

LED

 **INORA** | *NSPEC*

CATALOG 3RD EDITION

Illuminating the future...since 1989

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

At Nora Lighting, 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 corporate 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 25 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 product guide are a testament to this. Since the development of our first LED downlight in 2011, our team of engineers has 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.



Nora's Lighting is Committed to Green

Nora's Commitment to Being Green

Protecting the environment is an important responsibility, and one that we take seriously in the products we build and in our daily operations.

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



Developing products to help you go Green

Since 2011, Nora Lighting has focused on 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. With products built to meet Title 24 and Energy Star requirements, Nora and NSpec LEDs can help you in achieving your green initiatives.



Nora's Network



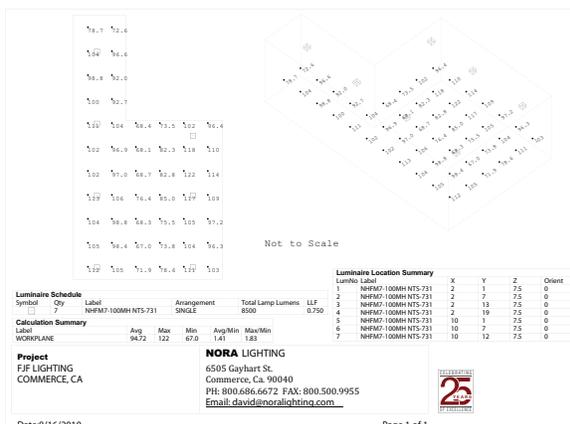
Nationwide Distribution: Faster Shipping

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 12 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.

Free Point-by-Point Lighting Design

Nora Lighting through its representatives now offers our customers free Photometric Point-by-Point Lighting layouts, based on a client's information and using AGI32. With this new 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.



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 ballast or custom reflector / trim combination, Nora manufacturing can complete the order and ship it to a distributor within one to five days.

Nora's Services and Capabilities



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, Central and South America. Our complete line of fixtures and accessories can be found nationwide at electrical wholesalers, lighting showrooms and select 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.



World Class Customer Service

At Nora Lighting great customer service is our passion. Whenever you contact our administrative 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 representative who 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.

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 strictly "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 and
- Customized purchase programs that meet customer's needs and expectations.

Nora Engineering

Bringing ideas to reality

Nora's team of designers engineers, mechanical engineers, and electrical engineers work together to develop innovative lines of energy efficient luminaires. Nora engineers combine design and lighting knowledge, thereby creating products that represent an excellent marriage of technology and aesthetics. To aid in their product development lifecycle, Nora 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 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 address questions regarding the new Title 24 requirements and how our products can meet them.

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 Nora Recessed Lighting category links to all recessed lighting fixtures, including: LED, incandescent, low voltage, CFL, metal halide HID, 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 download-able PDF product catalogs and configurable specification data sheets that can be saved with customer information. Nora order forms and credit applications, along with company news and product updates, are also easily viewed and printable.

Internet Business Site: www.Norainfo.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 Norainfo.com. Norainfo 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.Norainfo.com. Check in 24 hours a day for updates on order information that you need now.

FTP Site

The Nora FTP site houses on-demand Nora literature and files. Distributors can access our FTP site at anytime to retrieve marketing materials, detailed product files, and general product and company information.

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.



Lighting Applications

MEMORABLE AND INVITING, PRACTICAL AND FUNCTIONAL



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 and NSpec's high lumen LED track & rail heads provide exceptional accent and spot lighting, while our LED combination lights and Sapphire Series of LED downlights offer general illumination with style. Our LED selection offers excellent color rendition, long life, and energy efficiency, which are critical for retail applications.



...PERFECT ILLUMINATION IN ANY SPACE.

Hospitality & Restaurant

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 and NSpec offer the versatility required to meet different design needs.

For example, you can transition a space from casual to romantic with the Comfort Dim option on our Marquis and Sapphire recessed lights, make your bar or entrance pop with Nora RGB tape light, modernize your hotel room with our Diamond II Square trims, or adorn your lobby with Nora LED pendants. 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 and Recessed, highlight small spaces with our LED undercabinet solutions, create spot lighting with LED Rail and Track, and illuminate exit paths with our LED exist signs. Whatever the task is, Nora and NSpec LED's can be used to illuminate it.

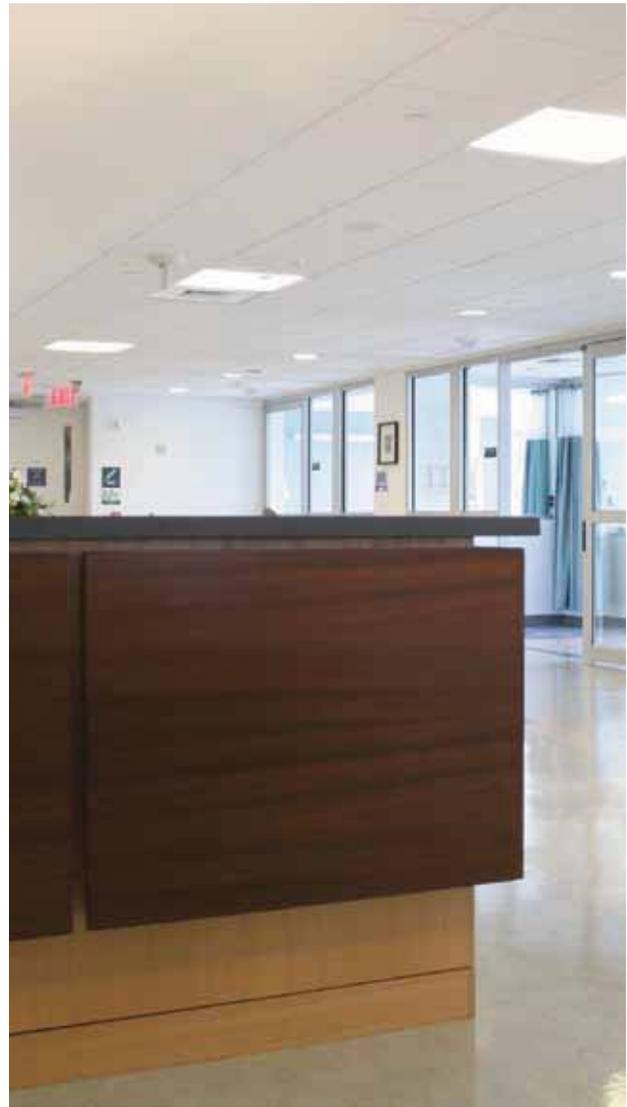


Residential

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 in the home. Given its importance, lighting is also a significant portion of a homeowners energy cost and maintenance time.

Nora and NSpec LED luminaries both reduce 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 & 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.

LED Quality and Color

Understanding CRI (Color Rendering Index)



In general terms, 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 is at rendering 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 output. 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 new Title 24 2013 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.

Lumen Maintenance

Lumen maintenance compares the amount of light produced from a luminaire when it is brand new to the amount of light output at a specific time in the future. Lumen maintenance of LED luminaires is recorded as the amount of luminous flux output remaining after a defined number of hours (ie. 30,000 hrs). For instance, if a 1000Lm LED is classified with a lumen maintenance of 70 (LM70), this means that after 30,000 hours of use, the lumen output of the LED is 70% of what it was when it was first used, meaning the lumen output for the luminaire is 700 lumens.

Lumen maintenance corresponds to the quality of an LED luminaire. Currently, LM80 is the standard for individual LEDs should perform. Contact us directly for lumen maintenance data of our luminaires.

Get a Brighter White (True White)



Powered by Cree TrueWhite® Technology, Nora Sapphire and Marquise downlights deliver a near perfect combination of the industry's best LED light quality and energy efficacy at a 90+ CRI. Cree TrueWhite® Technology mixes the light from red and unsaturated yellow LEDs to create beautiful, pure, white light. This approach enables active color management to maintain tight color consistency and color rendering over the life of the product. Paired with Nora deep cone reflectors, the result is beautiful, low profile, white light with exceptional performance using a fraction of the energy of traditional light sources—an ideal solution for high efficacy white light needs.

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 and NSpec LED luminaires offer several possibilities in terms of color temperature, ranging from 2700K to 8000K.



4000K Cool temperatures most closely approximate 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, Diamond Series, Track & Rail heads and Panel light.



3000K - 3500K 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 and Diamond. 3500K is available on Sapphire and Marquise Series.



2700K Warm temperatures most closely resemble the 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 Comfort Dim for the best of warm temperature dimming.

2700K is available on Sapphire, Marquise and Diamond Series.

LED Products Overview

EDGE-LIT LED PANELS



2 x 2 Edge-Lit LED Panel
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2 x 4 Edge-Lit LED Panel
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DIMMING



Comfort Dim
Warm Light Dimming
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SAPPHIRE SERIES LED DOWNLIGHTS



4" Architectural
LED Sapphire Series
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4" Commercial
LED Sapphire Series
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SAPPHIRE SERIES LED DOWNLIGHTS continued



4" Remodel
LED Sapphire Series
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6" Architectural
LED Sapphire Series
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6" Commercial
LED Sapphire Series
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6" Remodel
LED Sapphire Series
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8" Architectural
LED Sapphire Series
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SAPPHIRE SERIES cont.



8" Commercial
LED Sapphire Series
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8" Remodel
LED Sapphire Series
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4" New Construction
LED Marquise Series
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4" New Construction IC
LED Marquise Series
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4" Remodel
LED Marquise Series
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MARQUISE SERIES LED DOWNLIGHTS

MARQUISE SERIES LED DOWNLIGHTS continued



5" New Construction
LED Marquise Series
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5" Remodel
LED Marquise Series
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6" New Construction
LED Marquise Series
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6" New Construction IC
LED Marquise Series
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6" Remodel
LED Marquise Series
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MARQUISE RETROFIT SERIES LED DOWNLIGHTS



5" 850 Lumen LED
Marquise Retrofit
with Comfort Dim option
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6" 850 Lumen LED
Marquise Retrofit
with Comfort Dim option
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DIAMOND RETROFIT SERIES LED DOWNLIGHTS



4" 630 Lumen
LED Diamond II
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4" 630 Lumen Square
LED Diamond II
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5" 650 Lumen
LED Diamond II
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LED Products Overview

DIAMOND RETROFIT SERIES cont.



5" 1000 Lumen
LED Diamond
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6" 650 Lumen
LED Diamond II
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6" 1000 Lumen
LED Diamond
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6" 650 Lumen Adjustable
LED Diamond II
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LED MULTIPLES MLS



850-3000 Lm. LED Multiple
Lighting System
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LED MULTIPLE LIGHTING SYSTEM MLS continued



1700-6000 Lm. LED Multiple
Lighting System
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2250-9000 Lm. LED Multiple
Lighting System
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LED Compatible
Multiple Lighting System
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LED Compatible
Multiple Lighting System
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LED Compatible
Multiple Lighting System
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LED STEP LIGHTS



Mia Die-Cast Mini
LED Step Lights
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Mini LED Step Lights
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Brick Die-Cast LED Step Lights
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LED Step Lights
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24V LED Lightbar **90+**
and LED Lightbar **Plus**
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LED SPECIALTY

LED SPECIALTY continued



LED 120V LEDUC
Under Cabinet
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LED 120V Bravo
LED 120V Bravo **Plus**
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0.5W 39 Lumen
LED Flex Light
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1.0W 105 Lumen
LED Flex Light
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1.5W 129 Lumen
LED Flex Light
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LED SPECIALTY continued



0.72W RGB
LED Flex Light
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12V / 24V Standard
Wet Label LED Tape Light
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24V Standard
Damp Label LED Tape Light
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24V Standard
Side-Lit LED Tape Light
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24V Hy-Brite
LED Tape Light
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LED Products Overview

LED SPECIALTY continued



24V High Output
LED Tape Light
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12V/24V RGB
LED Tape Light
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12V LED Puck Light
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LED TRACK LIGHTING



Revo Remote Control
PAR Track Head
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LED Linear Flood
T-Wash Track Head
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LED TRACK LIGHTING continued



25W Adj. Beam
Flex Beam Track Head
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35W LED
Aiden Track Head
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18W LED
Pillar Track Head
p.108



12W/23W LED
Cori Track Head
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9W LED
Robo Track Head
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LED TRACK LIGHTING continued



Versa MR16 LED/Halogen
Cylinder Track Head
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Versa MR16 LED/Halogen
Gimbal Ring Track
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Versa MR16 LED/Halogen
Wireback Track Head
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Versa MR16 LED/Halogen
Roundback Track
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Metro™ Track Head 3-6W
GU10 MR16 LED
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LED TRACK LIGHTING continued



Italia™ Track Head 3-6W
GU10 MR16 LED
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Belgium™ Track 12W
PAR30 LED
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Belgium™ Track
17-20W PAR38 LED
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Lamp Holder with
7-20W PAR LED
p.113



Truly Universal™ Holder
7-20W PAR LED
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LED TRACK LIGHTING continued



Gimbal Ring
7W PAR20 LED
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Gimbal Ring
12W PAR30 LED
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Gimbal Ring
17-20W PAR38 LED
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Shroud
PAR30 LED
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Shroud
PAR38 LED
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LED Products Overview

LED RAIL LIGHTING



9W LED Robo
Rail Fixture
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Versa MR16 LED/Halogen
Argon Curve Rail
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Versa MR16 LED/Halogen
Argon Swivel Rail
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Versa MR16 LED/Halogen
Sienna Ring Rail
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Versa MR16 LED/Halogen
Neon Rail
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LED RAIL LIGHTING continued



Siena Rail Fixture
3-6W GU10 MR16 LED
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Neat Rail Fixture
3-6W GU10 MR16 LED
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Ives Gooseneck
3-6W GU10 MR16 LED
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Fili Display Rail
3-6W GU10 MR16 LED
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Ulysses Rail Fixture
7W PAR20 LED
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LED RAIL LIGHTING continued



Ulysses Rail Fixture
12W PAR30 LED
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Ulysses Rail Fixture
17-20W PAR38 LED
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Belgium Rail Fixture
PAR30 LED
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Belgium Rail Fixture
PAR38 LED
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Gimbal Ring
7W PAR20 LED
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LED RAIL LIGHTING continued



Gimbal Ring
12W PAR30 LED
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Gimbal Ring
17-20W PAR38 LED
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Universal Holder
7-20W PAR LED
p.129



Exhibit Display
3-6W GU10 MR16 LED
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LED PENDANTS LIGHTING



Saria 1W/3W LED Complete
Pendant
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LED PENDANTS LIGHTING continued



10W LED Pendant
Assembly
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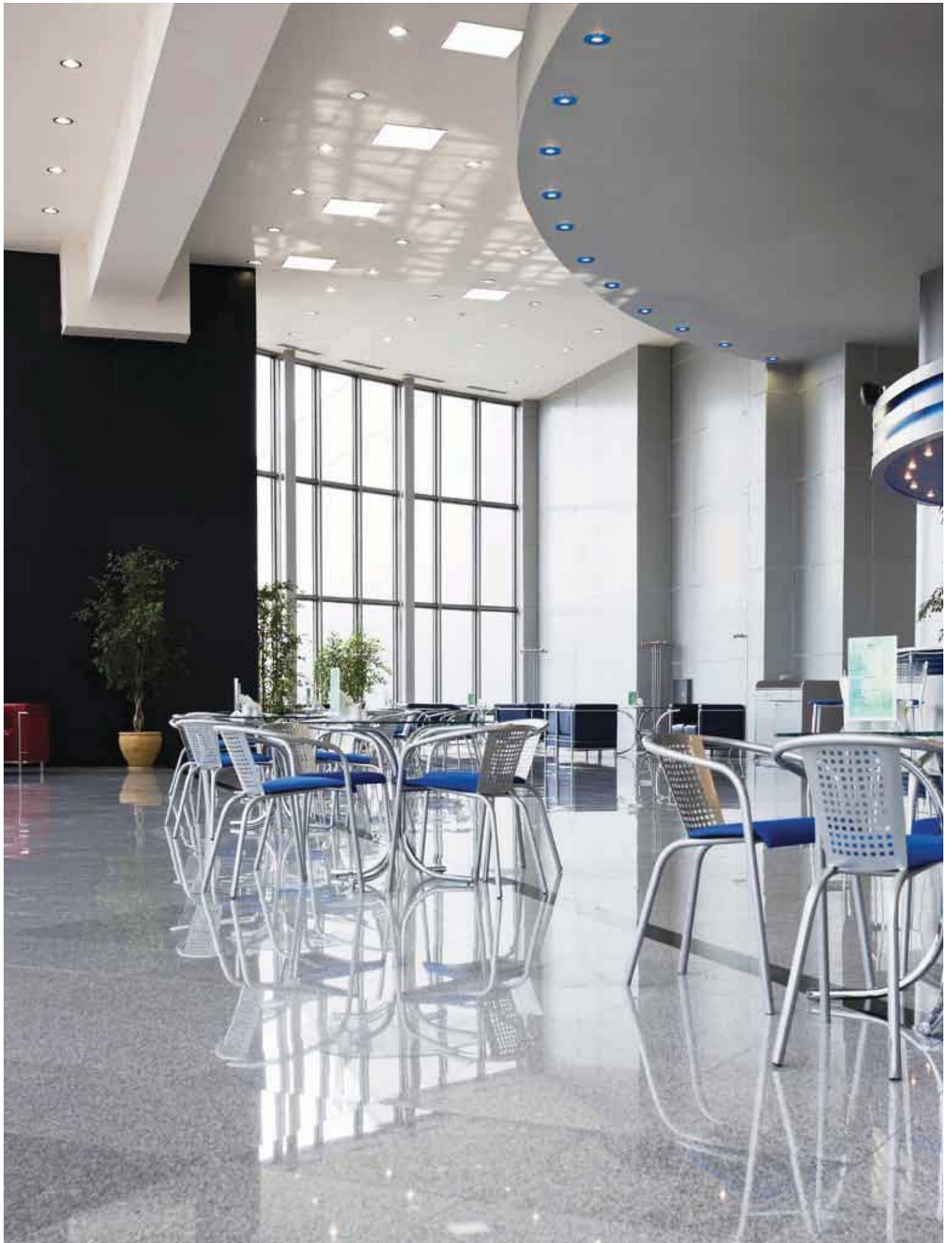
Decorative Glass for LED
Pendant
p.140-142

EXIT & EMERGENCY



LED Exit Sign & Emergency
Combo
p.145-147







NSpec, the newest division of Nora Lighting, is focused on the development of product that meets the criteria of the architectural, specification and design community. NSpec products feature material and components intended for use in commercial applications. Design with optics using photometric data to achieve the most efficient use of the light source while meeting or exceeding industry standards. NSpec products are built and developed to provide optimal visual comfort and consistency in performance.

NSPEC

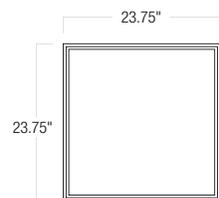
ARCHITECTURAL LIGHTING

A Division of Nora Lighting



LED EDGE-LIT PANELS

New Construction and Remodel **2X2** and **2X4**



NPD-E2483



NPD-E2243

LIGHTING TIP

While typically being 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. The recessed or surface mounting kits can be used or specified in remodel applications.

LED EDGE-LIT PANELS

FRAME TYPE	SIZE	TEMP	DIMMER	FINISH
NPD Panel, Diffused Lens	E2243 2x2 CRI 84 Watts 39 Lumen 3800 Volt 120/277	/30 3000K /40 4000K /50 5000K	(Blank) 0-10V ND Non-Dim	A Aluminum
	E2483 2x4 CRI 84 Watts 59 Lumen 6000 Volt 120/277			

Example: **NPD-E2243/40A** - 2x2 LED Edge-Lit Panel, 4000K, 0-10V Dimmable, Aluminum Finish

The NSpec 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 Edge-Lit 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.

DESIGN PERFORMANCE FEATURES:

- Available in 2' x 2' and 2' x 4'
- NPD - Diffused matte white opalescent lens
- Three CCT options: 3000K, 4000K and 5000K
- 2' x 2' - 39W and 3800 Lumens
- 2' x 4' - 59W and 6000 Lumens
- Replaces 2' x 2' or 2' x 4' ceiling panel for easy installation
- Aluminum finish 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
- 10-year limited warranty
- cULus – damp location listed; CEC and DLC listed

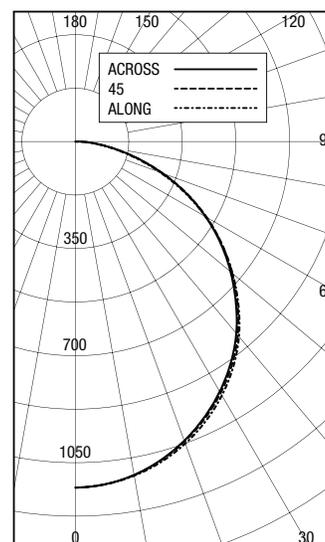
APPLICATION REFERENCE

2x2 Edge-Lit Panel v.s 2x4 Edge-Lit Panel

Open Space	Lumens	Wattage	LPW	w/sq.ft.	FC	Average No. of Fixtures
8 x 8	3237	36	90	0.54	49	30
	5179	59.5	87	0.89	78	30
8 x 10	3237	36	90	0.45	40	25
	5179	59.5	87	0.74	64	25
10 x 10	3237	36	90	0.36	32	20
	5179	59.5	87	0.6	52	20
10 x 12	3237	36	90	0.29	26	16
	5179	59.5	87	0.48	42	16

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

NPD-E224330 Test No. 444296



LED EDGE-LIT PANELS

Accessories



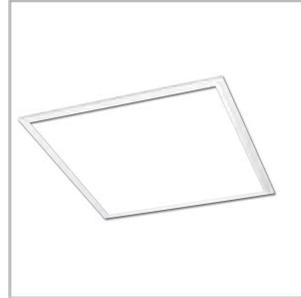
2X2 Surface Mounting Frame
NPD-22DFK/A

Clean sharp edges in a natural aluminum finish. The frame mounts over an existing J-Box and then the panel slides into place. The surface frame only extends 2.5" from the ceiling.



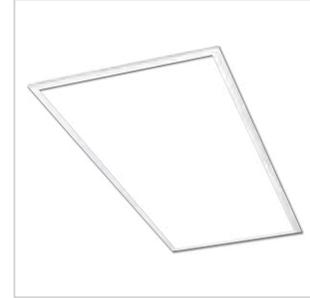
2X4 Surface Mounting Frame
NPD-24DFK/A

Clean sharp edges in a natural aluminum finish. The frame mounts over an existing J-Box and then the panel slides into place. The surface frame only extends 2.5" from the ceiling.



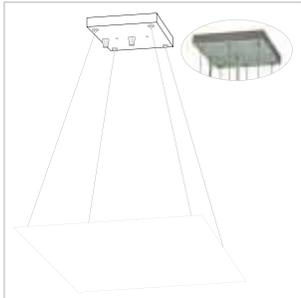
2X2 Recessed Mounting Kit
NPD-22RFK/W

The white finished flange kit consist of 4 pieces. The assembled frame installs into a hard ceiling. The LED panel lifts and shifts in the frame ending in a finished flush appearance.



