DIAGNOSTIC



DUAL HEAD LED EMERGENCY LIGHT WITH REMOTE CAPABILITY

| OPERATION | REMOTE | HOUSING COLOR |
|---------------------------------|-----------------------------|--|
| NE-700LED Battery Backup | RC Remote Capability | B Black Housing W White Housing |

Example: **NE-700LEDRCB** - Dual Head Emergency Light with Remote Capability, Black Housing



Compatible with Remote Heads, requires additional battery. See page 366.

Mini profile LED emergency light with remote capability and self diagnostics. Luminaire provides 90 minutes of light from two adjustable heads for illuminating paths of egress upon failure of normal power.

ELECTRICAL:

Voltage: 120/277 VAC 60Hz
Lumens / Wattage: Two 1W / 100lm
Light Source: LED
CCT: 6000K

CONSTRUCTION: Injection-molded thermoplastic ABS housing with 5VA flame retardant features snap-together design for easy installation.

EMERGENCY: Two fully adjustable glare-free square LED heads for emergency lighting.

MOUNTING: Suitable for wall or ceiling mount. Plastic enclosure includes a top and side knockout for conduit applications.

BATTERIES: Maintenance-free, rechargeable NiCad battery offers 90 minute emergency operation. Includes additional 3.6V battery for 3W remote capabilities

REMOTE: Luminaire includes an additional battery to power a remote emergency head within 15' for 90 minutes during power failure. See page 366 for compatible 3.6V 3W remote heads

TESTING: Self-Diagnostic luminaire performs self-tests. High-charge / ready operation indicator light and test button.

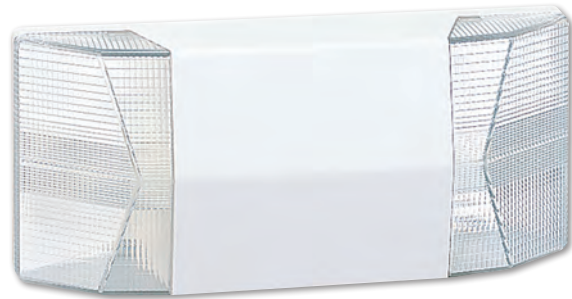
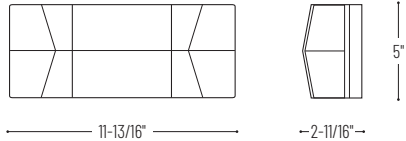
LISTING:

- cULus Listed for Damp Location
- NFPA



EXIT & EMERGENCY

BATTERY BACKUP EMERGENCY LIGHT



DUAL HEAD T5 EMERGENCY LIGHT WITH BATTERY BACKUP

OPERATION

NE-806 (2) T5 Wedge Base Lamps / Battery Backup / White Finish

Example: NE-806 - (2) T5 Wedge Base Lamps / Battery Backup / White Finish

Low profile dual head DC emergency light with 120V/277V AC charging. Luminaire provides 90 minutes of light from two heads for illuminating paths of egress upon failure of normal power.

ELECTRICAL:

Voltage: 120/277 VAC

Lamps: (2) 6W T5

Socket: Wedge Base

Light Source: Incandescent

CONSTRUCTION: Injection-molded thermoplastic ABS housing with two clear polycarbonate beveled lamp covers.

EMERGENCY: Two fully adjustable glare-free round LED heads for emergency lighting.

MOUNTING: Suitable for wall or ceiling mount.

BATTERY: Maintenance-free, rechargeable lead-calcium battery offers 90 minute emergency operation.

TESTING: High-charge / ready operation indicator light and test button. Isolated surge/short circuit protection.

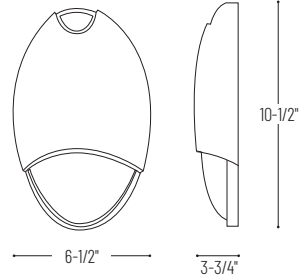
LISTING & WARRANTY:

- ETL Listed for Damp Location
- NFPA
- NEC



EXIT & EMERGENCY

OUTDOOR DIE-CAST LED EMERGENCY PHOTOSENSOR



OUTDOOR DIE-CAST LED EMERGENCY LIGHT WITH PHOTOSENSOR

| OPERATION | HOUSING COLOR | OPTIONS |
|---|--|---------------------------------|
| NE-90ILED General / Emergency Lighting | B Black Housing BZ Bronze Housing W White Housing | CC Cold Weather Heat Pad |

Example: **NE-90ILEDGCC** - Outdoor Die-Cast Emergency Light with Photosensor, Black Housing, with Cold Weather Heat Pad

Decorative low profile architectural die-cast luminaire with polycarbonate lens rated for cold weather and outdoor applications. Unique luminaire includes general lighting for everyday use and emergency lighting when power failure occurs.