2X4 Recessed Mounting Kit
NPD-24RFK/W

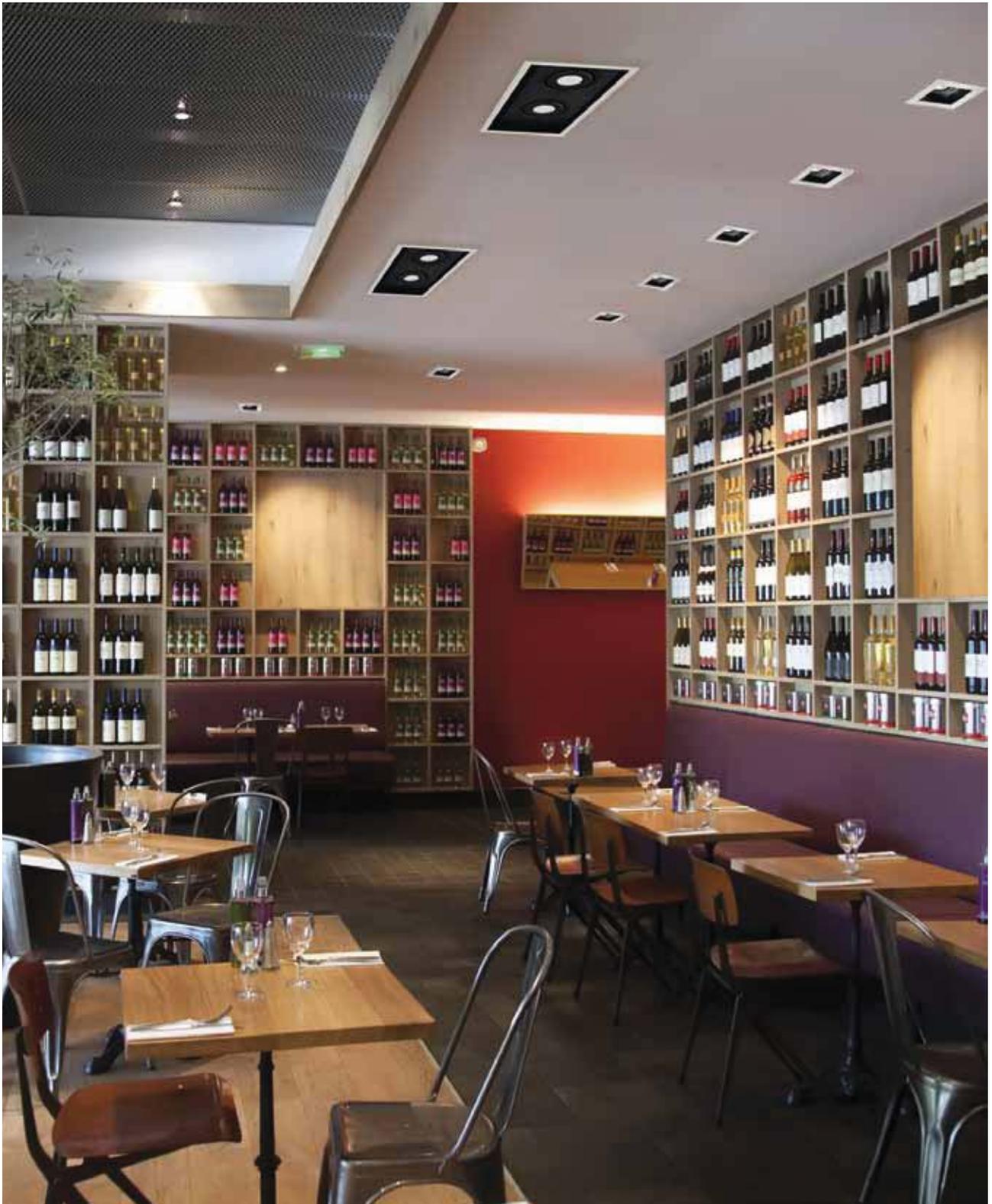
The white finished flange kit consist of 4 pieces. The assembled frame installs into a hard ceiling. The LED panel lifts and shifts in the frame ending in a finished flush appearance.



NPD Universal Pendant Mounting Kit
NPD-PK

Includes canopy, cords and cables allows the LED panel to be suspended as a fixture. The brushed aluminum finished canopy has 6 hanging points, 4 are used for 2x2 and 6 are used for 2x4. The grip lock fasteners allow field adjustment of cables from 12" to 96". The canopy also includes an 8' power cord that can be shortened in the field.





RECESSED

NSpec and Nora Lighting proudly introduce THE MOST COMPLETE LINE OF LED DOWNLIGHTS

NSPEC SAPPHIRE SERIES

Architectural and Commercial LED Downlights

A **high efficiency commercial series** available in 850 to 4000 lumen packages in **2700K, 3000K, 3500K, 4000K and Comfort Dim**. The LED package features Cree TrueWhite® patented technology which adjust LEDs to produce consistent light over the life of the product. Featuring deep cone reflectors in 4", 6" and 8" apertures in commercial, architectural and remodel frames.

NORA MARQUISE SERIES

Light Commercial and High-End Residential

Featuring the same Cree TrueWhite® LED and driver packages as the NSpec Sapphire Series, the Marquise Series feature LED packages for **light commercial and high-end residential IC and Non-IC** applications up to 2000 lumens in 2700K, 3000K, 3500K, 4000K and Comfort Dim options. Featuring deep reflectors in 7 finishes and in 4", 5" and 6" apertures. Marquise downlights are suitable in retrofit, new construction, and remodel applications

NORA DIAMOND SERIES

LED Retrofit, New Construction and Remodel

The Nora Diamond II features the same reliable Cree® LED package found in its predecessor the Diamond, but is now **upgraded for higher lumen output and efficiency, and offers 90+ CRI options**. The **economical** Diamond II features 700 lumens in 4", 5" and 6" for retrofit, new construction and remodel applications. Supported by a 7 year limited warranty the Diamond II is the **premier LED Retrofit in the industry** today.

	SAPPHIRE SERIES	MARQUISE SERIES	DIAMOND SERIES
Style	Architectural and Commercial	High-End Residential, Light Commercial	Retrofit, New Construction and Remodel
Lumen	850 to 4000	850 to 2000	630 to 1000
CRI	90+	90+	80+ and 90+
Kelvin	2700, 3000, 3500, 4000	2700, 3000, 3500, 4000	2700, 3000, 4000
Comfort Dim Available 2700K - 1800K	Yes (850 to 3000 lumen)	Yes (850 to 2000 lumen)	No
Cree LED Modules	Yes	Yes	Yes
Cree TrueWhite® Technology	Yes	Yes	Yes (1000 Lumen unit)
Ceramic Platform	Yes	Yes	Yes
Lumen per Watt	100	100	60 - 70
Apertures	4", 6" & 8"	4", 5", & 6"	4", 5" & 6"
Reflector Style	Dedicated Deep Cone	Diamond II Deep Cone	Diamond II and Diamond Deep Cone
Reflector Finishes	Black, Diffused, Haze, White	BW, BZ, CO,DW, HZW, NN, WW	BW, BZ, CO,DW, HZW, NN, WW
IC Rated	No	Yes	Yes
Retrofit Available	Call Factory	Yes (850 Lumen)	Yes
New Construction	Yes	Yes	Yes
Remodel	Yes	Yes	Yes
cULus Wet Listed	Yes	Yes	Yes Diamond II (must specify on 1000 L)
Assembled in USA	Yes	Yes	Yes
Limited Warranty	10 Year	5 year	5 to 7 Year
Cost	\$\$\$	\$\$	\$

LEDs for Any Application

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

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

NSPEC SAPPHIRE AND NORA MARQUISE LIGHTING EQUIVALENTS

15' - 40' CEILINGS

4000 Lumen 38W LED
250W Halogen
57W CFL, 2 x 32W CFL
70W HID

15' - 30' CEILINGS

3000 Lumen 31W LED
42W CFL, 2 x 26W CFL
50W HID

10' - 20' CEILINGS

2000 Lumen 21W LED
150-250W Incandescent
32W CFL
39W HID

8' - 12' CEILINGS

1250 Lumen 13W LED
850 Lumen 9W LED
75-150W Incandescent
18-26W CFL
20W HID

LIGHTING CONSISTENCY FOR ALL APPLICATIONS.

Nora and NSpec 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 provide consistent color and quality of light throughout a space, while Nora trims maintain identical cutoff points and finishes.

Trim Finishes LED Recessed

See individual trim listings for available finishes. All finishes are not available on all trims.

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.

TRIM 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.

COMMERCIAL AND STANDARD MARQUISE & DIAMOND FINISHES



Specular 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.



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.



Specular Clear, White Flange (CW)

Specular clear is a highly polished chrome like finish. Provides excellent performance and efficiency with low aperture brightness.



Diffused Clear, White Flange (DW)

Similar to a specular clear (chrome) finish but slightly diffused to soften brightness when on or off. 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.

REFLECTORS AND TRIM GLASS OPTIONS (SPECIFY REFLECTOR AND GLASS SEPERATELY)



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



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



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



NTG-CF
Tempered Clear Glass with
Frosted Center



NTG-FC
Tempered Frosted Glass, 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

The NSpec Sapphire Series and Nora Marquis Series offer both white light dimming and comfort dim. Both are compatible with TRIAC, 0-10V, and other widely used lighting control system.

WHITE LIGHT DIMMING

Consistent color across dimming range keeps colors natural and consistent

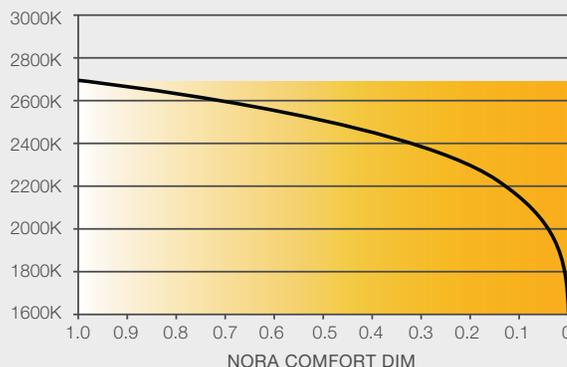
Unlike incandescent dimming, most LED dimming does not change in color as power decreases but remains close to the original kelvin temperature of the source. This is called White Light Dimming. White Light dimming is also found with fluorescent dimming, and has become accepted in most commercial, architectural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



COMFORT DIM

Warm, rich light dimming creates an intimate atmosphere

An innovation in energy efficient dimming, Comfort Dim presented by Nora and Cree™, warms the light as power is reduced. 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 on the NSpec Sapphire Series, Nora Marquise and Marquise Retrofit Series downlights making them perfect solutions for restaurants, cineplex, home theaters, multi-purpose event venues and other applications where the temperature and comfort of the light set the mood.





LED Sapphire Series

ARCHITECTURAL LED DOWNLIGHT



The Sapphire Series of LED architectural downlights features one of the highest efficacy ratings in the industry. NSpec designed reflectors combined with the Cree® integrated TrueWhite™ LED packages produce high CRI efficient light for commercial applications. The deep reflectors provide optimal visual comfort.

White Light Dimming features lumen packages from 850 to 4000 with smooth consistent dimming white light shift down to 5%.

Comfort Dimming features lumen packages from 850 to 3000 lumen 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.



SAPPHIRE SERIES Architectural and Commercial Downlights

4" Frame-Ins 850-2000 Lumen LED



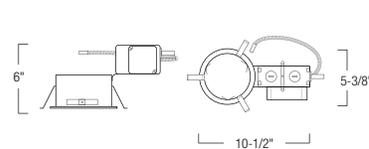
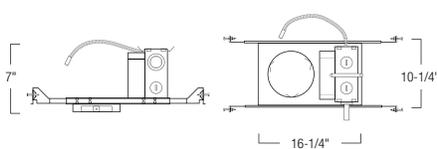
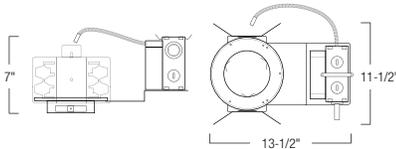
Architectural



Commercial



Remodel



4" SAPPHIRE HIGH LUMEN FRAME-IN

FRAME TYPE	SERIES	LUMEN	DRIVER	VOLTAGE	EMERGENCY
NAH Architectural	430 New Const	85 850	(Blank) Standard	LE1 120V	EM Emerg
NCH Commercial	434 Remodel	12 1250	C Comfort Dim	LE2 277V	Pack w/ Test Switch
NCHR Remodel		20 2000	LUXX**		Switch

Example: **NCH-43085LE1EM** - 4" Sapphire Series Commercial LED New Construction Frame-in, 850 Lumen, 120V, with Emergency Pack and Remote Test Switch

**LUXX: Consult factory for Lutron® Driver Options

Architectural grade LED High Lumen Downlights featuring deep cone reflectors. Dimmable with Cree® LEDs and Cree® LED drivers for reliable performance. Dedicated EM housing back-ups available for new construction and remodel applications.

ELECTRICAL:

Voltage: 120V or 277V AC

Current: 130mA

Lumens / Power Consumption:

850lm = 8.76W,

1250lm = 12.88W,

2000lm = 20.62W

Color Rendering Index: 90+ CRI TrueWhite™

Color Temperature: 2700K, 3000K, 3500K, 4000K and Comfort Dim (2700K-1800K)

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to elevated 0.064 steel junction box and driver tray.

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

INSTALLATION:

Architectural: Universal brackets adjust vertically and accept C-Channel or flat bar hangers (ordered separately), or simple rigid 1/2" steel conduit for tie-down to ceiling grids.

Commercial: 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 installations.

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

DIMMING: 850 and 1250 Triac ELV; 2000, 0-10V

DIMMING OPTIONS: White light dimming (standard); Comfort Dim (2700K-1800K)

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger, and test plate with indicator light.

LISTING:

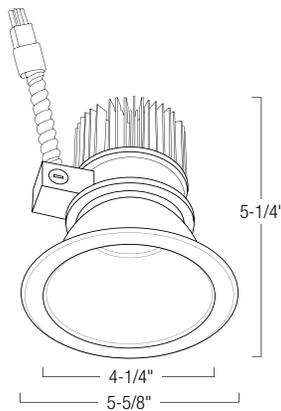
cULus Listed for Wet Location

WARRANTY:

10 Year Limited Warranty



Architectural and Commercial Downlights **SAPPHIRE SERIES**
850-2000 Lumen LED 4" Reflectors



4" SAPPHIRE HIGH LUMEN REFLECTORS

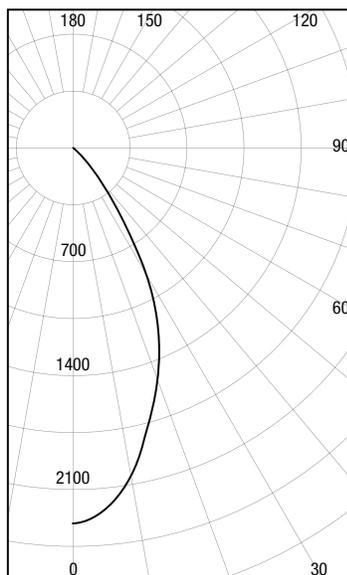
REFLECTOR TYPE	SOURCE	LUMEN	COLOR TEMP	REFLECTOR FINISH	FLANGE
NC-431 Open Reflector	L LED	85 850	27 2700K	B Black D Clear Diffused H Haze W White	SF Self Flange WSF White Self Flange
NC-436 Wall Wash		12 1250	30 3000K		
NC-438 Decorative Glass*		20 2000	35 3500K 40 4000K CD Comfort Dim		

438 DECORATIVE GLASS OPTIONS (Glass Ordered 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.

Example: **NC-431L2040DWSF** - 4" Sapphire Series, Open Reflector, LED, 2000 Lumen, 4000K, Clear Diffused, White Self-Flange



NCH-43020LE1 / NC-431L2030DSF Test No. 36855

APPLICATION REFERENCE Sapphire Cat.# NC-431L2040DWF, 2000 LMS, 4000K, Diffused Reflector Finish

CANDLEPOWER SUMMARY		
ANGLE	MEAN CP	LUMENS
0	2311	
5	2243	210
10	2044	
15	1776	493
20	1503	
25	1243	558
30	904	
35	528	334
40	253	
45	109	91
50	35	
55	7	10
60	1	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD EFFECTIVE FLOOR CAVITY REFLECTANCE = .20				
CC	80			
	WALL 70	50	30	10
RCR				
0	1.19	1.19	1.19	1.19
1	1.15	1.12	1.10	1.08
2	1.10	1.06	1.03	1.00
3	1.06	1.01	0.97	0.94
4	1.02	0.96	0.92	0.88
5	0.98	0.91	0.86	0.83
6	0.94	0.87	0.82	0.79
7	0.90	0.83	0.78	0.75
8	0.87	0.79	0.74	0.71
9	0.83	0.75	0.70	0.66
10	0.80	0.71	0.66	0.63

Open Space	Lumens	Wattage	LPW	w/sq.ft.	Average		
					FC	Mtg. Height	No. of Fixtures
6 x 6	1707	24	0.71	0.6	38	15	15
	1707	24	0.71	0.6	29	25	15
	1707	24	0.71	0.6	21	35	15
6 x 8	1707	24	0.71	0.48	30	15	12
	1707	24	0.71	0.48	23	25	12
	1707	24	0.71	0.48	17	35	12
8 x 8	1707	24	0.71	0.48	28	15	12
	1707	24	0.71	0.48	21	25	12
	1707	24	0.71	0.48	16	35	12
8 x 10	1707	24	0.71	0.36	21	15	9
	1707	24	0.71	0.36	16	25	9
	1707	24	0.71	0.36	12	35	9

SAPPHIRE SERIES Architectural and Commercial Downlights

6" Frame-Ins 850-4000 Lumen LED



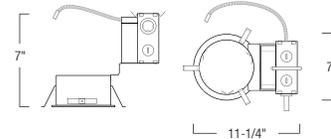
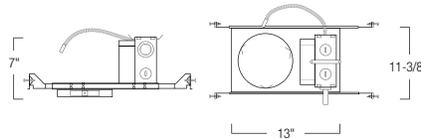
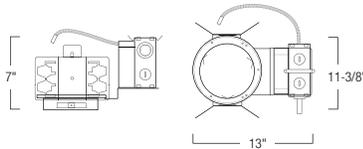
Architectural



Commercial



Remodel



6" SAPPHIRE HIGH LUMEN FRAME-IN

FRAME TYPE	SERIES	LUMEN	DRIVER	VOLTAGE	EMERGENCY
NAH Architectural	630 New Const	85 850	(Blank) Standard	LE1 120V	EM Emerg
NCH Commercial	634 Remodel	12 1250	C Comfort Dim	LE2 277V	Pack w/ Test Switch
NCHR Remodel		20 2000	LUXX**		
		30 3000			
		40 4000			

Example: **NAH-63020LE1EM** - 6" Sapphire Series Architectural LED New Construction Frame-in, 2000 Lumen, 120V, with Emergency Pack and Remote Test Switch

**LUXX: Consult factory for Lutron® Driver Options

Architectural grade LED High Lumen Downlights featuring deep cone reflectors. Dimmable with Cree® LEDs and Cree® LED drivers for reliable performance. The Sapphire series is specifiable in 120V or 277V for commercial jobs of all sizes and is cULus wet listed. Dedicated EM housing back-ups available for new construction and remodel applications.

ELECTRICAL:

Voltage: 120V or 277V AC

Current: 130mA

Lumens / Power Consumption:

850lm = 8.76W, 1250lm = 12.88W,
2000lm = 20.62W, 3000lm = 30.93W,
4000lm = 41.10W

Color Rendering Index: 90+ CRI TrueWhite™

Color Temperature: 2700K, 3000K, 3500K, 4000K and Comfort Dim (2700K-1800K)

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to elevated 0.064 steel junction box and driver tray.

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

INSTALLATION:

Architectural: Universal brackets adjust vertically and accept C-Channel or flat bar hangers (ordered separately), or simple rigid 1/2" steel conduit for tie-down to ceiling grids.

Commercial: 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 installations.

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

DIMMING: 850 and 1250 Triac ELV; 2000 to 4000, 0-10V

DIMMING OPTIONS: White light dimming (standard); Comfort Dim (2700K-1800K) 850-3000 Lumen

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger, and test plate with indicator light.

LISTING:
cULus Listed for Wet Location

WARRANTY:
10 Year Limited Warranty



Architectural and Commercial Downlights **SAPPHIRE SERIES**
850-4000 Lumen LED **6" Reflectors**



6" SAPPHIRE HIGH LUMEN REFLECTORS

REFLECTOR TYPE	SOURCE	LUMEN	COLOR TEMP	REFLECTOR FINISH	FLANGE
NC-631 Open Reflector	L LED	85 850	27 2700K	B Black	SF Self Flange
NC-636 Wall Wash		12 1250	30 3000K	D Clear Diffused	WSF White Self Flange
NC-638 Decorative Glass*		20 2000	35 3500K	H Haze	
		30 3000	40 4000K	W White	
		40 4000	CD [†] Comfort Dim		

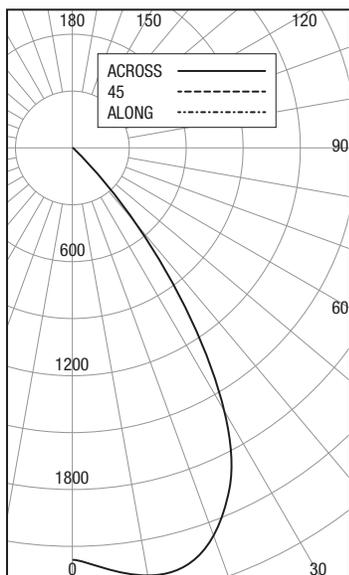
638 DECORATIVE GLASS OPTIONS (Glass Ordered Separately)

- 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 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.

[†] Comfort dim available in 850, 1250, 2000, & 3000 Lm. Note: 2000 and 3000 Lm require 4000 Lm Drivers.

Example: **NC-631L2040DWSF** - 6" Sapphire Series Open Reflector LED, 2000 Lumen, 4000K, Clear Diffused Reflector, White Self-Flang



NCH-63130LE1 / NC-631L3030DWF Test No. 284636

APPLICATION REFERENCE Sapphire Cat.# NC-631L3030DWF, 3000 LMS, 3000K, Diffused Reflector Finish

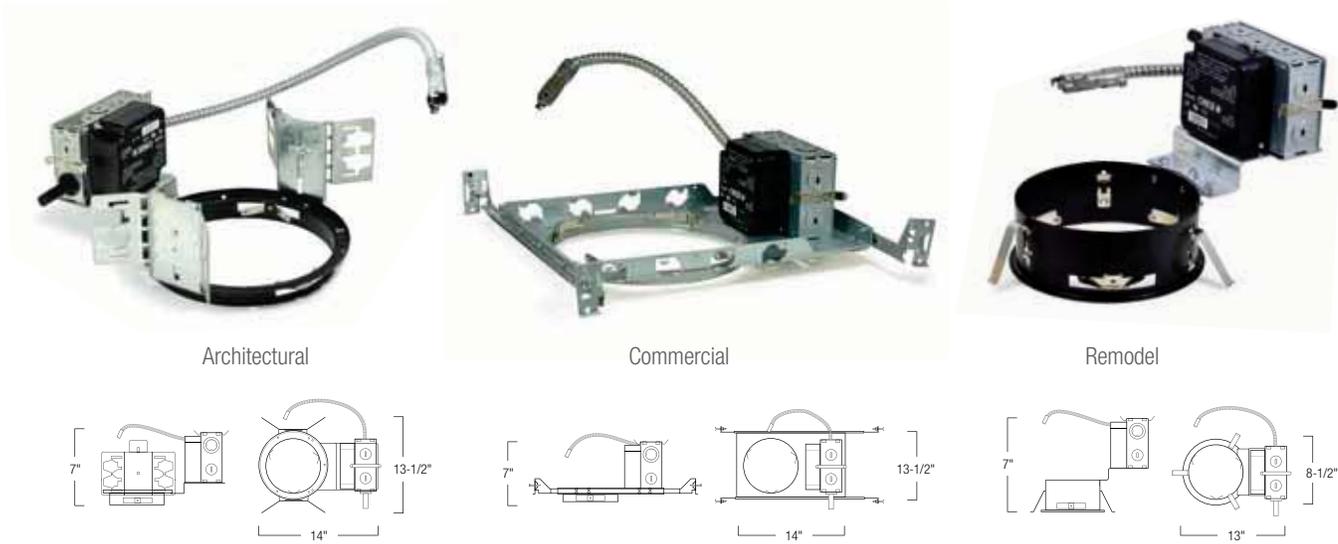
CANDLEPOWER SUMMARY	ANGLE	MEAN CP	LUMENS
	0	2173	
	5	2225	218
	10	2298	
	15	2284	639
	20	2173	
	25	1965	889
	30	1639	
	35	1084	663
	40	523	
	45	199	173
	50	50	
	55	16	177
	60	7	
	65	4	4
	70	1	
	75	0	0
	80	0	
	85	0	0
	90	0	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD EFFECTIVE FLOOR CAVITY REFLECTANCE = .20				
CC		80		
WALL	70	50	30	10
RCR				
0	1.19	1.19	1.19	1.19
1	1.14	1.12	1.09	1.07
2	1.09	1.05	1.02	0.99
3	1.05	0.99	0.95	0.92
4	1.00	0.94	0.89	0.86
5	0.96	0.89	0.83	0.80
6	0.92	0.84	0.79	0.75
7	0.87	0.79	0.74	0.70
8	0.83	0.75	0.69	0.66
9	0.79	0.70	0.65	0.61
10	0.75	0.66	0.61	0.57

Open Space	Lumens	Wattage	LPW	w/sq.ft.	Average FC	Mtg. Height	No. of Fixtures
6 x 6	2615	36	73	0.9	57	15	15
	2615	36	73	0.9	44	25	15
	2615	36	73	0.9	29	35	15
6 x 8	2615	36	73	0.72	44	15	12
	2615	36	73	0.72	32	25	12
	2615	36	73	0.72	23	35	12
8 x 8	2615	36	73	0.72	41	15	12
	2615	36	73	0.72	31	25	12
	2615	36	73	0.72	22	35	12
8 x 10	2615	36	73	0.54	32	15	9
	2615	36	73	0.54	24	25	9
	2615	36	73	0.54	17	35	9

SAPPHIRE SERIES Architectural and Commercial Downlights

8" Frame-Ins 850-4000 Lumen LED



8" SAPPHIRE HIGH LUMEN FRAME-IN

FRAME TYPE	SERIES	LUMEN	DRIVER	VOLTAGE	EMERGENCY
NAH Architectural	830 New Const	85 850	(Blank) Standard	LE1 120V	EM Emerg
NCH Commercial	834 Remodel	12 1250	C Comfort Dim	LE2 277V	Pack w/ Test
NCHR Remodel		20 2000	LUXX**		Switch
		30 3000			
		40 4000			

Example: **NCHR-83420CLE2EM** - 8" Sapphire Series Architectural LED Remodel Frame-in, Comfort Dim, 2000 Lumen, 277V, with Emergency Pack and Remote Test Switch

**LUXX: Consult factory for Lutron® Driver Options

Architectural grade LED High Lumen Downlights featuring deep cone reflectors. Dimmable with Cree® LEDs and Cree® LED drivers for reliable performance. The Sapphire series is specifiable in 120V or 277V for commercial jobs of all sizes and is and cULus listed. Dedicated EM housing back-ups available for new construction and remodel applications.

ELECTRICAL:

Voltage: 120V or 277V AC

Current: 130mA

Lumens / Power Consumption:

850lm / 8.76W, 1250lm / 12.88W,

2000lm / 20.62W, 3000lm / 30.93W,

4000lm / 41.10W

Color Rendering Index: 90+ CRI TrueWhite™

Color Temperature: 2700K, 3000K, 3500K, 4000K and Comfort Dim (2700K-1800K)

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to elevated 0.064 steel junction box and driver tray.

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

INSTALLATION:

Architectural: Universal brackets adjust vertically and accept C-Channel or flat bar hangers (ordered separately), or simple rigid 1/2" steel conduit for tie-down to ceiling grids.

Commercial: 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 installations.

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

DIMMING: 850 and 1250 Triac ELV; 2000 to 4000, 0-10V

DIMMING OPTIONS: White light dimming (standard); Comfort Dim (2700K-1800K) 850-3000 lumen

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger, and test plate with indicator light.

LISTING: cULus Listed for Wet Location

WARRANTY: 10 Year Limited Warranty



Architectural and Commercial Downlights **SAPPHIRE SERIES**
850-4000 Lumen LED 8" Reflectors



8" SAPPHIRE HIGH LUMEN REFLECTORS

REFLECTOR TYPE	SOURCE	LUMEN	COLOR TEMP	REFLECTOR FINISH	FLANGE
NC-831 Open Reflector	L LED	85 850	27 2700K	B Black	SF Self Flange
NC-836 Wall Wash		12 1250	30 3000K	D Clear Diffused	WSF White Self Flange
NC-838 Decorative Glass*		20 2000	35 3500K	H Haze	
		30 3000	40 4000K	W White	
		40 4000	CD† Comfort Dim		

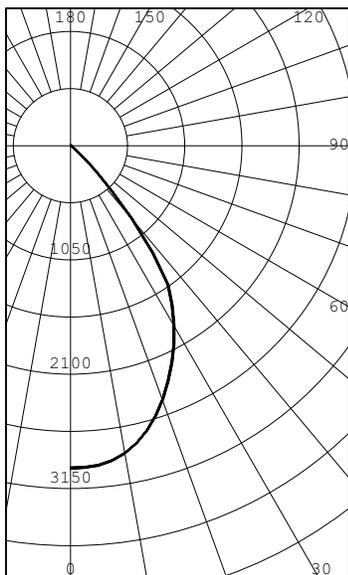
638 DECORATIVE GLASS OPTIONS (Glass Ordered Separately)

- 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 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.

† Comfort dim available in 850, 1250, 2000, & 3000 Lm. Note: 2000 and 3000 Lm require 4000 Lm Drivers.

Example: **NC-836L20CDWSF** - 8" Saphire Series Wall Wash LED, 2000 Lumen, Comfort Dim, White Reflector, White Self-Flange



NCH-83040LE1 / NC-831L4027DWF Test No. 295577

APPLICATION REFERENCE Saphire Cat.# NC-831L4027DWF, 4000 LMS, 2700K, Diffused Reflector Finish

CANDLEPOWER SUMMARY	MEAN CP	LUMENS
0	2963	
5	2949	283
10	2872	
15	2708	756
20	2477	
25	2203	1007
30	1901	
35	1562	916
40	875	
45	329	290
50	90	
55	32	290
60	17	
65	9	33
70	4	
75	0	10
80	0	
85	0	0
90	0	

COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD EFFECTIVE FLOOR CAVITY REFLECTANCE = .20				
CC 80				
WALL	70	50	30	10
RCR				
0	1.19	1.19	1.19	1.19
1	1.14	1.11	1.09	1.07
2	1.09	1.05	1.01	0.98
3	1.04	0.98	0.94	0.90
4	1.00	0.93	0.88	0.84
5	0.95	0.87	0.82	0.78
6	0.90	0.82	0.77	0.73
7	0.86	0.77	0.72	0.68
8	0.82	0.72	0.67	0.63
9	0.77	0.68	0.62	0.58
10	0.73	0.64	0.58	0.54

Open Space	Lumens	Wattage	LPW	w/sq.ft.	Average FC	Mtg. Height	No. of Fixtures
6 x 6	3310	43	77	1.07	71	15	15
	3310	43	77	1.07	51	25	15
	3310	43	77	1.07	36	35	15
6 x 8	3310	43	77	0.86	56	15	12
	3310	43	77	0.86	40	25	12
	3310	43	77	0.86	28	35	12
8 x 8	3310	43	77	0.86	52	15	12
	3310	43	77	0.86	38	25	12
	3310	43	77	0.86	27	35	12
8 x 10	3310	43	77	0.65	40	15	9
	3310	43	77	0.65	29	25	9
	3310	43	77	0.65	21	35	9



LED Marquise Series

IC-RATED, HIGH PERFORMANCE LED DOWNLIGHT



Nora introduces the **Marquise Series of High Performance LED downlights** for light commercial and high-end residential applications. Using the same high- efficiency Cree® TrueWhite™ LED Integrated package as found in Nora's NSpec architectural Sapphire Series, the Marquise is available in 4", 5", 6" and 6" adjustable apertures for use in IC and non-IC applications.

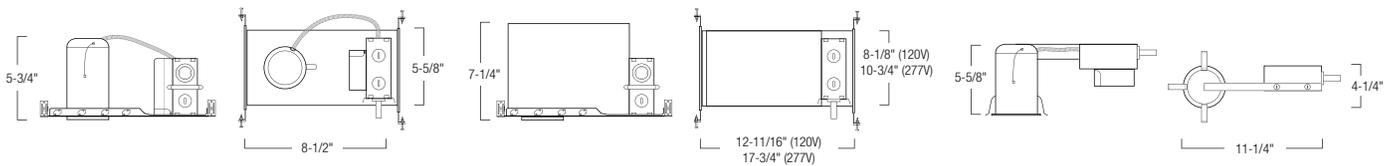
White Light Dimming features lumen packages from 850 to 2000 lumens with smooth and consistent dimming white light shift down to 5%.

Comfort Dimming 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 SERIES IC and Non-IC · Light Commercial and Residential

4" Housings 850-1250 Lumen LED



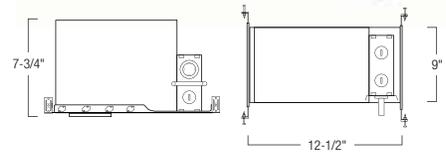
4" MARQUISE SERIES HOUSING

HOUSING TYPE		LUMENS	DRIVER	VOLTAGE	EMERGENCY
NHMIC-4	4" IC New Construction Housing	85 850	(Blank) Standard C Comfort Dim	LE1 120V LE2 277V	EM Emerg Pack w/ Test Switch
NHRMIC-4	4" IC Remodel Housing				
NFBIC-4L85AT	4" IC Dedicated Fire Box - 850 Lumen	12 1250			
NHM-4	4" New Construction Housing				
NHRM-4	4" Remodel Housing				
NHMICD-4	4" IC Double Wall New Const.				
NFBIC-4L12AT	4" IC Dedicated Fire Box - 1250 Lumen				

Example: **NHM-412LE1** - 4" Marquise Series LED New Construction Housing, 1250 Lumen, 120V



Fire Rated



Commercial grade LED High Lumen Downlights featuring deep cone reflectors. Dimmable Cree® LEDs and Cree® LED drivers for reliable performance. The Marquise Series is specifiable in 120V or 277V for light commercial, high-end residential applications and offers dedicated EM housing back-ups for new construction and remodel applications.

ELECTRICAL:

Voltage: 120V or 277V AC

Current: 130mA

Lumens / Power Consumption:

850lm / 8.76W,

1250lm / 12.88W,

2000lm / 20.62W

Color Rendering Index: 90+ CRI TrueWhite™

Color Temperature: 2700K, 3000K, 3500K, 4000K and Comfort Dim (2700K-1800K)

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to elevated 0.064 steel junction box and driver tray.

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 and do not have any minimum clearance requirements

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.

DIMMING: 850 and 1250 Triac ELV

DIMMING OPTIONS: White light dimming (standard); Comfort Dim (2700K-1800K)

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger, and test plate with indicator light.

EMERGENCY OPTION: Emergency back-up operates lamp for a minimum of 90 minutes. Unit includes battery, charger, and test plate with indicator light or integral mounted test switch in the reflector.

LISTING:

cULus Listed for Wet Location

WARRANTY:

5 Year Limited Warranty



IC and Non-IC · Light Commercial and Residential **MARQUISE SERIES**
850-1250 Lumen LED **4" Reflectors**



4" MARQUISE SERIES REFLECTORS

REFLECTOR TYPE	SOURCE	LUMEN	COLOR TEMP	FINISH
NRM-411 Open Reflector	L LED	85 850	27 2700K	See finishes at right
NRM-412 Baffle			30 3000K	
NRM-413 Square Round Reflector			35 3500K	
NRM-418 Decorative Glass*			40 4000K	
			CD Comfort Dim	

Example: **NRM-411L1230BW** - 4" Marquise Series, Open Reflector, LED, 1250 Lumen, 3000K, Black Specular Reflector, White Self-Flange

4" MARQUISE SERIES FINISHES

	411	412	413	418
BW	•	•		•
BZ	•	•	•	•
CO	•	•		•
CW	•		•	•
DW	•			•
HZW	•		•	•
NN	•	•	•	•
WW	•	•	•	•

- BW** Specular Black with White Flange
- BZ** Bronze with Bronze Flange
- CO** Copper with Copper Flange
- CW** Specular Clear with White Flange
- DW** Diffused Clear with White Flange
- HZW** Haze with White Flange
- NN** Natural Metal and Flange
- WW** White with White Flange

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

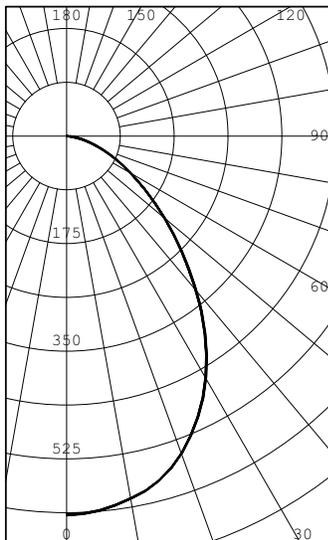
NTG-4FC 4" Tempered Frosted Glass with Clear Center

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

NMH-412LE1 / NRM-411L8530DW Test No. 668100

INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP
0	616
5	612
10	599
15	580
20	548
25	505
30	452
35	392
40	327
45	264
50	208
55	160
60	120
65	87
70	60
75	38
80	20
85	6
90	0

ZONAL LUMENS & PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	367	49.95
0-40	538	73.27
0-60	713	97.10
0-90	735	100.00
40-90	196	26.73
60-90	21	2.90
90-180	0	0.00
0-180	735	100.00

LUMINACE SUMMARY CD. / SQ.M.

ANGLE	MEAN CD/SQ M
45	35490
55	16885
65	6890
75	835
85	0

MARQUISE SERIES IC and Non-IC · Light Commercial and Residential

5" Housings 850-2000 Lumen LED



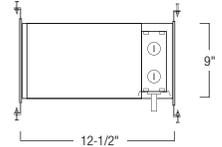
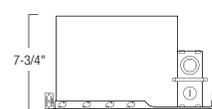
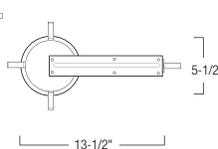
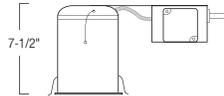
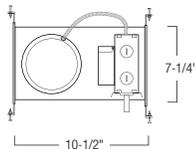
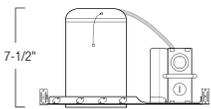
New Construction



Remodel



Fire Rated



5" MARQUISE SERIES HOUSING

HOUSING TYPE		LUMENS	DRIVER	VOLTAGE	EMERGENCY
NHMIC-5	5" IC New Construction Housing	85 850	(Blank) Standard C Comfort Dim	LE1 120V LE2 277V	EM Emerg Pack w/ Test Switch
NHRMIC-5	5" IC Remodel Housing				
NFBIC-5L85AT	5" IC Dedicated Fire Box - 850 Lumen				
NHM-5	5" New Construction Housing	12 1250			
NHRM-5	5" Remodel Housing	20 2000			

Example: **NHM-520LE1** - 5" Marquise Series LED New Construction Housing, 2000 Lumen, 120V

LIGHTING TIP

Marquise downlights use the same deep reflector as the Diamond II series. Combine them for a uniform look that meets budget limitations. Use Marquise in higher ceiling areas and the Comfort Dim option in critical areas while using the Diamond Series in standard ceiling applications.

Commercial grade LED High Lumen Downlights featuring deep cone reflectors. Dimmable Cree® LEDs and Cree® LED drivers for reliable performance. The Marquise Series is specifiable in 120V or 277V for light commercial, high-end residential applications and offers dedicated EM housing back-ups for new construction and remodel applications.

ELECTRICAL:

Voltage: 120V or 277V AC

Current: 130mA

Lumens / Power Consumption:

850lm / 8.76W,

1250lm / 12.88W,

2000lm / 20.62W

Color Rendering Index: 90+ CRI TrueWhite™

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

and Comfort Dim (2700K-1800K)

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to elevated 0.064 steel junction box and driver tray.

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

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.

DIMMING: 850 and 1250 Triac ELV; 2000, 0-10V

DIMMING OPTIONS: White light dimming (standard); Comfort Dim (2700K-1800K)

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger, and test plate with indicator light.

LISTING:

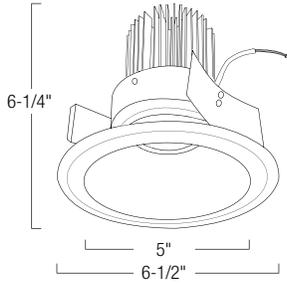
cULus Listed for Wet Location

Warranty:

5 Year Limited Warranty



IC and Non-IC · Light Commercial and Residential **MARQUISE SERIES**
850-2000 Lumen LED **5" Reflectors**



NRM-511



NRM-512



NRM-518
with NTG-5CF

5" MARQUISE SERIES REFLECTORS

REFLECTOR TYPE	SOURCE	LUMEN	COLOR TEMP	FINISH
NRM-511 Open Reflector	L LED	85 850	27 2700K	See finishes at right
NRM-512 Baffle		12 1250	30 3000K	
NRM-518 Decorative Glass*		20 2000	35 3500K	
			40 4000K	
			CD Comfort Dim	

Example: **NRM-511L1230BW** - 5" Marquise Series, Open Reflector, LED, 1250 Lumen, 3000K, Black Specular Reflector, White Self-Flange

5" MARQUISE SERIES FINISHES

	511	512	518
BW	•	•	•
BZ	•	•	•
CO	•	•	•
DW	•		•
HZW	•		•
NN	•	•	•
WW	•	•	•

- BW** Specular Black with White Flange
- BZ** Bronze with Bronze Flange
- CO** Copper with Copper Flange
- DW** Diffused Clear with White Flange
- HZW** Haze with White Flange
- NN** Natural Metal and Flange
- WW** White with White Flange

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

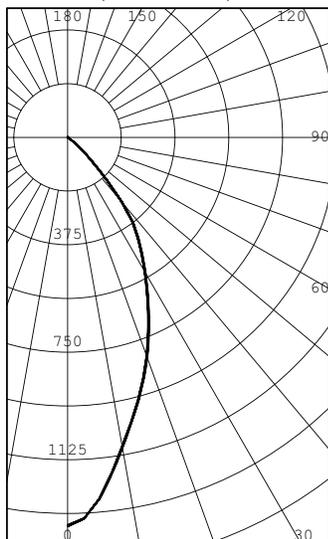
NTG-5FC 5" Tempered Frosted Glass with Clear Center

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*

NMH-512LE1 / NRM-511L1230DW Test No. 663849

INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP
0	1356
5	1267
10	1097
15	951
20	809
25	667
30	539
35	428
40	292
45	134
50	54
55	18
60	1
65	0
70	0
75	0
80	0
85	0
90	0

ZONAL LUMENS & PERCENTAGES

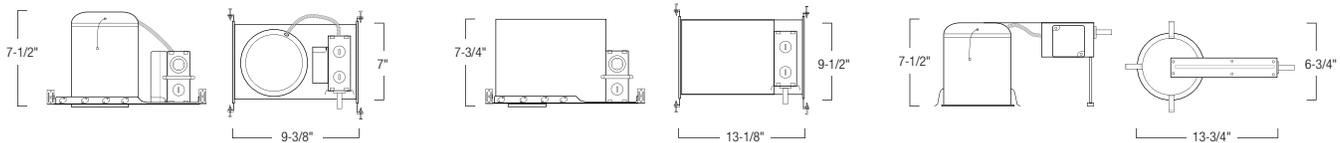
ZONE	LUMENS	% LUMINAIRE
0-30	686	63.49
0-40	949	87.81
0-60	1081	99.99
0-90	1081	100.00
40-90	132	12.19
60-90	0	0.01
90-180	0	0.00
0-180	1080	100.00

LUMINACE SUMMARY CD. / SQ. M.

ANGLE	MEAN CD/SQ M
45	11335
55	1924
65	2
75	0
85	0

MARQUISE SERIES IC and Non-IC · Light Commercial and Residential

6" Housings 850-2000 Lumen LED



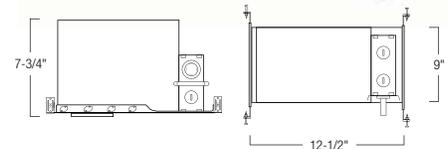
6" MARQUISE SERIES HOUSING

HOUSING TYPE		LUMENS	DRIVER	VOLTAGE	EMERGENCY
NHMIC-6	6" IC New Construction Housing	85 850	(Blank) Standard C Comfort Dim	LE1 120V LE2 277V	EM Emerg Pack w/ Test Switch
NHRMIC-6	6" IC Remodel Housing				
NFBIC-6L85AT	6" IC Dedicated Fire Box - 850 Lumen				
NHM-6	6" New Construction Housing	12 1250			
NHRM-6	6" Remodel Housing	20 2000			
NHMICD-6	6" IC Double Wall Housing				
NFBIC-6L12AT	6" IC Dedicated Fire Box - 1250 Lumen				

Example: **NHM-620LE1** - 6" Marquise Series LED New Construction Housing, 2000 Lumen, 120V



Fire Rated



Commercial grade LED High Lumen Downlights featuring deep cone reflectors. Dimmable Cree® LEDs and Cree® LED drivers for reliable performance. The Marquise Series is specifiable in 120V or 277V for light commercial, high-end residential applications and offers dedicated EM housing back-ups for new construction and remodel applications.

ELECTRICAL:

Voltage: 120V or 277V AC

Current: 130mA

Lumens / Power Consumption:

850lm / 8.76W,

1250lm / 12.88W,

2000lm / 20.62W

Color Rendering Index: 90+ CRI TrueWhite™

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

and Comfort Dim (2700K-1800K)

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

CONSTRUCTION: Architectural quality 0.050 galvanized steel ring riveted to elevated 0.064 steel junction box and driver tray.