ELECTRICAL:

Voltage: 120/277 VAC 60Hz
Lumens / Wattage: 1200lm / 15W general lighting
 180lm / 3W emergency lighting
Light Source: LED
CCT / CRI: 5000K / 80 CRI

CONSTRUCTION: Low profile, die-cast aluminum housing with UV resistant polycarbonate lens is IP65 rated and suitable for outdoor applications. Available in white, black or bronze finish.

GENERAL LIGHTING: The photosensor will turn on the luminaire in the absence of light. The fixture can also be turned on and off with a wall switch.

EMERGENCY: During power loss, luminaire will switch into emergency mode and illuminate at 180lm for up to 90 minutes. A 24 hour maximum recharge time is required after power loss.

COLD WEATHER APPLICATION: Upon reaching -10°C an internal heating pad will maintain optimal operating temperature with an AC connection.

MOUNTING: Wall mounted with top or rear knockouts.

BATTERY: Maintenance-free NiCad 4.8V 1.8A offers 90 minute emergency operation.

TESTING: Self-Diagnostic luminaire performs self-tests. High-charge / ready operation indicator light and test button.

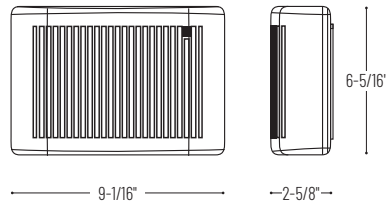
LISTING:

- cULus Listed for Wet Location
- IP65 Rated



EXIT & EMERGENCY

PHOTOSENSOR OUTDOOR DIE-CAST LED EMERGENCY



OUTDOOR SLIM LED EMERGENCY LIGHT WITH PHOTOSENSOR

| OPERATION | HOUSING COLOR |
|---|--|
| NE-902LED General / Emergency Lighting | B Black Housing BZ Bronze Housing W White Housing |

Example: **NE-902LEDBZ** - Outdoor Slim Emergency Light with Photosensor, Bronze Housing

Slim architectural outdoor LED wallpack with photosensor for dusk to dawn security lighting. Unique luminaire includes general lighting for everyday use and emergency lighting when power failure occurs.

ELECTRICAL:

Voltage: 120 or 277 VAC 60Hz

Lumens / Wattage: 1600lm / 18W general lighting
600lm / 5W emergency lighting

Light Source: LED

CCT: 5000K

CONSTRUCTION: Low profile, die-cast aluminum housing with UV resistant polycarbonate lens is IP65 rated and suitable for outdoor applications. Available in white, black or bronze finish.

GENERAL LIGHTING: The photosensor will turn on the luminaire in the absence of light. The fixture can also be turned on and off with a wall switch.

EMERGENCY: During power loss, luminaire will switch into emergency mode and illuminate at 600lm for up to 90 minutes. A 24 hour maximum recharge time is required after power loss.

MOUNTING: Wall mounted with top or rear knockouts.

BATTERY: Maintenance-free NiCad 7.2V 2A offers 90 minute emergency operation.

TESTING: Self-Diagnostic luminaire performs self-tests. High-charge / ready operation indicator light and test button.

LISTING:

- cULus Listed for Wet Location
- DLC Listed
- IP65 Rated



EXIT & EMERGENCY

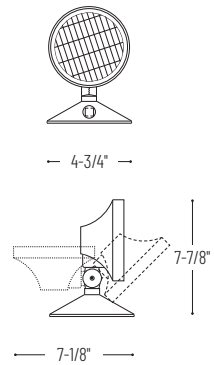
REMOTE EMERGENCY LED HEAD(S)



LED Round Single Head

NE-981 White / Single Head / Wet Location

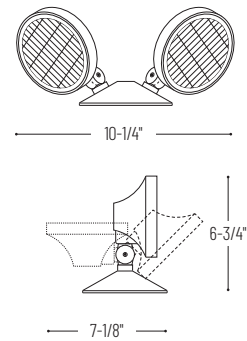
- 3V to 12V input
- 80lm / 1W LED
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- cULus Listed for Wet Locations



LED Round Single Head

NE-982 White / Double Head / Wet Location

- 3V to 12V input
- 80lm / 1W LED per head
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- cULus Listed for Wet Locations



LED Round Single or Double Head

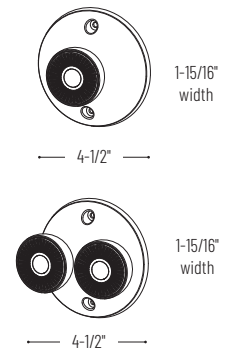
NE-861LEDW White / Single Head / (1) 1W / Damp Location

NE-862LEDW White / Double Head / (2) 1W / Damp Location

NE-863LEDW White / Single Head / (1) 2W / Damp Location

NE-864LEDW White / Double Head / (2) 2W / Damp Location

- 3.6V input / 1W (861, 862) or 2W (863, 864) LED per head
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant