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

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.

DIMMING: 850 and 1250 Triac ELV; 2000, 0-10V

DIMMING OPTIONS: White light dimming (standard); Comfort Dim (2700K-1800K)

EMERGENCY OPTION: Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger, and test plate with indicator light.

Listing:

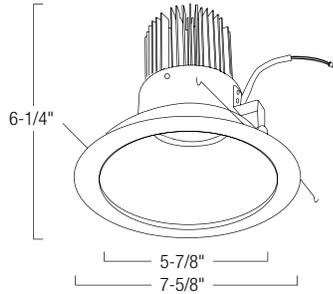
cULus Listed for Wet Location

Warranty:

5 Year Limited Warranty



IC and Non-IC · Light Commercial and Residential **MARQUISE SERIES**
850-2000 Lumen LED 6" Reflectors



NRM-611



NRM-612



NRM-618
with NTG-6CF

6" MARQUISE SERIES REFLECTORS

REFLECTOR TYPE	SOURCE	LUMEN	COLOR TEMP	FINISH
NRM-611 Open Reflector	L LED	85 850	27 2700K	See finishes at right
NRM-612 Baffle		12 1250	30 3000K	
NRM-618 Decorative Glass*		20 2000	35 3500K	
			40 4000K	
			CD Comfort Dim	

Example: **NRM-611L1230BW** - 6" Marquise Series, Open Reflector, LED, 1250 Lumen, 3000K, Black Specular Reflector, White Self-Flange

6" MARQUISE SERIES FINISHES

	611	612	618
BW	•	•	•
BZ	•	•	•
CO	•	•	•
DW	•		•
HZW	•		•
NN	•	•	•
WW	•	•	•

- BW** Specular Black with White Flange
- BZ** Bronze with Bronze Flange
- CO** Copper with Copper Flange
- DW** Diffused Clear with White Flange
- HZW** Haze with White Flange
- NN** Natural Metal and Flange
- WW** White with White Flange

618 DECORATIVE GLASS OPTIONS

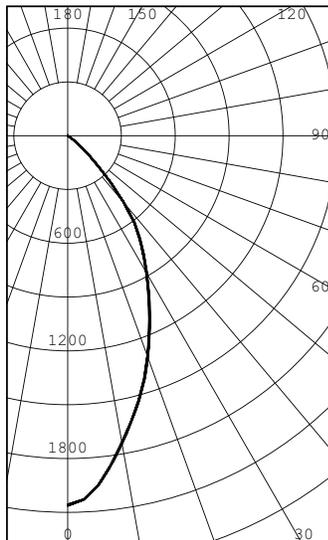
Glass sold separately

- 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 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

NMH-620LE1 / NRM-611L2030DW Test No. 668101

INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP
0	2059
5	1957
10	1740
15	1529
20	1305
25	1078
30	877
35	700
40	485
45	244
50	105
55	32
60	2
65	1
70	0
75	0
80	0
85	0
90	0

ZONAL LUMENS & PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	1100	62.30
0-40	1530	86.66
0-60	1764	99.93
0-90	1766	100.00
40-90	236	13.34
60-90	1	0.07
90-180	0	0.00
0-180	1766	100.00

LUMINACE SUMMARY CD. / SQ.M.

ANGLE	MEAN CD/SQ M
45	20639
55	3325
65	142
75	7
85	0

MARQUISE SERIES IC and Non-IC · Light Commercial and Residential

6" Adjustables 850-2000 Lumen LED



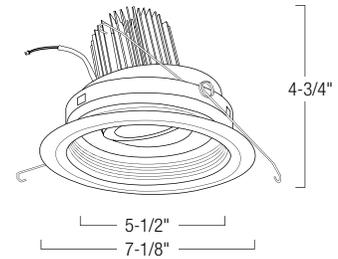
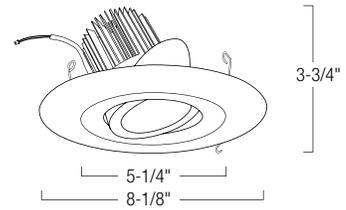
NRM-614



NRM-617



NRM-619



6" MARQUISE SERIES ADJUSTABLES

REFLECTOR TYPE	SOURCE	LUMEN	COLOR TEMP	FINISH
NRM-614 Surface Adjustable	L LED	85 850	27 2700K	See finishes at right
NRM-617 Regressed Baffle		12 1250	30 3000K	
NRM-619 Regressed Reflector		20 2000	35 3500K	
			40 4000K	
			CD Comfort Dim	

Example: **NRM-614L8527BZ** - 6" Marquise Series, Surface Adjustable Reflector, LED, 850 Lumen, 2700K, Bronze

Marquise Series Adjustable Trims require 6" Marquise housing - see page 42.

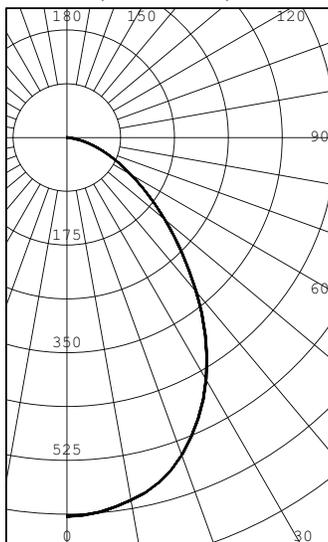
6" MARQUISE ADJ. SERIES FINISHES

	614	617	619
B	•		
BW		•	•
BZ	•	•	•
C	•		
CO	•	•	•
CW			•
HZW			•
NN	•	•	•
WW	•	•	•

- B** Black
- BW** Specular Black with White Flange
- BZ** Bronze with Bronze Flange
- C** Chrome
- CO** Copper with Copper Flange
- CW** Diffused Clear with White Flange
- HZW** Haze with White Flange
- NN** Natural Metal and Flange
- WW** White with White Flange

NMH-612LE1 / NRM-614L1230DW Test No. 668099

INTENSITY (CANDLEPOWER) SUMMARY



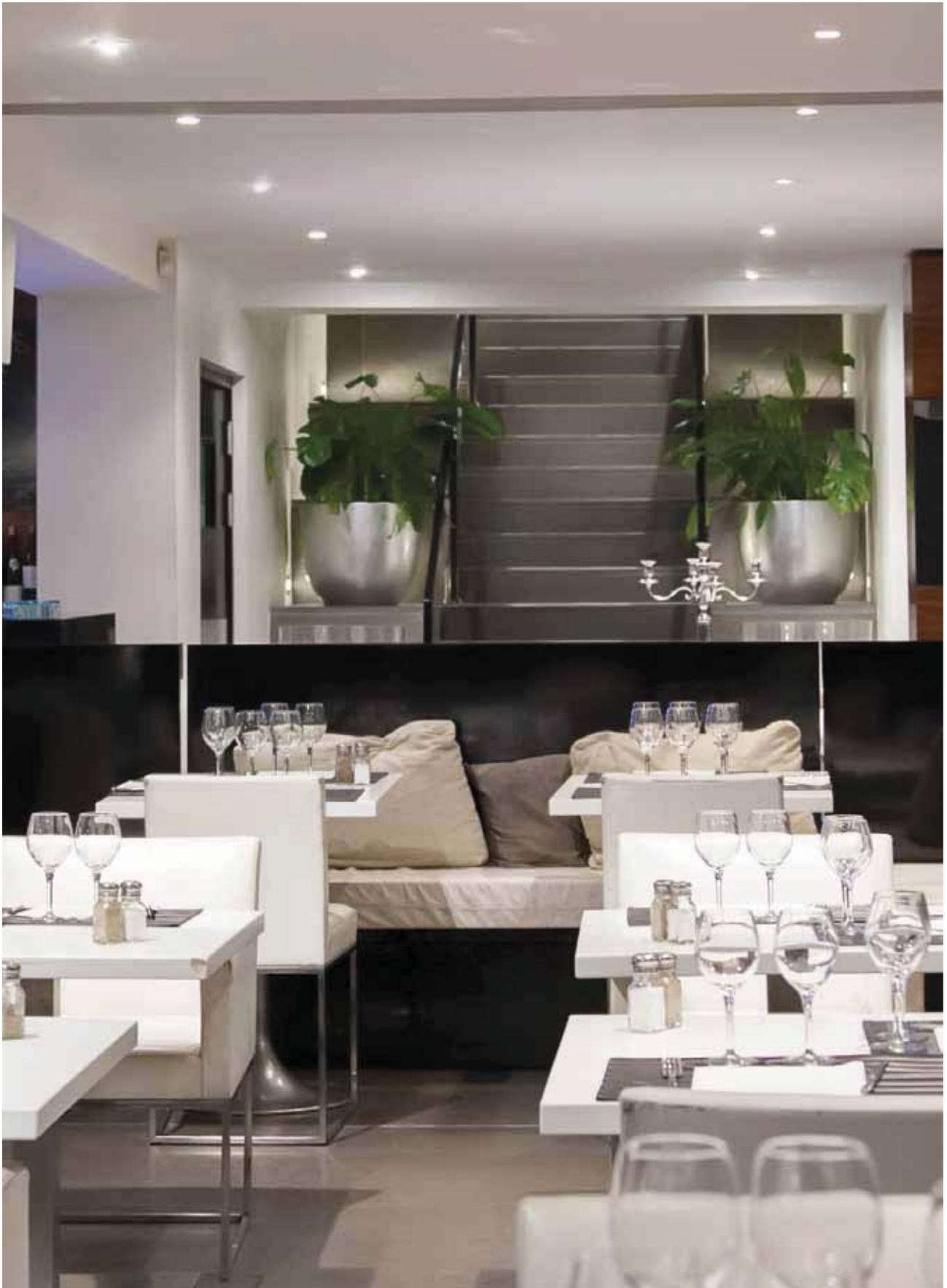
ANGLE	MEAN CP
0	616
5	612
10	599
15	580
20	548
25	505
30	452
35	392
40	327
45	264
50	208
55	160
60	120
65	87
70	60
75	38
80	20
85	6
90	0

ZONAL LUMENS & PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	453	38.36
0-40	696	59.00
0-60	1044	88.446
0-90	1180	100.00
40-90	484	41.00
60-90	136	11.54
90-180	0	0.00
0-180	1180	100.00

LUMINACE SUMMARY CD. / SQ.M.

ANGLE	MEAN CD/SQ M
45	26821
55	20048
65	14862
75	10570
85	5071



LED Recessed Retrofit

3 SERIES: MARQUISE · DIAMOND II · DIAMOND 1000

Marquise Series

- Comfort Dimming option
- 850 Lumens
- 90+ CRI standard
- 90+ CRI True White™
- 5" and 6" Apertures



Diamond II Series

- 630-650 Lumens
- 90+ CRI standard
- 4", 5" and 6" Apertures
- 6" Adjustable trims
- 4" Square trims



Diamond 1000

- 1000 Lumens
- 90+ CRI standard
- 90+ CRI True White™
- 5" and 6" Apertures



Easily replace your existing medium based incandescent lamp with an energy efficient LED. No tools required!





Retrofit Unit

Nora Lighting's LED Recessed Retrofit units make changing an existing incandescent recessed housing into an energy efficient LED as simple as screwing in a lamp. The unit ships with a medium base socket. All Nora LED retrofit units are cULus listed for use in IC or Non-IC housings by Nora and others. Additionally each retrofit version ships with an additional connector for cULus approved hard wiring of an existing housing to meet some energy rebate requirements.

Retrofit units are available in 4", 5", and 6" apertures in 630 and 1000 lumen outputs and in seven finishes.

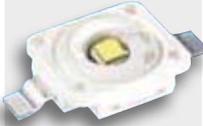


Dedicated Unit

Nora Lighting's series of dedicated LED units are cULus listed for use only in Nora 6", 5" and 4" NHIC-LMRAT or NHRIC-LMRAT housings. Dedicated units assure that the LED package will meet most energy rebate or saving requirements..

Because the housing is only cULus listed for the Nora LED Dedicated unit; the designer, specifier, distributor, and end user can be assured they will be getting the finish and performance they expect.

Dedicated units are available in 4", 5", and 6" apertures in 630 and 1000 lumen outputs and in seven finishes.

Business and residential customers are switching to LEDs to save money and the environment	 65W BR30 Incandescent	 18W Compact Fluorescent	 12W LED Source
Fixture energy cost for 50,000 hrs.	\$3,250	\$900	\$750
Life in years	.67 Years	4.1 Years	17 Years
Useable Light (fc)*	24.2	21.9	22.6
Energy Star Qualified	No	Yes	Yes

* Average footcandles at 8' mounting height, 20' x 20', multiple units, spaced at 6' O.C.

** 5-year limited warranty on 4", Adjustable, and 1000 Lumen Diamond Series units



Comfort Dim technology allows even dimming from 2700K down to 1800K

Light Commercial and Residential **MARQUISE RETROFIT SERIES** 850 Lumen LED 5"* and 6" · Comfort Dim Option

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 or restaurant, or multi-purpose room. The 850 lumen output is ideal for ceilings under 10 feet.

MARQUISE RETROFIT FINISHES

51 / 61 REFLECTOR AND FLANGE FINISH

- BW** Specular Black Refl. / White Flange
- BZ** Bronze Reflector and Flange
- CO** Copper Reflector and Flange
- DW** Diffused Clear Refl. / White Flange
- HZW** Haze Reflector / White Flange
- NN** Natural Metal Reflector and Flange
- WW** White Reflector and Flange

52 / 62 BAFFLE AND FLANGE

- BW** Black Baffle / White Flange
- BZ** Bronze Baffle and Flange
- CO** Copper Baffle and Flange
- NN** Natural Metal Baffle and Flange
- WW** White Baffle and White Flange



NRM-51

NRM-62

5" and 6" MARQUISE SERIES RETROFIT

UNIT TYPE	STYLE	SOURCE	LUMEN	COLOR TEMP	FINISH
NRM Dedicated	51* 5" Open Reflector	L LED	85 850	27 2700K	See Finishes
NMR Retrofit	52* 5" Baffle			30 3000K	
	61 6" Open Reflector			35 3500K	
	62 6" Baffle			40 4000K	
				CD Comfort Dim	

Example: **NMR-51L8530BW** - 5" Marquise Series Retrofit, Open Reflector, LED, 850 Lumen, 3000K, Black Specular Reflector, White Self-Flange

* Note: 5" Marquise Retrofit requires the removal of the socket to be replaced with the disconnect.

Marquise 5" and 6" Retrofit LEDs give the same visual appearance as the Diamond II series. Featuring a deep cone for visual comfort the Marquise Retrofit offers the 850 lumen Comfort Dim option for areas critical to ambience and feel. The retrofit fits 6" and 5" IC and Non-IC housings by Nora and others. Combine Diamond II and Marquise Retrofits for a dramatic, economical, dimmable experience in commercial and residential spaces.

ELECTRICAL:

Voltage: 120V or 277V AC

Current: 130mA

Lumens / Power Consumption:

850lm / 8.76W,

1250lm / 12.88W,

2000lm / 20.62W

Color Rendering Index: 90+ CRI TrueWhite™

Color Temperature: 2700K, 3000K, 3500K, 4000K and Comfort Dim (2700K-1800K)

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

DIMMING: 850 and 1250 Triac ELV; 2000, 0-10V

DIMMING OPTIONS: White light dimming (standard); Comfort Dim (2700K-1800K)

COMPATIBLE HOUSINGS

New Construction

NHIC-501QAT 5" ICAT Line Voltage

NFBIC-5INCAT 5" ICAT Fire Box

NH-501Q 5" Line Voltage

NHIC-5G24ATFL 5" ICAT GU24

NHIC-5LMRAT 5" ICAT Dedicated LED

NFBIC-5LMRAT 5" ICAT Dedicated LED Fire Box

NHIC-17QAT 6" ICAT Line Voltage

NHIC-17QNBAT 6" ICAT Line Voltage (No Bracket)

NFBIC-6INCAT 6" ICAT Fire Box

NH-26Q 6" Line Voltage

NH-26QNB 6" Line Voltage (No Bracket)

NHIC-6G24ATFL 6" ICAT GU24

NHIC-6LMRAT 6" ICAT Dedicated LED

NFBIC-6LMRAT 6" ICAT Dedicated LED .Fire Box

Remodel

NHRIC-504QAT 5" ICAT Line Voltage

NHR-504Q 5" Line Voltage

NHRIC-5G24ATFL 5" ICAT GU24

NHRIC-5LMRAT 5" ICAT Dedicated LED

NHRIC-17QAT 6" ICAT Line Voltage

NHRIC-17QNBAT 6" ICAT Line Voltage (No Bracket)

NHR-26Q 6" Line Voltage

NHRIC-6G24ATFL 6" ICAT GU24

NHRIC-6LMRAT 6" ICAT Dedicated LED





LED Diamond II Series

RETROFIT, NEW CONSTRUCTION AND REMODEL HIGH PERFORMANCE LED DOWNLIGHT



Quick Connects
Easily connect the LED Retrofit to an existing or new housing

Dimmable Integral Driver
2-wire dimming down to 10% with standard Incandescent dimmer. For optimum 5% dimming and minimal loads use electronic low voltage dimmer

Medium Screw Base
Optional GU24 adapter available

UTM - Unitized Thermal Management System

LEDs
2700K, 3000K and 4000K, 90+ CRI
Conform to IESNA LM-79 and LM-80
630-650 Lumens/10.55W

UL Classified
for use in 4", 5" and 6" IC or Non-IC housings by Nora and others

Apertures
3-7/8", 4-5/8" and 5-1/4"
Small size, high Lumen output

cULus Listed
Wet Location Listed

Reflector or Baffle
Self-Flanged Spun Aluminum

Environment Friendly
No Mercury, ultraviolet, or infrared wavelengths

Small Diffused Lens
Deep set for excellent visual comfort and low aperture brightness



DIAMOND II SERIES LED Retrofit and Dedicated

4" Retrofit 630 Lumen LED



NLEDC-421

NLEDR-422

NLEDR-428
with NTG-4B/80

4" DIAMOND II SERIES RETROFIT & DEDICATED UNIT

TYPE	SOURCE	CRI	COLOR TEMP	FINISH
NLEDC Dedicated	421 Reflector	9 90+ CRI	27 2700K	See finishes at right
NLEDR Retrofit	422 Baffle		30 3000K	
	428 Reflector for Decorative Glass*		40 4000K	

Example: **NLEDR-421930WW** - 4" Diamond II Series Retrofit, 90+ CRI, 3000K, White Reflector, White Flange

* 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.

LED Dedicated unit includes Quick Connect for use with Dedicated Remodel and New Construction Nora housings.

4" DIAMOND II FINISHES

	421	422	428
BB	•		•
BW	•	•	•
BZ	•	•	•
CO	•	•	•
CW	•		•
DW	•		•
HZW	•		•
NN	•	•	•
WW	•	•	•

- BB** Specular Black and Flange
- BW** Specular Black with White Flange
- BZ** Bronze with Bronze Flange
- CO** Copper with Copper Flange
- CW** Specular Clear with White Flange
- DW** Diffused Clear with White Flange
- HZW** Haze with White Flange
- NN** Natural Metal and Flange
- WW** White with White Flange

428 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

Nora Lighting's 4" LED Diamond II Recessed Luminaires are cULus listed for use in existing 4" IC or Non-IC housings manufactured by Nora and others. The units provide up to 630 lumen output, 10.55 watts and 90+ CRI. Nora's 4" LED is designed with a deep cut-off and a 2" light source giving it the appearance of a designer accepted MR16. An obvious choice for Green Energy Efficient lighting in commercial and residential applications.

ELECTRICAL:

Voltage: 120VAC

Current: 100mA

Lumens: 630lm

Power Consumption: 10.55 Watts

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

SOCKET:

Edison Medium Base Socket (included with Retrofit)

Quick Connect (included with dedicated)
GU24 Socket (accessory available)

INSTALLATION: Friction Blades

CONSTRUCTION: Scientifically and specifiable "Unitized Thermal Management system" (UTM) provides exceptional cool operation exceeding all industry standards.

LENS: Deep set for excellent glare control scientifically designed for optimal performance.

DIMMING: Nora Diamond II Retrofit works with standard leading and trailing edge dimming technologies. Dimming with leading-edge dimmers (electronic) are 5-100% and for trailing-edge dimmers (incandescent) 10-100%. There may be some cases that require more than one lighting fixture to be used to meet minimum dimmer load. Consult with dimmer manufacturer.

LISTING:

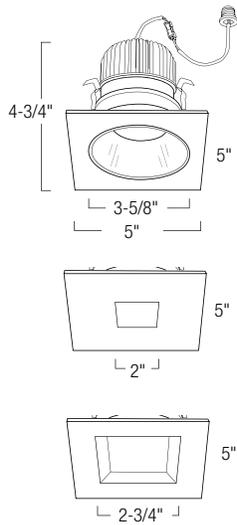
cULus Listed for Wet Location
UL Classified for use with most manufacturers IC and Non-IC housings
WSEC ASTM E283 for Air-Tight (with IC Housing)
Title 24 Compliant (GU24 & Dedicated Version)
Energy Star Rated
RoHS Compliant
Lighting Facts approved
Conforms to IESNA LM-79 and LM-80

LISTING:

5 Year Limited Warranty



LED Retrofit and Dedicated **DIAMOND II SERIES** 630 Lumen LED 4" Square Retrofit



NLEDC- 423

NLEDR- 425

NLEDC-426

4" DIAMOND II SERIES RETROFIT & DEDICATED UNIT

TYPE	SOURCE	CRI	COLOR TEMP	FINISH
NLEDC Dedicated	423 Square Flange, Round Reflector	9 90+ CRI	27 2700K	See finishes at right
NLEDR Retrofit	425 Square Flange, Square 2" Pinhole		30 3000K	
	426 Square Fl., Square 2.75" Regress		40 4000K	

Example: **NLEDR-423930NN** - 4" Diamond II Series Retrofit, Square Flange with Round Reflector, 90+ CRI, 3000K, Natural Metal Reflector and Natural Metal Flange

* LED Dedicated unit includes Quick Connect for use with Dedicated Remodel and New Construction Nora housings.

4" DIAMOND II SQUARE FINISHES

423 REFLECTOR AND FLANGE

- BZ** Bronze Reflector and Flange
- CW** Specular Clear Refl. / White Flange
- HZW** Haze Reflector / White Flange
- NN** Natural Metal Reflector and Flange
- WW** White Reflector and Flange

425 PINHOLE AND FLANGE

- BB** Black Flange
- BBZ** Bronze Flange
- BN** Natural Metal Flange
- WW** White Flange

426 REGRESS AND FLANGE

- BBW** Black Regress / White Flange
- BZ** Bronze Regress and Flange
- NN** Natural Metal Regress and Flange
- WW** White Regress and Flange

COMPATIBLE HOUSINGS:

- NSIC-401QAT** 4" ICAT Line Voltage
- NFBIC-4INCAT** 4" ICAT Fire Box
- NS-401QAT** 4" AT Line Voltage
- NHIC-4G24AT** 4" ICAT GU24
- NHIC-4LMRAT** 4" ICAT Dedicated LED
- NFBIC-4LMRAT** 4" ICAT Dedicated LED Fire Box
- NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V
- NSR-404QAT** 4" Remodel AT Line Voltage
- NHRIC-4G24AT** 4" Remodel ICAT GU24
- NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED



DIAMOND II SERIES LED Retrofit and Dedicated

5" Retrofit 650 Lumen LED



NLEDR-521

NLEDC-522

NLEDR-528
with NTG-5CF

5" DIAMOND II SERIES RETROFIT & DEDICATED UNIT

TYPE	SOURCE	CRI	COLOR TEMP	FINISH
NLEDC Dedicated	521 Reflector	9 90+ CRI	27 2700K	See
NLEDR Retrofit	522 Baffle		30 3000K	finishes
	528 Reflector for Decorative Glass*		40 4000K	at right

Example: **NLEDR-521930WW** - 5" Diamond II Series Retrofit, 90+ CRI, 3000K, White Reflector, White Flange

* 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.

LED Dedicated unit includes Quick Connect for use with Dedicated Remodel and New Construction Nora housings.

5" DIAMOND II FINISHES

	521	522	528
BB	•		•
BW	•	•	•
BZ	•	•	•
CO	•	•	•
DW	•		•
HZW	•		•
NN	•	•	•
WW	•	•	•

- BB** Specular Black with Black Flange
- BW** Specular Black with White Flange
- BZ** Bronze with Bronze Flange
- CO** Copper with Copper Flange
- DW** Diffused Clear with White Flange
- HZW** Haze with White Flange
- NN** Natural Metal and Flange
- WW** White with White Flange

528 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

Nora Lighting's 5" LED Diamond II Recessed Luminaires are cULus and Wet listed for use in existing 5" IC or Non-IC housings manufactured by Nora and others. It provides up to 650 lumen output, 10.55 watts and 90+ CRI. Nora's 650 Lumen LED Diamond II is ideal for reducing the number of units required to achieve desired foot-candle levels, and an obvious choice for Green Energy Efficient lighting in commercial and residential applications.

ELECTRICAL:

Voltage: 120VAC

Current: 100mA

Lumens: 650lm

Power Consumption: 10.55 Watts

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

SOCKET:

Edison Medium Base Socket (included with Retrofit)

Quick Connect (included with dedicated)

GU24 Socket (accessory available)

INSTALLATION: Friction Blades

CONSTRUCTION: Scientifically and specifiable "Unitized Thermal Management system" (UTM) provides exceptional cool operation exceeding all industry standards.

LENS: Deep set for excellent glare control scientifically designed for optimal performance.

DIMMING: Nora Diamond Retrofit works with standard leading and trailing edge dimming technologies. Dimming with leading-edge dimmers (electronic) are 5-100% and for trailing-edge dimmers (incandescent) 10-100%. There may be some cases that require more than one lighting fixture to be used to meet minimum dimmer load. Consult with dimmer manufacturer.

LISTING:

cULus Listed for Wet Location

UL Classified for use with most manufacturers IC and Non-IC housings

WSEC ASTM E283 for Air-Tight (with IC Housing)

Title 24 Compliant (GU24 & Dedicated Version)

Energy Star Rated

RoHS Compliant

Lighting Facts approved

Conforms to IESNA LM-79 and LM-80

LISTING:

7 Year Limited Warranty

COMPATIBLE HOUSINGS:

NHIC-501QAT 5" ICAT Line Voltage

NFBIC-5INCAT 5" ICAT Fire Box

NH-501Q 5" Line Voltage

NHIC-5G24ATFL 5" ICAT GU24

NHIC-5LMRAT 5" ICAT Dedicated LED

NFBIC-5LMRAT 5" ICAT Dedicated LED Fire Box

NHIC-5LMRAT/277 5" ICAT Dedicated LED, 277V

NHRIC-504QAT 5" Remodel ICAT Line Voltage

NHR-504Q 5" Remodel Line Voltage

NHRIC-5G24ATFL 5" Remodel ICAT GU24

NHRIC-5LMRAT 5" Remodel ICAT Dedicated LED



LED Retrofit and Dedicated **DIAMOND 90+ SERIES** 1000 Lumen LED 5" Retrofit

5" DIAMOND 90+ FINISHES

	581/591	582/592	588/598
BB	•		•
BW	•	•	•
BZBZ	•	•	•
COCO	•	•	•
CW	•		•
HZW	•		•
NN	•	•	•
WW	•	•	•

- BB** Specular Black with Black Flange
BW Specular Black with White Flange
BZBZ Bronze with Bronze Flange
COCO Copper with Copper Flange
CW Specular Clear with White Flange
HZW Haze with White Flange
NN Natural Metal and Flange
WW White with White Flange

588/598 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



NLEDR- 581 / NLEDR- 591

NLEDR- 582 / NLEDR- 592

NLEDC-588 / NLEDR-598
with NTG-5CF

5" DIAMOND 90+ SERIES 1000 LUMEN RETROFIT

TYPE	SOURCE	COLOR TEMP	FINISH
NLEDC Dedicated	581 Reflector	27 2700K	See finishes at left
NLEDR Retrofit	591 Reflector, Wet Label	30 3000K	
	582 Baffle	40 4000K	
	592 Baffle, Wet Label		
	588 Reflector for Decorative Glass*		
	598 Reflector for Decorative Glass*, Wet		

Example: **NLEDR-58130WW** - 5" Diamond 90+ Series Retrofit, Reflector, 3000K, White Reflector, White Flange

* 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.

LED Dedicated unit includes Quick Connect for use with Dedicated Remodel and New Construction Nora housings.

Nora's 5" 1000 lumen, 93 CRI LED Diamond 90+ Recessed Luminaire is cULus listed for use in existing 5" IC or Non-IC housings manufactured by Nora and others. The unit meets 2014 Title 24 requirements, features a Cree® integrated driver and ceramic LED, Cree® patented True White® technology and is dimmable to 10% with a standard incandescent dimmer. Available in damp and wet location styles. Ideal for higher ceiling applications, reducing the number of units required to achieve desired foot-candle levels. An obvious choice for energy efficient lighting in commercial and residential applications.

ELECTRICAL:

Voltage: 120VAC
Current: 100mA
Lumens: 1000lm
Power Consumption: 14.3 Watts
Color Rendering Index: 90+ CRI TrueWhite™
Operating Temperature: 0°C~50°C (32°F~122°F)
Life Expectancy: 50,000 Hours

SOCKET:

Edison Medium Base Socket (included with Retrofit)
 Quick Connect (included with dedicated)

GU24 Socket (accessory available)

INSTALLATION: Friction Blades

CONSTRUCTION: Scientifically and specifiable "Unitized Thermal Management system" (UTM) provides exceptional cool operation exceeding all industry standards.

LENS: Deep set for excellent glare control scientifically designed for optimal performance.

DIMMING: Nora Diamond 90+ Retrofit works with standard leading and trailing edge dimming technologies. Dimming with leading-edge dimmers (electronic) are 5-100% and for trailing-edge dimmers (incandescent) 10-100%. There may be cases that require more than one lighting fixture to be used to meet minimum dimmer load. Consult with dimmer manufacturer.

LISTING:

cULus Listed for Damp Location (581, 582, 588)
 cULus Listed for Wet Location (591, 592, 598)
 UL Classified for use with most manufacturers IC and Non-IC housings
 WSEC ASTM E283 for Air-Tight (with IC Housing)

Title 24 Compliant (GU24 & Dedicated Version)
 Energy Star Rated
 RoHS Compliant
 Lighting Facts approved
 Conforms to IESNA LM-79 and LM-80

WARRANTY:

5 Year Limited Warranty

COMPATIBLE HOUSINGS:

- NHIC-501QAT** 5" ICAT Line Voltage
- NFBIC-5INCAT** 5" ICAT Fire Box
- NH-501Q** 5" Line Voltage
- NHIC-5G24ATFL** 5" ICAT GU24
- NHIC-5LMRAT** 5" ICAT Dedicated LED
- NFBIC-5LMRAT** 5" ICAT Dedicated LED Fire Box
- NHIC-5LMRAT/277** 5" ICAT Dedicated LED, 277V
- NHRIC-504QAT** 5" Remodel ICAT Line Voltage
- NHR-504Q** 5" Remodel Line Voltage
- NHRIC-5G24ATFL** 5" Remodel ICAT GU24
- NHRIC-5LMRAT** 5" Remodel ICAT Dedicated LED



DIAMOND II SERIES LED Retrofit and Dedicated

6" Retrofit 650 Lumen LED



NLEDC-621

NLEDR-622

NLEDR-628

6" DIAMOND II SERIES RETROFIT & DEDICATED UNIT

TYPE	SOURCE	CRI	COLOR TEMP	FINISH
NLEDC Dedicated	621 Reflector	9 90+ CRI	27 2700K	See finishes at right
NLEDR Retrofit	622 Baffle		30 3000K	
	628 Reflector for Decorative Glass*		40 4000K	

Example: **NLEDR-621930WW** - 6" Diamond II Series Retrofit, 90+ CRI, 3000K, White Reflector, White Flange

* 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.

LED Dedicated unit includes Quick Connect for use with Dedicated Remodel and New Construction Nora housings.

6" DIAMOND II FINISHES

	621	622	628
BB	•		•
BW	•	•	•
BZ	•	•	•
CO	•	•	•
DW	•		•
HZW	•		•
NN	•	•	•
WW	•	•	•

- BB** Specular Black and Flange
- BW** Specular Black with White Flange
- BZ** Bronze with Bronze Flange
- CO** Copper with Copper Flange
- DW** Diffused Clear with White Flange
- HZW** Haze with White Flange
- NN** Natural Metal and Flange
- WW** White with White Flange

628 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 with Frosted Center and 3-1/8" Open Center

Nora Lighting's 6" LED Diamond II Recessed Luminaires are cULus and Wet listed for use in existing 6" IC or Non-IC housings manufactured by Nora and others. It provides up to 650 lumen output, 10.55 watts and 90+ CRI. Nora's 650 Lumen LED Diamond II is ideal for reducing the number of units required to achieve desired foot-candle levels, and an obvious choice for Green Energy Efficient lighting in commercial and residential applications.

ELECTRICAL:

Voltage: 120VAC

Current: 100mA

Lumens: 650lm

Power Consumption: 10.55 Watts

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C~50°C (32°F~122°F)

Life Expectancy: 50,000 Hours

SOCKET:

Edison Medium Base Socket (included with Retrofit)

Quick Connect (included with dedicated)

GU24 Socket (accessory available)

INSTALLATION: Torsion springs

CONSTRUCTION: Scientifically and specifiable "Unitized Thermal Management system" (UTM) provides exceptional cool operation exceeding all industry standards.

LENS: Deep set for excellent glare control scientifically designed for optimal performance.

DIMMING: Nora Diamond Retrofit works with standard leading and trailing edge dimming technologies. Dimming with leading-edge dimmers (electronic) are 5-100% and for trailing-edge dimmers (incandescent) 10-100%. There may be some cases that require more than one lighting fixture to be used to meet minimum dimmer load. Consult with dimmer manufacturer.

LISTING:

cULus Listed for Wet Location

UL Classified for use with most manufacturers IC and Non-IC housings

WSEC ASTM E283 for Air-Tight (with IC Housing)

Title 24 Compliant (GU24 & Dedicated Version)

Energy Star Rated

RoHS Compliant

Lighting Facts approved

Conforms to IESNA LM-79 and LM-80

LISTING:

7 Year Limited Warranty

COMPATIBLE HOUSINGS:

NHIC-17QAT 6" ICAT Line Voltage

NHIC-17QNBAT 6" ICAT Line Voltage (No Bracket)

NFBIC-6INCAT 6" ICAT Fire Box

NH-26Q 6" Line Voltage

NH-26QNB 6" Line Voltage (No Bracket)

NHIC-6G24ATFL 6" ICAT GU24

NHIC-6LMRAT 6" ICAT Dedicated LED

NHIC-6LMRAT/277 6" ICAT Dedicated LED, 277V

NFBIC-6LMRAT 6" ICAT Dedicated LED Fire Box

NHRIC-17QAT 6" Remodel ICAT Line Voltage

NHRIC-17QNBAT 6" Remodel ICAT Line Volt (No Bracket)

NHR-26Q 6" Remodel Line Voltage

NHRIC-6G24ATFL 6" Remodel ICAT GU24

NHRIC-6LMRAT 6" Remodel ICAT Dedicated LED



LED Retrofit and Dedicated **DIAMOND 90+ SERIES** 1000 Lumen LED **6" Retrofit**

6" DIAMOND 90+ FINISHES

	681/691	682/692	688/698
BB	•		•
BW	•	•	•
BZBZ	•	•	•
COCO	•	•	•
CW	•		•
HZW	•		•
NN	•	•	•
WW	•	•	•

- BB** Specular Black and Flange
- BW** Specular Black with White Flange
- BZBZ** Bronze with Bronze Flange
- COCO** Copper with Copper Flange
- CW** Specular Clear with White Flange
- HZW** Haze with White Flange
- NN** Natural Metal and Flange
- WW** White with White Flange

628 DECORATIVE GLASS OPTIONS

Glass sold separately

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



NLEDR- 681 / NLEDR- 691

NLEDR- 682 / NLEDR- 692

NLEDR-688 / NLEDR-698
with NTG-6B/80 + NTG-6FC

6" DIAMOND 90+ SERIES 1000 LUMEN RETROFIT

TYPE	SOURCE	COLOR TEMP	FINISH
NLEDC Dedicated	681 Reflector	27 2700K	See
NLEDR Retrofit	691 Reflector, Wet Label	30 3000K	finishes
	682 Baffle	40 4000K	at left
	692 Baffle, Wet Label		
	688 Reflector for Decorative Glass*		
	698 Reflector for Decorative Glass*, Wet		

Example: NLEDR-68130WW - 6" Diamond 90+ Series Retrofit, Reflector, 3000K, White Reflector, White Flange

** 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.*

NLEDR Dedicated unit includes Quick Connect for use with Dedicated Remodel and New Construction Nora housings.

Nora's 6" 1000 lumen, 93 CRI LED Diamond 90+ Recessed Luminaire is cULus listed for use in existing 6" IC or Non-IC housings manufactured by Nora and others. The unit meets 2014 Title 24 requirements, features a Cree® integrated driver and ceramic LED, Cree® patented True White® technology and is dimmable to 10% with a standard incandescent dimmer. Available in damp and wet location styles. Ideal for higher ceiling applications, reducing the number of units required to achieve desired foot-candle levels. An obvious choice for energy efficient lighting in commercial and residential applications.

ELECTRICAL:

- Voltage:** 120VAC
- Current:** 130mA
- Lumens:** 1000lm
- Power Consumption:** 14.3 Watts

- Color Rendering Index:** 90+ CRI TrueWhite™
- Operating Temperature:** 0°C~50°C (32°F~122°F)
- Life Expectancy:** 50,000 Hours

SOCKET:

- Edison Medium Base Socket (included with Retrofit)
- Quick Connect (included with dedicated)
- GU24 Socket (accessory available)

INSTALLATION: Friction Blades

CONSTRUCTION: Scientifically and specifiable "Unitized Thermal Management system" (UTM) provides exceptional cool operation exceeding all industry standards.

LENS: Deep set for excellent glare control scientifically designed for optimal performance.

DIMMING: Nora Diamond 90+ Retrofit works with standard leading and trailing edge dimming technologies. Dimming with leading-edge dimmers (electronic) are 5-100% and for trailing-edge dimmers (incandescent) 10-100%. There may be cases that require more than one lighting fixture to be used to meet minimum dimmer load. Consult with dimmer manufacturer.

LISTING:

- cULus Listed for Damp Location (581, 582, 588)
- cULus Listed for Wet Location (591, 592, 598)
- UL Classified for use with most manufacturers IC and Non-IC housings
- WSEC ASTM E283 for Air-Tight (with IC Housing)
- Title 24 Compliant (GU24 & Dedicated Version)
- Energy Star Rated

- RoHS Compliant
- Lighting Facts approved
- Conforms to IESNA LM-79 and LM-80

WARRANTY:

5 Year Limited Warranty

COMPATIBLE HOUSINGS:

- NHIC-17QAT** 6" ICAT Line Voltage
- NHIC-17QNBAT** 6" ICAT Line Voltage (No Bracket)
- NFBIC-6INCAT** 6" ICAT Fire Box
- NH-26Q** 6" Line Voltage
- NH-26QNB** 6" Line Voltage (No Bracket)
- NHIC-6G24ATFL** 6" ICAT GU24
- NHIC-6LMRAT** 6" ICAT Dedicated LED
- NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V
- NFBIC-6LMRAT** 6" ICAT Dedicated LED Fire Box
- NHRIC-17QAT** 6" Remodel ICAT Line Voltage
- NHRIC-17QNBAT** 6" Remodel ICAT Line Volt (No Bracket)
- NHR-26Q** 6" Remodel Line Voltage
- NHRIC-6G24ATFL** 6" Remodel ICAT GU24
- NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED



DIAMOND II SERIES LED Retrofit and Dedicated 6" Adjustable Retrofit 650 Lumen LED



NLEDR-624

NLEDC-627

NLEDR-629

6" DIAMOND II SERIES ADJUSTABLE UNIT

TYPE	SOURCE	CRI	COLOR TEMP	FINISH
NLEDC Dedicated	624 Surface Flush Adjustable	9 90+ CRI	27 2700K	See finishes at right
NLEDR Retrofit	627 Regressed Baffle		30 3000K	
	629 Regressed Reflector		40 4000K	

Example: **NLEDR-629930WW** - 6" Diamond II Series Retrofit, Regressed Reflector, 90+ CRI, 3000K, White Reflector and Flange

LED Dedicated unit includes Quick Connect for use with Dedicated Remodel and New Construction Nora housings.

6" DIA. II ADJ. SERIES FINISHES

	624	627	629
B	•		
BW		•	•
BZ	•	•	•
C	•		
CO	•	•	•
CW			•
HZW			•
NN	•	•	•
WW	•	•	•

- B** Black
- BW** Specular Black with White Flange
- BZ** Bronze with Bronze Flange
- C** Chrome
- CO** Copper with Copper Flange
- CW** Diffused Clear with White Flange
- HZW** Haze with White Flange
- NN** Natural Metal and Flange
- WW** White with White Flange

Nora Lighting's 6" LED Diamond II Adjustable is cULus listed for use in existing 6" IC or Non-IC housings manufactured by Nora and others. Providing up to 650 lumen output, 10.55 watts and 90+ CRI the 0 to 45 degree Adjustable LED Diamond Retrofit is an excellent Green Energy Efficient lighting solution for wall-washing, accent and slope ceiling commercial and residential applications.

ELECTRICAL:

Voltage: 120VAC
Current: 100mA
Lumens: 650lm
Power Consumption: 10.55 Watts
Color Rendering Index: 90+ CRI
Operating Temperature: 0°C~50°C (32°F~122°F)
Life Expectancy: 50,000 Hours

SOCKET:

Edison Medium Base Socket (included with Retrofit)
 Quick Connect (included with dedicated)
 GU24 Socket (accessory available)

INSTALLATION:

Torsion springs

CONSTRUCTION: Scientifically and specifiable "Unitized Thermal Management system" (UTM) provides exceptional cool operation exceeding all industry standards.

LENS: Deep set for excellent glare control scientifically designed for optimal performance.

DIMMING: Nora Diamond Retrofit works with standard leading and trailing edge dimming technologies. Dimming with leading-edge dimmers (electronic) are 5-100% and for trailing-edge dimmers (incandescent) 10-100%. There may be some cases that require more than one lighting fixture to be used to meet minimum dimmer load. Consult with dimmer manufacturer.

LISTING:

cULus Listed for Damp Location
 UL Classified for use with most manufacturers IC and Non-IC housings
 WSEC ASTM E283 for Air-Tight (with IC Housing)
 Title 24 Compliant (GU24 & Dedicated Version)
 Energy Star Rated
 RoHS Compliant
 Lighting Facts approved

Conforms to IESNA LM-79 and LM-80

WARRANTY:

7 Year Limited Warranty

COMPATIBLE HOUSINGS:

- NHIC-17QAT** 6" ICAT Line Voltage
- NHIC-17QNBAT** 6" ICAT Line Voltage (No Bracket)
- NFBIC-6INCAT** 6" ICAT Fire Box
- NH-26Q** 6" Line Voltage
- NH-26QNB** 6" Line Voltage (No Bracket)
- NHIC-6G24ATFL** 6" ICAT GU24
- NHIC-6LMRAT** 6" ICAT Dedicated LED
- NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V
- NFBIC-6LMRAT** 6" ICAT Dedicated LED Fire Box
- NHRIC-17QAT** 6" Remodel ICAT Line Voltage
- NHRIC-17QNBAT** 6" Remodel ICAT Line Volt (No Bracket)
- NHR-26Q** 6" Remodel Line Voltage
- NHRIC-6G24ATFL** 6" Remodel ICAT GU24
- NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED



DIAMOND SERIES Accessories



Socket Cup Adapter
NRA-6160

Adaptor attaches to the top of a 6" Diamond Series 1000 Lumen unit to accept a floating socket cup.



Retrofit Collar
NRA-6159
For "L" Style housings OD: 6-1/4"
NRA-6159PRG
For "P" Style housings OD: 6"

For use with existing nominal 6" housings that do not have brackets for torsion springs. Unit installs using friction blades.



Emergency Pack
NRA-DIAEM

Emergency battery for Diamond Series LED with integral drivers. Each NRA-DIAEM powers one Diamond for a minimum of 90 minutes.

Note: The NRA-DIAEM requires top access.



277V Step Down Transformers
NRA-277/300 300W Max
NRA-277/150 150W Max
NRA-277/50 50W Max

Step-down transformer converts 277V into 120V. Can be used with Diamond Series.