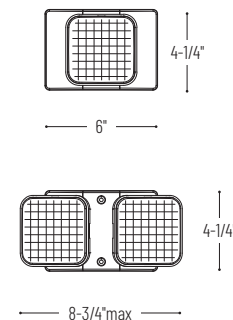


LED Square Single or Double Head

NE-871LEDW White / Single Head / (1) 1W / Damp Location

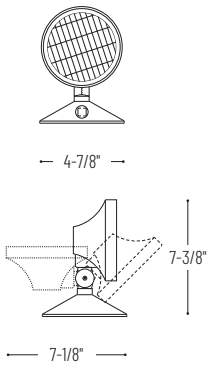
NE-872LEDW White / Double Head / (2) 1W / Damp Location

- 3.6V input
- 1W LED per head
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant



EXIT & EMERGENCY

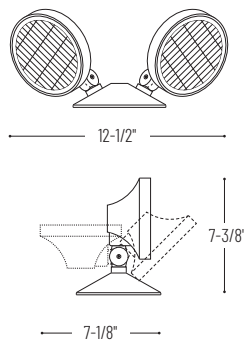
REMOTE EMERGENCY T5 HEAD(S)



T5 Round Single Head

NE-931  Grey / Single Head / Wet Location

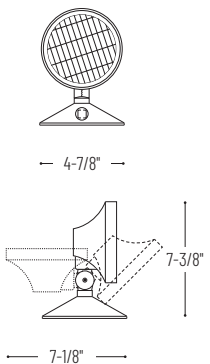
- 6V or 12V input
- 6V 6W T5 wedge base lamp included
- Lamp must be replaced for 12V operation
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant



T5 Round Double Head

NE-932  Grey / Double Head / Wet Location

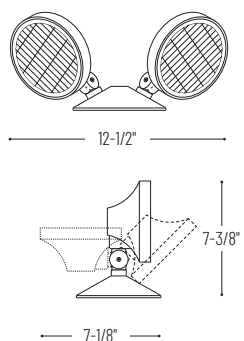
- 6V or 12V input (6V lamp included)
- (2) 6V 6W T5 wedge base lamps included
- Lamps must be replaced for 12V operation
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant



T5 Round Single Head

NE-831 White / Single Head / Damp Location

- 6V or 12V input
- 6V 6W T5 wedge base lamp included
- Lamp must be replaced for 12V operation
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant



T5 Round Double Head

NE-832 White / Double Head / Damp Location

- 6V or 12V input (6V lamp included)
- (2) 6V 6W T5 wedge base lamps included
- Lamps must be replaced for 12V operation
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant



EXIT & EMERGENCY ACCESSORIES



Wet Location / Vandal Resistant Enclosure

NEG-60 Wall Mount

- Wall mounting only
- Compatible Fixtures:
NEX-730-LED, NX-503-LED, NX-504-LED, NX-603-LED



Wet Location / Vandal Resistant Enclosure

NEG-50 Wall Mount

- Wall mounting only
- Compatible Emergency Light:
NE-700-LED



Emergency Battery Backup for LED Dedicated Recessed Housings

NEPK-07LEDUNV 90 minute battery backup with remote test switch

NEPK-07LEDFPTS Remote test switch only

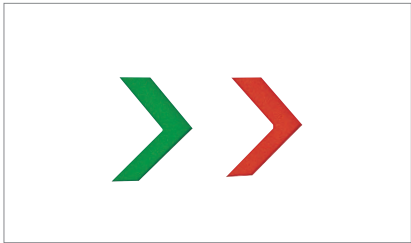
- Compatible with new construction and remodel housings
- Includes remote test switch

EXIT & EMERGENCY ACCESSORIES

Replacement Chevrons for Edge-Lit Series

| | |
|---------------|---------------|
| NEXC-G | Green Letters |
| NEXC-R | Red Letters |

- Set of two Chevrons
- Compatible Exit Signs:
NX-810-LED, NX-811-LED, NX-812-LED, NX-813-LED,
NX-814-LED, NX-815-LED



Replacement Lead Calcium Battery

| | |
|-------------------|----------------------|
| NEB-6V-4.5 | 6 Volt, 4.5 Amp/Hour |
|-------------------|----------------------|

- Compatible Emergency & Exit/Emergency Combination Units:
NE-806, NE-960, NEX-710-LED
- Can be used as an additional battery for remote capabilities



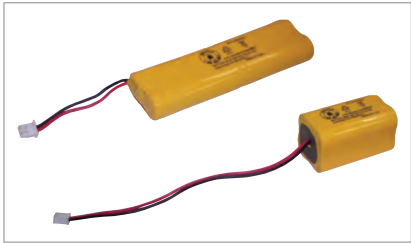
Replacement NiCad Batteries

| | |
|------------------|------------------|
| NEB-NICAD | Rectangle / 4.8V |
|------------------|------------------|

- Compatible Exit Signs:
NX-607-LED, NX-810-LED, NX-811-LED, NX-812-LED, NX-813-LED, NX-814-LED,
NX-815-LED

| | |
|-------------------|---------------|
| NEB-NICAD2 | Square / 4.8V |
|-------------------|---------------|

- Compatible Exit Signs:
NX-505-LED, NX-603-LED, NX-605-LED, NX-615-LED



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