LED Retrofit Compatible Housings

NEW CONSTRUCTION HOUSINGS

	NSIC-401QAT	4" ICAT Line Voltage
	NFBIC-4INCAT	4" ICAT Fire Box
	NS-401QAT	4" AT Line Voltage
	NHIC-4G24AT	4" ICAT GU24
	NHIC-4LMRAT	4" ICAT Dedicated LED
	NHIC-4LMRAT/277	4" ICAT Dedicated LED, 277V
	NFBIC-4LMRAT	4" ICAT Dedicated LED Fire Box
	NHIC-501QAT	5" ICAT Line Voltage
	NFBIC-5INCAT	5" ICAT Fire Box
	NH-501Q	5" Line Voltage
	NHIC-5G24ATFL	5" ICAT GU24
	NHIC-5LMRAT	5" ICAT Dedicated LED
	NHIC-5LMRAT/277	5" ICAT Dedicated LED, 277V
	NFBIC-5LMRAT	5" ICAT Dedicated LED Fire Box
	NHIC-17QAT	6" ICAT Line Voltage
	NHIC-17QNBAT	6" ICAT Line Voltage (No Bracket)
	NFBIC-6INCAT	6" ICAT Fire Box
	NH-26Q	6" Line Voltage
	NH-26QNB	6" Line Voltage (No Bracket)
	NHIC-6G24ATFL	6" ICAT GU24
	NHIC-6LMRAT	6" ICAT Dedicated LED
	NHIC-6LMRAT/277	6" ICAT Dedicated LED, 277V
	NFBIC-6LMRAT	6" ICAT Dedicated LED Fire Box

REMODEL HOUSINGS

	NSR-404QAT	4" AT Line Voltage
	NHRIC-4G24AT	4" ICAT GU24
	NHRIC-4LMRAT	4" ICAT Dedicated LED
	NHRIC-504QAT	5" ICAT Line Voltage
	NHR-504Q	5" Line Voltage
	NHRIC-5G24ATFL	5" ICAT GU24
	NHRIC-5LMRAT	5" ICAT Dedicated LED
	NHRIC-17QAT	6" ICAT Line Voltage
	NHRIC-17QNBAT	6" ICAT Line Voltage (No Bracket)
	NHR-26Q	6" Line Voltage
	NHRIC-6G24ATFL	6" ICAT GU24
	NHRIC-6LMRAT	6" ICAT Dedicated LED

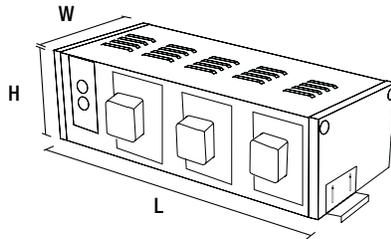
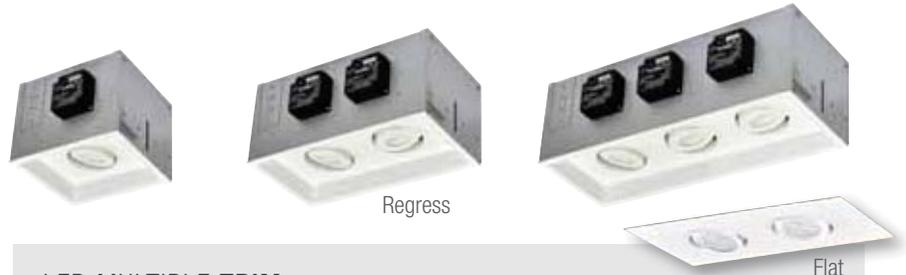


NEW 2-Hour Rated Fire Box
NFB Series



LED MULTIPLE LIGHTING SYSTEM

3000 Lumen Modules · Single Opening 1 to 3 Adjustable



DIMENSIONS:

- 1 Lamp** - *Width: 9-1/2"
 **Length: 9-1/2"
 Height: 8"
Cut-out: 8-1/2" x 9-1/2"
- 2 Lamp** - *Width: 9-1/2"
 **Length: 18"
 Height: 8"
Cut-out: 8-1/2" x 18"
- 3 Lamp** - *Width: 9-1/2"
 **Length: 23-1/2"
 Height: 8"
Cut-out: 8-1/2" x 22-1/2"

*Width does not include Driver
 **Length does not include Adjustable Brackets

LED MULTIPLE TRIM *Requires Housing, sold separately*

SERIES	ROWS	FACE PLATE	MODULES	LUMEN/MODULE	COLOR TEMP	FACE/FLANGE FINISH
NMRT	1 One	(Blank) Regress F Flat	1 One	L85 850	27 2700K	BW Black/White SS Silver/Silver WW White/White
			2 Two	L12 1250	30 3000K	
			3 Three	L20 2000	35 3500K	
				L30 3000	40 4000K	
					CD Comfort Dim (27-18K)	

Example: **NMRT-12L8527WW** - LED; 1 Row Linear; 2 Modules; 1700 Lumens; 2700K; White Face, White Flange

LED MULTIPLE HOUSING *Requires Trim, sold separately*

SERIES	SOURCE	ROWS	MODULES	DRIVER	VOLTAGE	LUMEN/MODULE
NMR	G LED	1 One	1 One	D Driver	1 120V	L85 850
			2 Two	C Comfort Dim	2 277V	L12 1250
			3 Three			L20 2000 L30 3000 CD Comfort Dim

Example: **NMRG-12D1L85** - LED; 1 Row Linear; 2 Modules; Driver; 120V; 850 Lumens each

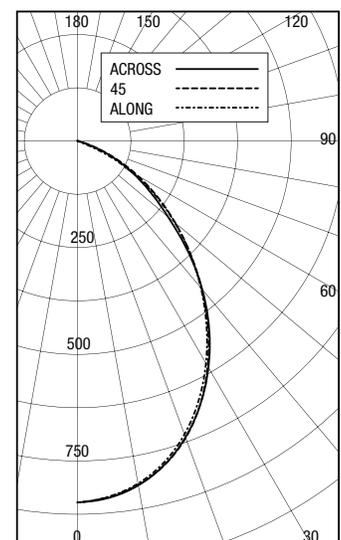
Note: 2000 or 3000 lumen Comfort Dim modules require 4000 Lumen drivers.

NSpec expands its line of MLS fixtures to now include LED dedicated adjustable lighting modules. Available in 1 to 3 light linear configurations, the MLS LED fixture offers 850, 1250, 2000, and 3000 lumen output in 27K, 30K, 35K, 40K and Comfort Dim temperatures per opening. The MLS face plate is regressed to maintain a clean ceiling appearance. Trim finishes are white/white, white/black, and silver/silver. Additionally there is a flat face plate with gimbal rings in white, black or silver. The units are completely serviceable from below and can be specified in either 120V or 277V. They can be wired as a single complete unit or as 2-3 individually controlled or dimmed modules. The NEW MLS LEDs compliments the current MLS Low Voltage, CMH and Incandescent PAR series.

FEATURES:

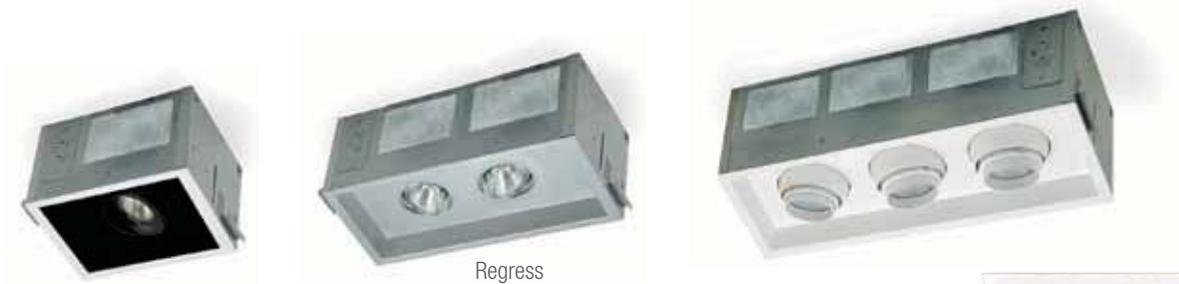
- 850, 1250, 2000 and 3000 Lumens
- 90+ CRI, Cree TrueWhite™ Technology
- 2700K, 3000K, 3500K, and 4000K
- Available in Comfort Dim - 2700K to 1800K
- Dimmable
- Independently adjustable at every opening
- Fixtures adjustable to 40 degrees with 350 degree rotation
- Three configurations: one-light square, two and three-light linear
- Lower installation and maintenance costs
- Architecturally appealing with regressed or flat closed face for finished look
- Finishes include White Face and Fixture with White Flange; Black Face and Fixture with White Flange; Silver Face and Fixture with Silver Flange
- 5-year limited warranty

NMRG-11E3L20 / NMRT-11L2030WW



MULTIPLE LIGHTING SYSTEM

1 to 3 Adjustable LED Compatible Line Voltage



Flat

LINE VOLTAGE MULTIPLE TRIM *Requires Housing, sold separately*

SERIES	ROWS	FACE FLATE	LAMPS	TRIMS	FACE/FLANGE FINISH	LED LAMP INCLUDED
NMRT	1 One	(Blank)	1 One	628 PAR30 Eyeball	BW Black/White	(Blank) No Lamp
		Regress	2 Two	652 PAR30 Gimbal	SS Silver/Silver	EXX see chart at right
		F Flat	3 Three	653 PAR38 Gimbal	WW White/White	AXX see chart at right

Example: **NMRT-1F2628WWE33** - 1 Row Linear; 2 Lamps; PAR30 Eyeball; White Flat Face & Flange, (2) E33 LEDs

LINE VOLTAGE MULTIPLE HOUSING *Requires Trim, sold separately*

SERIES	SOURCE	ROWS	LAMPS	BALLAST	VOLTAGE	LAMP TYPE	WATTAGE
NMR	Incandescent	1 One	1 One	N None	1 120V	0 PAR30	75* 75W
			2 Two			8 PAR38	150* 150W
			3 Three				

Example: **NMRI-12N1075** - Line Voltage Multiple Lighting System, 1 Row, 2 Lamp; 120V Input; 75W PAR30

* Custom wattage labeling available by factory. **NMRI-12N1030** - Line voltage, 1 Row, 2 Lamp, 120V, 15 watt max per socket

Nora Lighting's family of Line Voltage MLS fixtures can be used in residential, commercial and retail applications. Nora's MLS fixtures allow a single ceiling opening to have 1 to 3 independently adjustable trims. The housings can be installed in drywall, plaster, and suspended ceilings.

SOCKET: Steel shell porcelain socket. Medium screw-in base.

LAMP TYPES:
75W* PAR30 max 150W* PAR38 max

WIRING: Each unit has a wiring channel with leads from each socket, there by allowing independent switching or dimming. (Additional switch legs are required).

CEILING THICKNESS: Accepts 1" maximum ceiling thickness.

INSTALLATION: Universal brackets accepts C-Channel or flat bar hangers (ordered separately), or simple rigid 1/2" steel conduit for tie-down to ceiling grids.

MINIMUM CLEARANCE: Requires a minimum clearance of 3" from thermal insulation and 1/2" from any adjacent building components.

HOUSING: Heavy gauge post painted steel. Vented on top for cool operation. Transformer(s) may be accessed from below.

KNOCKOUTS: Six 3/4" knockouts included - 2 each on 3 sides.

LISTING:
cULus Damp Location



COMPATIBLE LED LAMPS LINE VOLTAGE MLS

LED PAR30 Short Neck

- E30*** LED 12W 2700K PAR30 740 Lumens, 20°
- E31*** LED 12W 3000K PAR30 750 Lumens, 20°
- E32*** LED 12W 2700K PAR30 740 Lumens, 35°
- E33*** LED 12W 3000K PAR30 750 Lumens, 35°

LED PAR30 Long Neck

- A36*** LED 13W 2700K PAR30 680 Lumens, 40°
- A37*** LED 13W 3000K PAR30 700 Lumens, 40°

LED PAR38

- A83*** LED 20W 3000K PAR38 1200 Lumens, 25°
- A84*** LED 20W 2700K PAR38 1150 Lumens, 40°
- A85*** LED 20W 3000K PAR38 1200 Lumens, 40°
- E80*** LED 20W 2700K PAR38 1000 Lumens, 15°
- E81*** LED 20W 3000K PAR38 1100 Lumens, 15°
- E82*** LED 20W 2700K PAR38 1000 Lumens, 25°
- E83*** LED 20W 3000K PAR38 1100 Lumens, 25°
- E84*** LED 20W 2700K PAR38 1000 Lumens, 40°
- E85*** LED 20W 3000K PAR38 1100 Lumens, 40°

LED PAR38 Low Glare

- E86** LED 17W 3000K PAR38 LG 820 Lms, 15°
- E88** LED 17W 3000K PAR38 LG 820 Lms, 40°

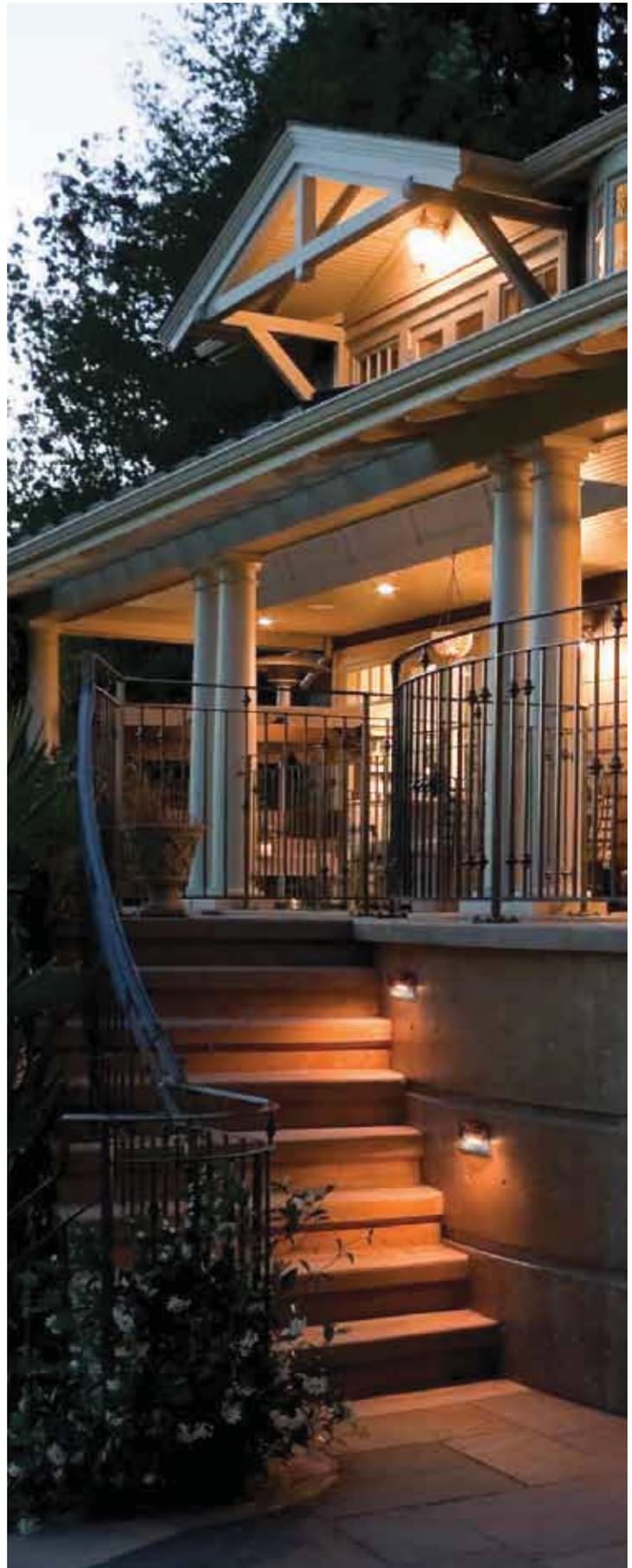
* Dimmable

see page 131 for LED Lamp Specs



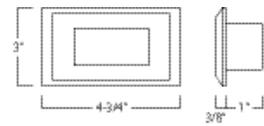
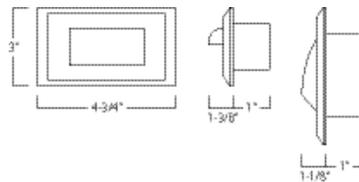
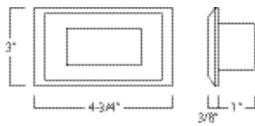
LED Step Lighting

Nora step lights create a safe path of light or warn of elevation change in residential and commercial applications. The completely recessed fixtures blend with any architectural design. The LED step lights are maintenance free and available with lensed and louvered faces rated for wet label applications. Nora step lights offer solutions for pathway and stair safety lighting in patio, deck, hospital, hotel, school, airport, and residential applications.



LED STEP LIGHTS

Die-Cast Mia LED Mini Step Light



MIA DIE-CAST LED MINI STEP LIGHTS

FRAME TYPE	FINISHES	OPTIONS
<ul style="list-style-type: none"> NSW-671/30 Horizontal Louver NSW-672/30 Horizontal or Vertical Lensed NSW-673/30 Horizontal Shroud NSW-674/30 Vertical Louver NSW-675/30 Vertical Shroud 	<ul style="list-style-type: none"> BN Brushed Nickel BZ Bronze W White 	<ul style="list-style-type: none"> Can be special ordered in 277V or with blue or amber LEDs. Contact factory

Example: **NSW-671/30W** - Mia die-cast mini LED step light with horizontal louver, white finish

Nora's New Mia LED Step Lights with Die-Cast face plates use the latest in solid state lighting. The step lights include an integrated driver and twelve LEDs offer a total load of 1.5W. Mia Step Lights are available with louvered, lensed, or shroud face plates and can be easily installed in a standard single gang switch box.

ELECTRICAL:

Voltage: 120VAC
Correlated Color Temperature: 3000K
Power Consumption: 1.5 Watts
Beam Angle: 110°
Life Expectancy: 50,000 Hours
Driver: 120V AC Integrated Non-Dimmable

LED SOURCE: Twelve LEDs offer a total load of 1.5W. Optional Red & 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.

RATED LIFE: 50,000 Hours at 70% lumen maintenance

FACE PLATES: Available in horizontal or vertical shroud or louver. Lensed face plate can be mounted vertically or horizontally.

APPLICATIONS: Hallways, entrances, stairways, wall bases, or any application requiring a low profile, recessed fixture providing safe illumination in indoor or outdoor dark areas.

FINISHES: Brushed Nickel, Bronze, and White

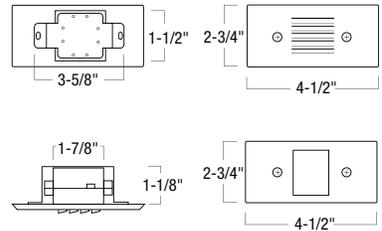
LISTING:

cULus Listed for Wet Location
 IP65 Rated (when used with watertight junction box and gasket)



LED STEP LIGHTS

LED Mini Step Lights with Optional Photocell



LED MINI STEP LIGHTS

FRAME TYPE	FINISHES
<ul style="list-style-type: none"> NSW-661 Louver Face Plate (includes Horizontal and Vertical) NSW-661PC Louver Face Plate with Photocell (includes Horizontal and Vertical) NSW-662 Lensed Face Plate NSW-662PC Lensed Face Plate with Photocell 	<ul style="list-style-type: none"> /BN Brushed Nickel /P Primer /W White

Example: **NSW-661PC/BN** - Mini LED Step Light with Photocell, Louver, Brushed Nickel finish

Nora's 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.

ELECTRICAL:

Voltage: 120VAC, 50/60Hz

CCT: 3000K

Power Consumption:

Standard: 1.44 Watts

With Photocell: 1.08 Watts

Life Expectancy: 30,000 Hours

Driver: 120V AC Integrated

LED Source: Twelve LEDs offer a total load of 1.44W (standard) or Nine LEDs with a total load of 1.08W (with Photocell), 3000K

INSTALLATION: Mounts in standard single gang box (by others).

RATED LIFE: 30,000 hours at 70% lumen maintenance

OPTIONAL PHOTOCELL: Photocell sensor comes pre-installed in step light's face. The energy saving dusk to dawn feature turns the LEDs on in the dark and off in the morning or the presence of light.

LENSED FACE PLATE: Lensed plates include a tempered glass face and can be mounted horizontally or vertically.

LOUVERED FACE PLATE: Louvered units include both a horizontal and vertical louver to be mounted horizontally or vertically.

APPLICATIONS: Hallways, entrances, stairways, wall bases, or any application requiring a low profile, recessed fixture providing safe illumination in indoor dark areas.

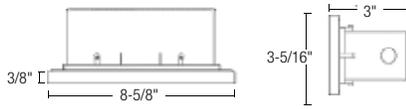
FINISHES: Brushed Nickel, Primer (ready to paint), and White

LISTING:
cULus Listed for Wet Location



LED STEP LIGHTS

LED Brick Lights



NSW-851/32W
shown with NSW-800

NSW-852/32BN
shown with NSW-800

NSW-853/32BZ
shown with NSW-800

Nora's new LED Brick Light 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.

FEATURES:

- 24 LEDs for even illumination
- 4W total consumption
- 2925 Kelvin temperature
- Die-cast aluminum face plates
- Integrated, embedded driver
- 120V
- cULus Listed for Wet Location / IP65



LED BRICK LIGHTS

FACE PLATE <i>each face, LED driver & platform requires an NSW-800 housing, ordered separately</i>	FINISHES
NSW-851/32 Louver Face Plate with LED Driver and Platform	/BN Brushed Nickel
NSW-852/32 Lensed Face Plate with LED Driver and Platform	/BZ Bronze
NSW-853/32 Shroud Face Plate with LED Driver and Platform	/W White

NSW-800 Wet Label housing (*Required for each face plate, ordered separately*)
NRA-6301 24-1/2" Adjustable hanger bar kit (*Set of 2; includes housing bracket*)

Example: NSW-852/32/W + NSW-800 - LED Brick Light, Lensed Face Plate, White finish and Housing

LED STEP LIGHTS

FRAME TYPE

- NSI-601** Louver Face Plate, White
- NSI-602** Frosted Lens Face Plate, White

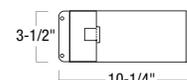
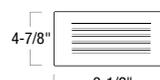
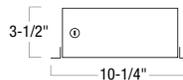
Example: NSI-601 - LED Step Light, White finish



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.

ELECTRICAL:

Voltage: 120VAC, 50/60Hz
Power Consumption: 2 Watts
Life Expectancy: 30,000 Hours
Driver: 120V AC Integrated

LED SOURCE: 18 LEDs offer a total load of 2W

RATED LIFE: 30,000 Hours at 70% lumen maintenance

HOUSING: Sturdy galvanized steel construction, white power coated housing. Side brackets for mounting to dry wall. Driver has separate compartment.

INSTALLATION: Bar hanger brackets accept flat bar hangers for installing to joist or stud constructions (Ordered separately). Two pre-held mounting plates for vertical walls.

MINIMUM CLEARANCE: Non-IC fixture requires a minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

SURFACE THICKNESS: Step Lights accept 5/8" standard drywall thickness.

JUNCTION BOX: Prewired junction box contains three 1/2" knockouts for an easy power feed.

APPLICATIONS: Hallways, entrances, stairways, wall bases, outdoors or any application requiring a low profile, recessed fixture providing safe illumination in indoor dark areas.

LISTING:
cULus Wet Location





LED Specialty Lighting

LINEAR · UNDER CABINET · ACCENT · NICHE



Nora's family of Specialty Lighting products for linear, accent, or discrete general lighting is limited in application only by the lighting designer's imagination. These fixtures are compact in design and meet various energy requirements while achieving desired lighting effects. Nora's specialty lighting can be specified in a variety of applications including, under cabinet, niche, display, cabinet, shelf, closet, furniture, cove, under bar top, toe-kick or other applications where drama and accent lighting are used to define a space. Linear applications are solved with LED Lightbar 90+, LED Lightbar Plus, LED LEDUC Undercabinet, LED Bravo Linear, LED Bravo Plus Linear, LED Tape Light, and LED Puck Lights. Nora's LED Specialty Lighting is an excellent choice for today's Green Energy Efficient Environment.

LED SPECIALTY LIGHTING OVERVIEW

LED LIGHTBAR PLUS AND LIGHTBAR 90+

24V High-output extruded aluminum low profile linear LED

LED LEDUC

120V LED Undercabinet

LED BRAVO PLUS AND BRAVO

120V Linear

LED STANDARD TAPE LIGHT

Flexible, wet label, damp label and side-lit tape available in 12V or 24V and six light output colors. 70 to 100 Lumens per foot, and 90+ CRI option

LED HY-BRITE TAPE LIGHT

24V Flexible Damp label tape. 200+ Lumens per foot, and 90+ CRI option

LED HIGH OUTPUT TAPE LIGHT

24V Flexible, damp label tape producing over 350 lumens per foot, and 90+ CRI option

LED RGB TAPE LIGHT

Flexible, wet label tape available in 12V or 24V and can change color at the press of a button

LED PUCK LIGHT

12V High performance, low energy, low profile, discrete light source

LED FLEX LIGHT

12V linear LED connected modules



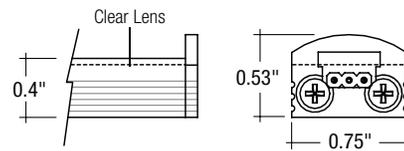
LED LIGHTBARS

24V LED Lightbar 90+ and LED Lightbar Plus



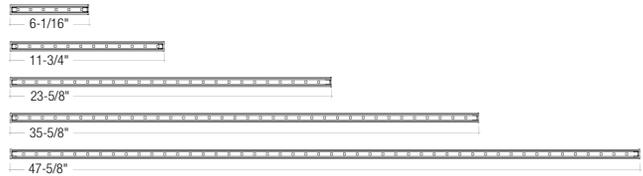
LED LIGHTBAR 90+ (245 Lumens / 4 Watts per foot)					90+ CRI
CATALOG NUMBER	LENGTH	WATTS	LUMENS	COLOR TEMP	FINISH
NULB-6LED9	6"	2	120+	30 3000K	A Aluminum
NULB-12LED9	12"	4	240+	42 4200K	BZ Bronze
NULB-24LED9	24"	8	440+		
NULB-36LED9	36"	12	700+		
NULB-48LED9	48"	16	900+		

Example: NULB-24LED942BZ - 24" LED Lightbar 90+, 4200K, Bronze finish



LED LIGHTBAR PLUS (425 Lumens / 8 Watts per foot)					
CATALOG NUMBER	LENGTH	WATTS	LUMENS	COLOR TEMP	FINISH
NULB-506LED	6"	4	210+	30 3000K	A Aluminum
NULB-512LED	12"	8	425+	42 4200K	BZ Bronze
NULB-524LED	24"	16	850+		
NULB-536LED	36"	24	1250+		
NULB-548LED	48"	32	1700+		

Example: NULB-506LED30A - 6" LED Lightbar Plus, 3000K, Aluminum finish



Nora introduces one of the most powerful LED linear low profile light sources on the market. The Lightbar Plus produces an incredible 425 plus lumens per foot while only consuming only 8 watts at an average CRI of 84. The Lightbar 90+ produces up to 245 lumens per foot with 90+ CRI. LED Lightbars can be used in under cabinet, in cabinet, cove, display, and general commercial, retail and residential lighting applications.

FEATURES:

- **Lightbar Plus:**
 - Over 425 Lms/foot using an average of 8W/foot
 - Up to 86 CRI using Nichia® LEDs
 - Up to 10' runs with 100W driver, 7' with 60W driver and 3' with 30W driver
- **Lightbar 90+:**
 - 90+ CRI (meets new Title 24 requirements)
 - Up to 245 Lumens per foot at 4.0W per foot
 - Up to 24' runs with 100W electronic driver or 20' runs with 96W magnetic driver

- 24V DC system
- 3000K Warm White or 4200K Cool White
- Easy installation with adjustable aiming mounting brackets
- Flush end connectors
- Dimmable with Dimmable Power Supply
- Lightbars and Class II Drivers rated for -20°C operation
- 30,000 hours of rated lamp life

HOUSING: Solid aluminum extrusion available in 5 different lengths, includes flush mounted end caps.

FINISH: Bronze (anodized) or Natural Aluminum.

MOUNTING: Each Lightbar includes flat and angled mounting clips allowing aiming angles from 0° to 65°.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and Hardwire Dimmable Class II Drivers. Drivers sold separately.

ELECTRICAL:

Power: 24V DC Input / 4 W per Foot (Lightbar 90+) / 24V DC Input / average 8 W per Foot (Lightbar Plus)
Light Source: 12 LEDs Per Foot
Operating Temperature: -20°C
Life Expectancy: 30,000 Hours of rated lamp life
Max Run Length: 24' (Lightbar 90+) or 10' (Lightbar Plus)

INCLUDED WITH EVERY LIGHTBAR:

- (2*) Flat Mounting Clips [NAL-201]
 - (2*) Angled Mounting Clips [NAL-245]
 - (1) End to End Connector [NAL-200]
- * 36" and 48" Lightbars include 3 mounting clips*

LISTINGS:

cULus Listed for Dry Location
 Title 24 Compliant
 California Energy Commission Certified
 3 Year Limited Warranty



LED LIGHTBARS

Accessories LED Lightbar 90+ and Lightbar Plus



Diffuser Lens

NAL-299/6	6" Diffuser Lens
NAL-299/12	12" Diffuser Lens
NAL-299/24	24" Diffuser Lens
NAL-299/36	36" Diffuser Lens
NAL-299/48	48" Diffuser Lens

Nora Lighting's lightbar diffuser lens softens the LED image and diffuses the light. The lens is available in multiple lengths, easily attaches to Nora LED Lightbars and does not increase overall depth or width.



In-Line Motion Sensor

NAL-230 24V DC

Finish: A Aluminum, BZ Bronze
The LED Lightbar motion sensor automatically turns on lightbar(s) and remains on until motion is not detected. Light can be set to remain on for 10 seconds up to 12 minutes. Mounts on low

voltage side of supply and can be attached to Lightbar or mounted remotely. Motion sensor accessory includes end to end connector, bar to bar joiner, flat mounting clip, adjustable mounting clip, and special power line interconnector* with in-line switch. Allows for direct wire control in pantries, closets, toe-ticks, work cabinets, armoires, self-service stations, etc.



In-Line Dimmer Control

NAL-255 24V DC

Finish: A Aluminum, BZ Bronze
The dimmer control mounts on the low voltage side of supply and can be attached to the Lightbar or mounted remotely. Tap to turn on/off and hold to dim. In-line dimmer control accessory

includes end to end connector, bar to bar joiner, flat mounting clip, and special power line interconnector*. Excellent for direct wire applications such as under-cabinets, work stations, cabinets, furniture, etc,



Dimmer

NAL-250

Can dim two separate runs simultaneously. Installs between Lightbar and Driver. Does not require power line interconnector.

Modes: Dimming, Auto-Fading, and Flashing

Includes:
(2) 6" Interconnection Cables [NAL-206], (2) End-to-End Connectors [NAL-200], On/Off Switch, and (6) mounting screws. Must be used with electronic driver.



End to End Connector

NAL-200

Finish: Black Insulator
Miniature interconnector for seamless end to end transitions. NAL-200 is included with every Lightbar.



Connector Retainer Clip

NAL-270

Holds Interconnection or Power Cables in place to protect against torque on the pins. Good for public use applications or where lightbar will be frequently moved, such as an adjustable shelf.



Mounting Clips

NAL-201 (BZ, C) Flat
Aiming Degree: 0°, 10°, 23°

NAL-245 (BZ, C) Angled
Aiming Degree: 45°, 53°, 65°

Two clips included with every Lightbar (three with 36" and 48" units).



Bar to Bar Joiner

NAL-225 (BZ, C)

Finish: Bronze, Chrome
Can be used to provide rigidity when joining two bars together. Has mounting holes.



Adjustable Mounting Clip

NAL-280 (BZ, C)

Aiming Degree: 180°
Easy flexible aiming. Extends 1" with bar installed at 90°

LED LIGHTBARS

LED Lightbar 90+ and Lightbar Plus Accessories



Interconnection Cables

NAL-202	2" Cable
NAL-206	6" Cable
NAL-218	18" Cable
NAL-238	38" Cable
NAL-258	58" Cable

Easy linking of two Lightbars in any direction.



Power Line Interconnector

NAL-208	20" Cable
NAL-208/72	72" Cable
NAL-212	12" with Switch

To connect Lightbar run directly to LED Driver



90° Power Line Interconnector

NAL-207	20" Cable
NAL-207/72	72" Cable

Allows for easy installation in a limited space application. Connects Lightbar run directly to driver.



Mini Power Feed Splitter

NAL-221

Finish: Black

Allows one driver to be split into 4 separate, simultaneous runs. Requires one interconnection cable for each Lightbar.

1-1/2" W x 0.8" L x 0.2" H



Mini Coupler

NAL-220

Finish: Black

Dim.: 3/8" W; 1/8" L; 3/16" D
Extends interconnection cables and power line interconnectors.



24V Dimmable Class II Remote Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage

NMTD-60/24D*	60W
NMTD-96/24D*	96W

Voltage: 24V DC

Input Voltage: 120/277 DC

Includes: 10' Power Line Connector (30' ordered separately)



24V Dimmable Class II Remote Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage

NMT-303/24C2D1	3x100W
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Voltage: 24V DC

Includes: (3) 10' Power Line Connectors (30' ordered separately)



Hardwired Class II EI. Driver

NATL-530HW*	30W
NATL-560HW*	60W

Voltage: 24V DC

Cable Length: 3-1/4"

Input Wire: 4"

NOTE: Requires NUSP-JBox for hardwire or NRA-6035 for plug in application; Power line interconnection cable to connect to Lightbar run except when used with NAL-250



Class II Electronic LED Driver

NATL-5100HW*	100W
---------------------	------

Voltage: 24V DC

Includes: hardwire box, 24V driver and 10' Power Line Connector. **Non-Dimmable**



Plug-In Electronic Driver

NATL-524*	24W 24V DC
NATL-545*	45W 24V DC

Voltage: 24V DC

Cable Length: 6 Feet

NATL-596* 96W 24V DC

Voltage: 24V DC

Input Wire: 5' Cord and Plug

Output Wire: 44" Out Wire



Low Voltage Splice Box

NATL-415W

Finish: White

Use to join Romex® low voltage lead to low voltage power line connector or interconnector.



Power Line Connector

NALTL-10 10' Cable

NALTL-30 30' Cable

To be used with NMT Series Class II LED Driver. Replaces included 10' lead wire, to allow for 30' or less length between run and LED Driver.



Flexible Power Cord

NRA-6035W/6 6' Cable

NRA-6035W/10 10' Cable

Used to convert NATL-530HW and NATL-560HW into a direct plug-in driver.



Junction Box for Hard Wiring

NUSP-JBox

To be used with NATL-530HW, NATL-560HW or NATL-5100 Drivers. Capable of feeding two separate runs. Accepts Romex®



Flexible Extension Cord

NRA-125/6 6" Cable

NRA-125/12 12" Cable

NRA-125/18 18" Cable

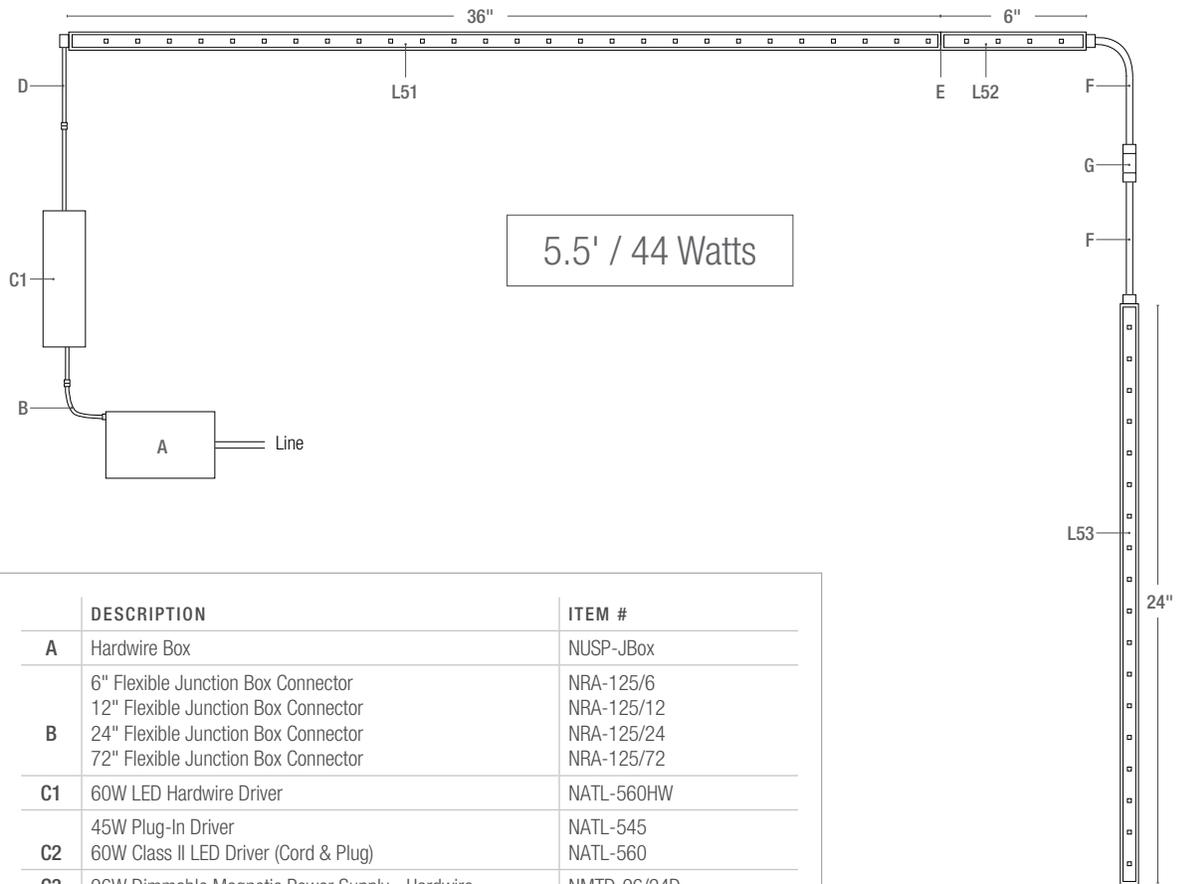
NRA-125/72 72" Cable

Extends length between NUSP-JBox and NATL-530HW & NATL-560HW. Can be joined to create custom lengths.

* Requires power line interconnector to power lightbar unless using NAL-230 or NAL-255

LED LIGHTBARS

Sample Layout LED Lightbar Plus

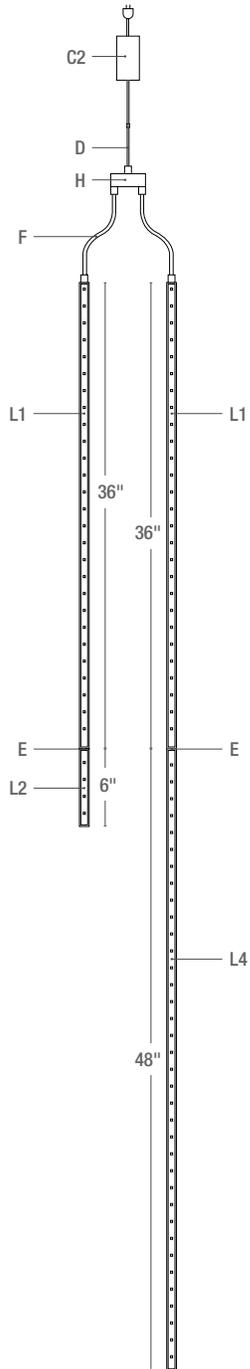


	DESCRIPTION	ITEM #
A	Hardwire Box	NUSP-JBox
B	6" Flexible Junction Box Connector	NRA-125/6
	12" Flexible Junction Box Connector	NRA-125/12
	24" Flexible Junction Box Connector	NRA-125/24
	72" Flexible Junction Box Connector	NRA-125/72
C1	60W LED Hardwire Driver	NATL-560HW
C2	45W Plug-In Driver	NATL-545
	60W Class II LED Driver (Cord & Plug)	NATL-560
C3	96W Dimmable Magnetic Power Supply - Hardwire	NMTD-96/24D
D	90° Power Line Interconnector (18" Cable)	NAL-207
	90° Power Line Interconnector (72" Cable)	NAL-207/72
	Straight Power Line Interconnector (18" Cable)	NAL-208
	Straight Power Line Interconnector (72" Cable)	NAL-208/72
	Straight Power Line Interconnector with Switch (11" Cable)	NAL-212
E	End-to-End Connector (included with each Lightbar)	NAL-200
F	2" Interconnection Cable	NAL-202
	6" Interconnection Cable	NAL-206
	18" Interconnection Cable	NAL-218
	38" Interconnection Cable	NAL-238
	58" Interconnection Cable	NAL-258
G	Mini Coupler	NAL-220
H	Mini Power Feed Splitter (1 in & 4 out)	NAL-221
I	10' Power Line Connector (included with NMT-60/24C2)	NALTL-10
	30' Power Line Connector	NALTL-30
L1	36" LED Lightbar	NULB-36LED9(Kelvin)(Finish)
L2	6" LED Lightbar	NULB-6LED9(Kelvin)(Finish)
L3	24" LED Lightbar	NULB-24LED9(Kelvin)(Finish)
L4	48" LED Lightbar	NULB-48LED9(Kelvin)(Finish)
L51	36" LED Lightbar Plus	NULB-536
L52	6" LED Lightbar Plus	NULB-506
L53	24" LED Lightbar Plus	NULB-524

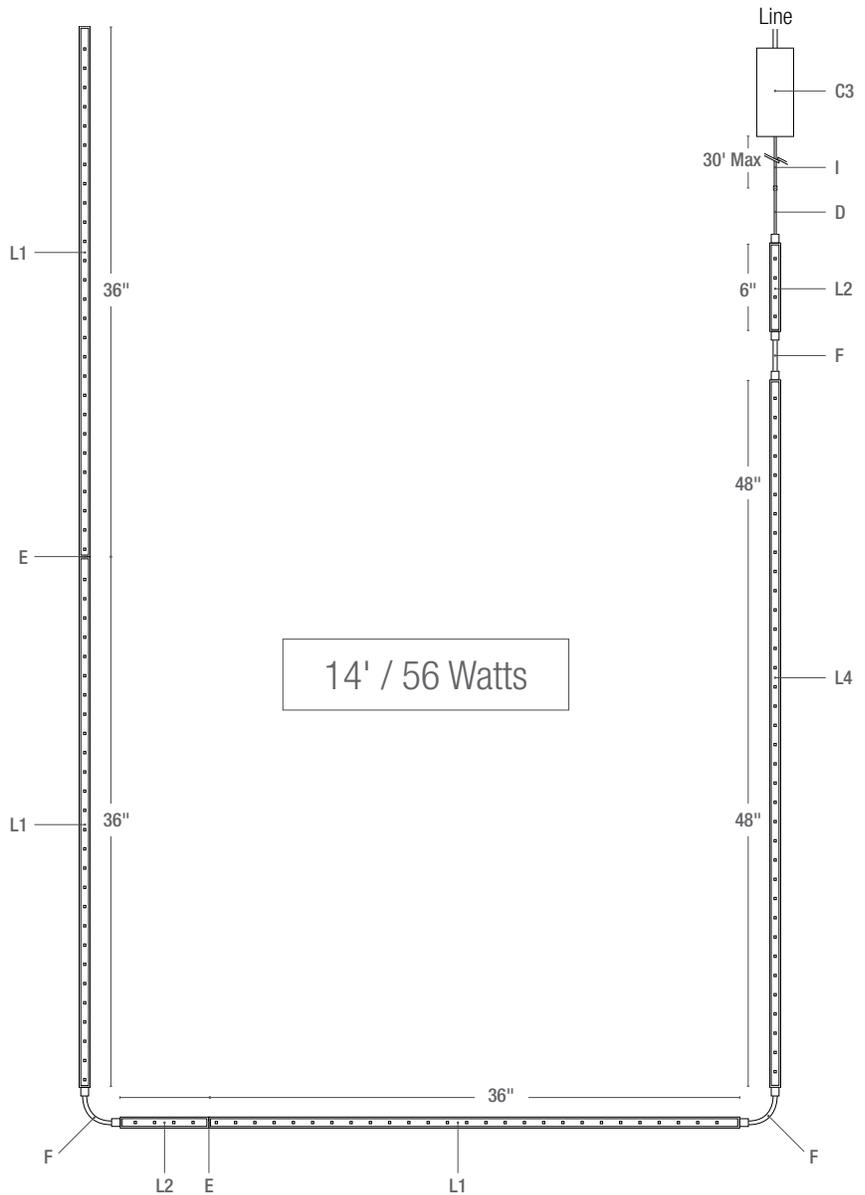
LED LIGHTBARS

LED Lightbar 90+ Sample Layout

10.5' / 42 Watts

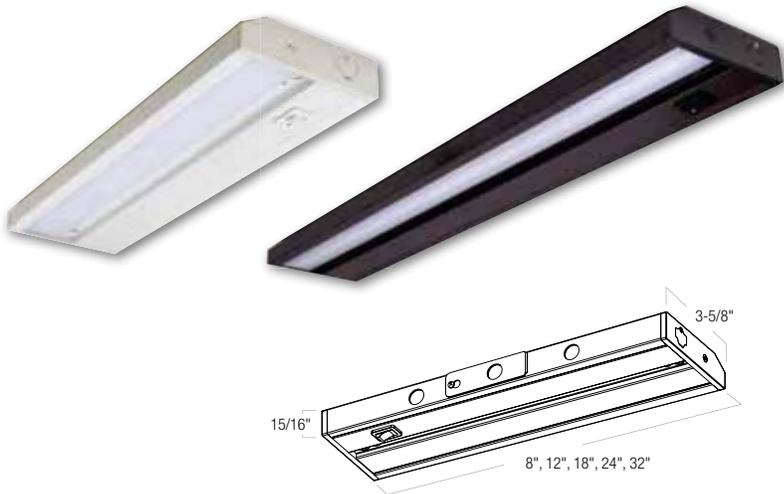


14' / 56 Watts



LED UNDER CABINET

LEDUC LED 120V Dimmable Integral Driver



The LEDUC series of undercabinet lighting is the most simple to use LED undercabinet system. The LEDUC allows for easy retrofitting of existing Fluorescent, Incandescent, Halogen, or Xenon undercabinet lights. LEDUC's built in LED driver, captive mounting screws, and large knockout plate in the back makes LEDUC easy to install in retrofit or new construction applications. A heavily frosted lens diffuses the LED image and softens the light output. Available in five sizes, two finishes, and warm 3000K or cool 4000K the New LEDUC LED Undercabinet is a designers choice for quality, energy efficient LED lighting.

FEATURES:

- 120V Dimmable
- 250 Lumens per ft
- 4 Watts per foot
- 3000K (Warm) and 4000K (Cool) color temperatures
- 80+ CRI Using Osram® LEDs
- Frosted Lens
- Built-in On/Off switch
- White or Bronze finishes
- Less than 1" in depth
- Self contained driver in each unit
- Each unit can be hardwired with Romex feed
- Each unit includes Romex™ Connector
- Easy to mount with captive screws
- Linkable up to 400 Watts

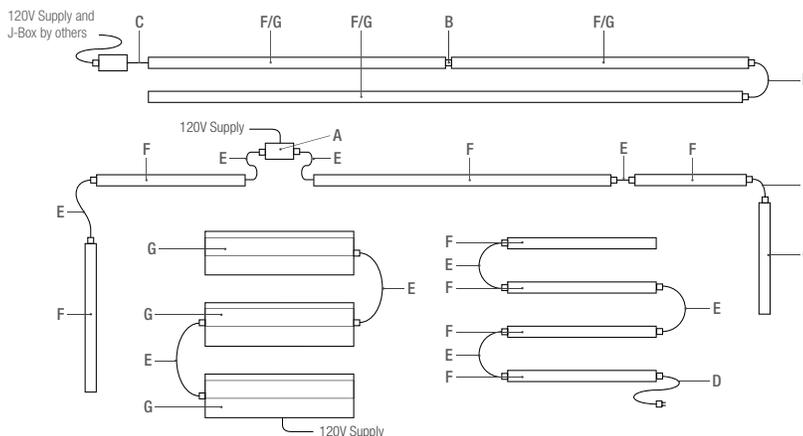
LEDUC LED UNDER CABINET LIGHT

CATALOG NO.	LENGTH	WATTAGE	COLOR TEMP	FINISH
NUD-7708(temp)(finish)	8"	2.8W	/30 3000K	BZ Bronze
NUD-7712(temp)(finish)	12"	4W	/40 4000K	W White
NUD-7718(temp)(finish)	18"	6W	4000K available in White finish only	
NUD-7724(temp)(finish)	24"	8W		
NUD-7732(temp)(finish)	32"	10W		

Example: **NUD-7712/30W**- 12" Leduc Under Cabinet Light, Warm 3000K, White finish



SAMPLE LAYOUT LEDUC, Bravo and Bravo Plus

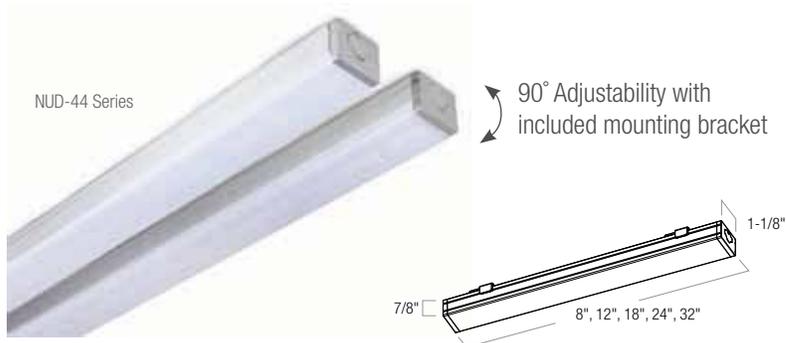


	DESCRIPTION	ITEM NO.
A	NUA-402	Bravo J-Box
B	NUA-403	End to End Connector
C	NUA-404	Hard-Wire Connector
D	NUA-405	Power Cord & Plug
E	NUA-406 NUA-412 NUA-424 NUA-472	6" Jumper Cable 12" Jumper Cable 24" Jumper Cable 72" Jumper Cable
F	NUD-44 Series NUD-48 Series	Series Bravo Plus Series
G	NUD-77 Series	LEDUC

LED LINEAR LIGHT

120V LED Bravo and Bravo Plus

Nora is proud to introduce Bravo and Bravo Plus 120V Dimmable LED linear lighting. The Bravo produces 250 lumens per foot while the Bravo Plus produces an incredible 500 lumens per foot. The small profile bars contain an encapsulated LED driver allowing for extended long runs. The heavily frosted lens diffuses the LED image and softens the light output. Available in high CRI 3000K and 4000K temperatures, the dimmable Bravo and Bravo Plus are an excellent specifiable energy efficient solution for commercial and residential linear lighting applications.



FEATURES:

- **Bravo:** 250 Lumens / 4 W per foot
- **Bravo Plus:** 500 Lumens / 8 W per foot
- 120V Dimmable
- Self contained driver in each unit
- 3000K (Warm) and 4200K (Cool) color temperatures
- 80+ CRI
- Using Osram LEDs®
- Frosted Lens
- Bronze, Silver or White finish
- Extruded Aluminum body
- Less than 1" in depth
- 0° to 90° mounting brackets included
- Linkable up to 400 Watts

BRAVO PLUS LED LINEAR LIGHT

CATALOG NO.	LENGTH	WATTAGE	COLOR TEMP	FINISH
NUD-4812(temp)(finish)	12"	8W	/30 3000K	BZ Bronze
NUD-4818(temp)(finish)	18"	12W	/40 4000K	W White
NUD-4824(temp)(finish)	24"	16W		

BRAVO PLUS LED LINEAR LIGHT

CATALOG NO.	LENGTH	WATTAGE	COLOR TEMP	FINISH
NUD-4408(temp)(finish)	8"	2.8W	/30 3000K	BZ Bronze
NUD-4412(temp)(finish)	12"	4W	/40 4000K	W White
NUD-4418(temp)(finish)	18"	6W		
NUD-4424(temp)(finish)	24"	8W		
NUD-4432(temp)(finish)	32"	10W		

Example: **NUD-4812/30W**- 12" Bravo Plus Linear Light, Warm 3000K, White finish



LEDUC, Bravo and Bravo Plus ACCESSORIES



NUD Series J-Box

NUA-402 BZ or W

Hardwire box used to power NUD Series using NUA-406/412/424/472 Jumper Cables and NUA-404 Hardwire Connector. Include on/off switch.

L: 6-1/4" W: 3-5/8" H: 1"

Note: LEDUC NUD-77 Series can be direct wired into fixture.



NUD Series Hardwire Connector

NUA-404 B or W

3-Wire grounded connector/cable used to hardwire NUD Series LED fixture to NUA-402 or J-Box.

NUD Series 72" Cord & Plug

NUA-405 B or W

Converts NUD Series from hardwire to direct plug-in units using connector pins on either end of NUD unit. Grounded plug.



NUD Series Connectors

NUA-403 end to end B or W

NUA-406 6" B or W

NUA-412 12" B or W

NUA-424 24" B or W

NUA-472 72" B or W

Used to join NUD Series LED fixtures together or to an NUA-402 J-box.



NUD Series Adjustable Mounting Brackets

NUA-409 set of 2

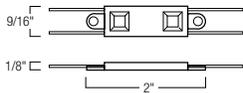
Brackets adjust from 0° to 90°. Two brackets are included with each Bravo and Bravo Plus unit.

LED FLEX LIGHT

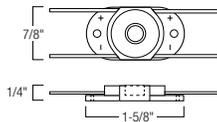
Module Strings 4 Styles



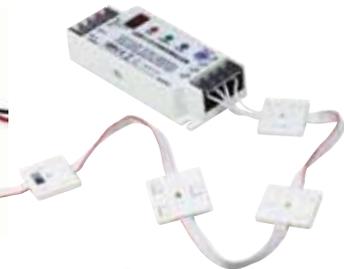
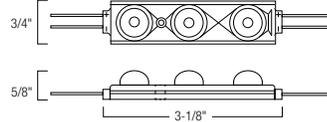
NUFLED-105
0.5 W



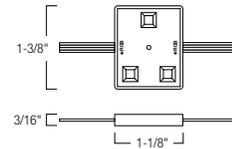
NUFLED-115
1.5 W



NUFLED-110
1.0 Watt



NUFLED-107RGB
0.72 W



LED FLEX LIGHT

CATALOG NO.	WATTS	LUMENS	O.C.	MAX RUN	COLOR TEMP
NUFLED-105(color)	0.5	39	6"	80pc	27 2700K 30 3000K
NUFLED-110(color)	1.0	105	6"	45pc	42 4200K 50 5000K 65 6500K
NUFLED-115(color)	1.5	129	5-3/8"	34pc	G Green R Red
NUFLED-107RGB	0.72	-	5-3/8"	70pc	RGB Color Changing

Example: **NUFLED-115/50** - 12V DC 1.5W LED Flex Light, 129 Lumens, 5000K Module

Standard pack consists of 50 modules. NUFLED series custom-cut is available. Each custom-cut incurs a termination assemble fee.

Nora's new long life, maintenance free, lower power consumption Flex-Light LED module strings are the perfect solution for back lighting or indirect lighting. The flexible strings can be installed using included double faced tape or screwed into place. The Flex-Light can be positioned to specifications of the job to evenly illuminate panels or architectural details. Excellent source to illuminate large sign letters, channel letter or lightbox.

FEATURES:

- 129 Lumens output 1.5W per module
- LED module strings allow flexibility
- Single color illumination or color changing RGB
- 120° beam angle
- No soldering
- Hardwire and Plug-In drivers
- Dimmable with dimmable power supply
- LED module strings come at specific On-Center (OC) spacing
- Easy to install with double faced tape or secure using screw holes provided in module
- 5 years limited warranty
- cULus Recognized



LED FLEX LIGHT Accessories and Drivers



12" Power Connector with Switch
NAFL-711B Black
NAFL-711W White
 Powers Flex-Light from drivers that have RCA jack.



18" Power Connector
NAFL-709B Black
NAFL-709W White
 Powers Flex-Light from drivers that have RCA jack.



Terminal Block
NDSA-2 Plastic, 10A
NDSA-4 Porcelain, 10A
NDSA-14 Porcelain, 30A
 Used to splice two runs together.



Flexible Extension Cord
NRA-125/6 6" Cable
NRA-125/12 12" Cable
NRA-125/18 18" Cable
NRA-125/72 72" Cable
 Use to extend length between NUSP-JBox and NAPK-530HW/12 or NAPK-560HW/12 can be joined to create custom lengths.



Flexible Power Cord
NRA-6035W/6 6' Cable
NRA-6035W/10 10' Cable
 Use to convert NAPK-530HW/12 or NAPK-560HW/12 into a direct plug-in driver.



Power Line Connector
NAPK-10 10' Cable
NAPK-30 30' Cable
 For use with NMT Series Class II LED Driver. Replaces included 10' lead wire, to allow for 30' or less length between run and LED Driver.



Electronic Class II 60W Hardwire Driver (non-dim)
NAFL-560HW 60W
Voltage: 12V DC



Elect. Class II Hardwired Driver
NAPK-530HW/12 30W
NAPK-560HW/12 60W
Voltage: 12V
Cable Length: 3-1/4"
Input Wire: 4"
Requires: NUSP-JBox for hardwire or NRA-6035 for plug in application; Power line interconnector cable to connect to Flex Light run.



Direct Plug-In EI. Driver
NAPK-524/12 24W
Voltage: 12V DC
Cable Length: 6 Feet
Requires: Power line interconnector cable to connect to Flex Light run.



Direct Plug-In EI. Driver
NAPK-550/12 50W
Voltage: 12V DC
Input Wire: 60"
Cord and Plug: 6 Feet
Requires: Power line interconnector cable to connect to Flex Light run.



Low Voltage Splice Box
NATL-415W
 Finish: White
 Use to join Romex® low voltage lead to low voltage power line connector or interconnector.



Junction Box for Hard Wiring
NUSP-JBox
 For use with NAPK-530HW/12 or NAPK-560HW/12. Capable of feeding two separate runs. Accepts Romex®



12V Dimmable Class II Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage
NMT-244/12C2D1 4x60W
Voltage: 12V DC
Includes: (4) 10' Power Line Connector (30' ordered separately)



12V Dimmable Class II Remote Hardwire Magnetic Driver with Integral Regulator for Constant Current & Voltage
NMTD-40/12D* 40W
NMTD-60/12D* 60W
Voltage: 24V DC
Input Voltage: 120/277 DC
***Includes:** (4) 10' Power Line Connector (30' ordered separately)



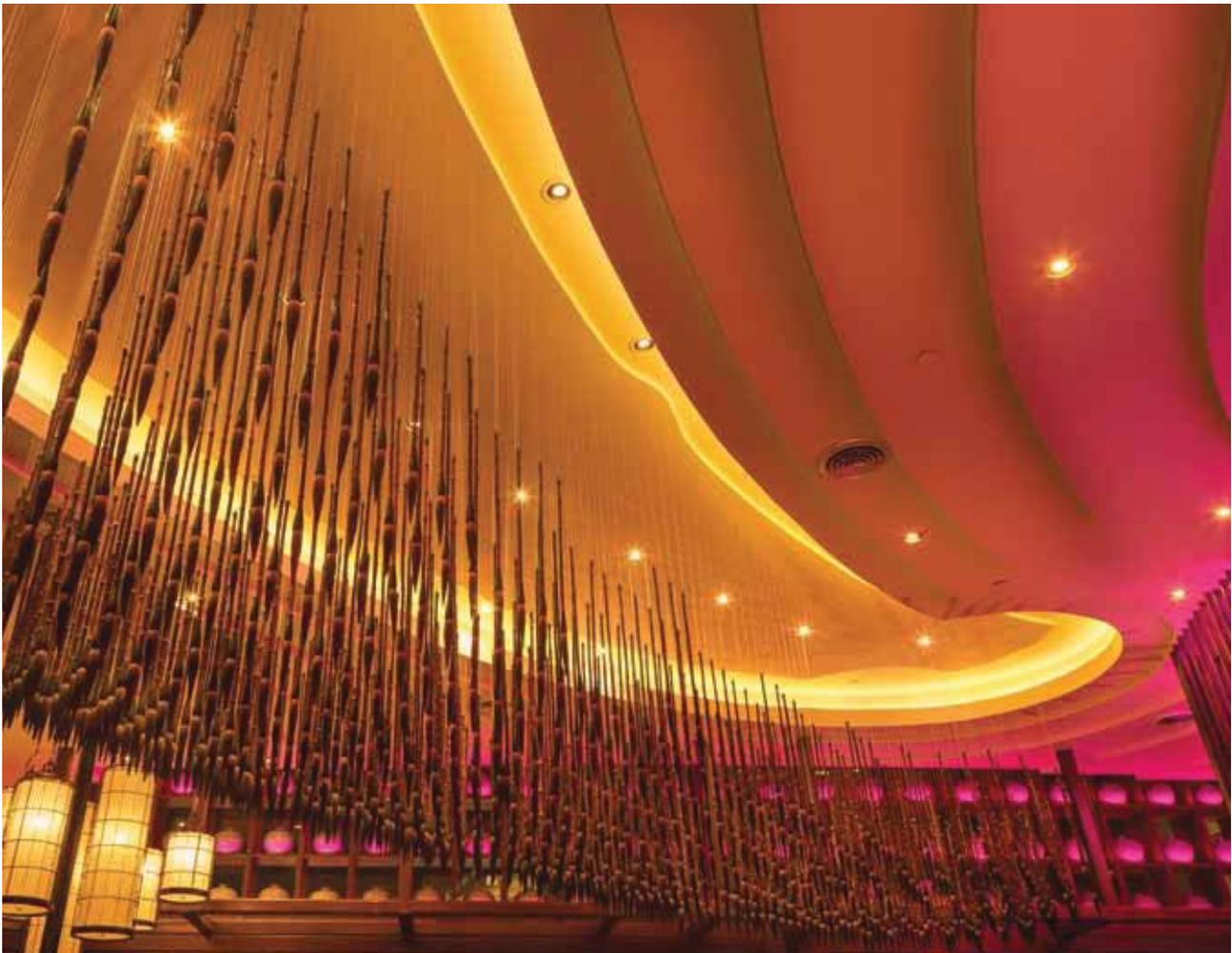
RGB Controller
NARGB-765 12V Controller
 360W Max. A controller is required for each RGB LED Flex Light run. Installs between the driver and the power line interconnector. The controller can be used to toggle between colors or changing modes.

LED Tape Light

LIGHTING DESIGN ONLY LIMITED BY YOUR IMAGINATION

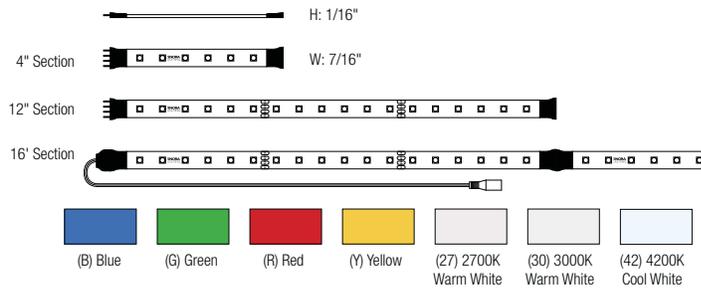
Nora Lighting offers one of the largest selections of LED tape light in the industry. The selection includes a wide variety of outputs and a large selection of installation accessories for large and small jobs. LED tape's small profile, even light distribution and low cost make it the specifier's and lighting designer's choice for lighting applications from A to Z . The Nora tape families are ideal solutions for:

- Coves
- Recessed niche lighting
- Display Cabinets
- Outdoor Living Area
- Undercabinet
- Furniture
- Stair rail
- Highlighting
- Toe Kicks
- Shelf
- Above cabinet
- Outlining
- Back lighting
- Signs
- Art work



LED TAPE LIGHT

12V and 24V Standard Wet Label



FEATURES:

- 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 6 colors: Blue, Green, Red, Yellow, Cool White (4200K), Warm White (3000K)
- Separable every 12", easily disconnect and connect without soldering
- Field cuttable every 2" on 12V and 4" on 24V
- Maximum run: Electronic Driver (24V) 66' with 100W driver, (12V) 40' with 60W driver
- Easy to install with pre-applied 3M™ tape, clips or channel
- Dimmable with dimmable power supply
- Exceeds Title 24 high efficacy requirements

STANDARD WET LABEL LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	90+ CRI	VOLT	LABEL	COLOR TEMP
NUTP1-16LED(color)	16' Roll	Amber	No	24V	Wet*	B Blue
NUTP1-LED(color)/12	12" Section	Amber	No	24V	Wet*	G Green
NUTP1-LED(color)/4	4" Section	Amber	No	24V	Wet*	R Red
NUTP4-16LED(color)	16' Roll	Amber	No	12V	Wet*	Y Yellow
NUTP4-LED(color)/12	12" Section	Amber	No	12V	Wet*	27 2700K
NUTP4-LED(color)/4	4" Section	Amber	No	12V	Wet*	30 3000K
NUTP1-16LED9(color)	16' Roll	White	Yes	24V	Wet*	42 4200K
NUTP1-LED9(color)/12	12" Section	White	Yes	24V	Wet*	27 2700K
NUTP1-LED9(color)/4	4" Section	White	Yes	24V	Wet*	30 3000K
NUTP1-16LED30PS	16" Roll Kit	Amber	No	24V	Wet*	42 4200K
NUTP4-16LED30PS	16" Roll Kit	Amber	No	12V	Wet*	3000K

Example: **NUTP1-16LEDB** - 16' Roll 24V Standard Tape Light, Wet Location Listed, Blue Color

16' Tape Rolls include sixteen 12" sections. Kit includes plug-in driver. 12" and 4" Tape sections contain male/female ends.

*Important - Consult Spec Sheets at www.noralighting.com for Limitations on Wet Location applications.

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 available in two styles, Wet Label*, IP65 rated silicone encapsulated tape, and Damp label* IP44 non-encapsulated tape.

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 Wet Label* tape has pre-applied shrink wrap around connections to ensure wet location listing. Simply slice the clear shrink wrap at each 12" connection, and separate male-female connectors. This eliminates soldering when using partial rolls.

TAPE LIGHT KIT: Complete kit for basic 16' installation. Includes: (1) 16' Tape Light Roll, (15) Clear Acrylic Clips, (1) 9" Power Line Interconnector, and (1) LED Plug-In Driver.

MOUNTING: Each Tape Light roll comes with 15 clear acrylic clips and also comes with pre-applied 3M™ adhesive tape for simple installation. Plastic channel (NATL-420) sold separately, also available.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and Dimmable Class II Drivers.

ELECTRICAL:

Power: 12V or 24V DC Input / 1.5 Watts Per Foot

Light Source: 18 LEDs per foot

Operating Temp.: -13° F to 140° F (-25°C to 60°C)

Life Expectancy: 50,000 Hours

Maximum Run Length: 64' using 24V Tape and 96W driver and 40' using 12V Tape and 60W Driver

INCLUDED WITH EVERY ROLL:

Each Tape Light Roll purchased includes a 9" power line connector [NATL-515 (12V) or NATL-509 (24V)], (15) clear acrylic clips, pre-applied 3M™ adhesive, and 16' tape consisting of 12" sections.

LISTINGS:

Consult spec sheet for current T24 status
cULus Listed for Wet Location (not submersible)
IP65 Rated

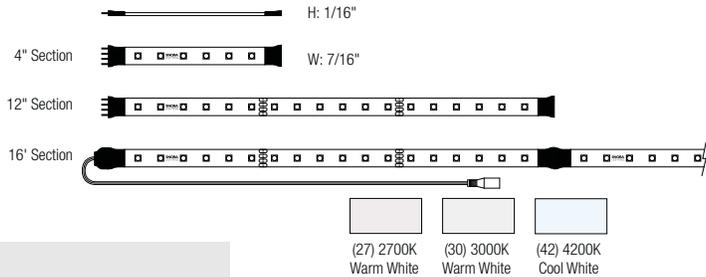
WARRANTY:

3 Year Limited Warranty



LED TAPE LIGHT

Standard Damp Label 24V



STANDARD DAMP LABEL LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	90+ CRI	VOLT	LABEL	COLOR TEMP
NUTP7-16LED(color)	16' Roll	Amber	No	24V	Damp*	27 2700K
NUTP7-W16LED(color)	16' Roll	White	No	24V	Damp*	30 3000K
NUTP7-W16LED9(color)	16' Roll	White	Yes	24V	Damp*	42 4200K
NUTP7-LED(color)/12	12" Section	Amber	No	24V	Damp*	
NUTP7-WLED(color)/12	12" Section	White	No	24V	Damp*	
NUTP7-WLED9(color)/12	12" Section	White	Yes	24V	Damp*	
NUTP7-LED(color)/4	4" Section	Amber	No	24V	Damp*	
NUTP7-WLED(color)/4	4" Section	White	No	24V	Damp*	
NUTP7-WLED9(color)/4	4" Section	White	Yes	24V	Damp*	
NUTP7-16LED30PS	16" Roll Kit	Amber	No	24V	Damp*	3000K
NUTP7-16WLED30PS	16" Roll Kit	White	No	24V	Damp*	3000K

Example: **NUTP7-WLED27/4** - 24V Standard Tape Light, 4" Section, Damp Location Listed, White Tape, 2700K

16" Tape Rolls include sixteen 12" sections. Kit includes plug-in driver. 12" and 4" Tape sections contain male/female ends. *Important - Consult Spec Sheets at www.noralighting.com for Limitations on Damp Location applications.

FEATURES:

- 70 Lumens per foot with 3000K CCT
- Available in 90+ CRI
- 288 LEDs / 24W per roll; 18 LEDs / 1.5W per foot
- 12V or 24V DC single color illumination
- Available in white or amber background with 3 color outputs: Cool White (4200K), Warm White (3000K), Warm White (2700K)
- Separable every 12", easily disconnect and connect without soldering
- Field cuttable every 4"
- Maximum run: Electronic Driver (24V) 66' with 100W driver
- Easy to install with pre-applied 3M™ tape, clips or channel
- Dimmable with dimmable power supply
- Exceeds Title 24 high efficacy requirements

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 available in two styles, Wet label*, IP65 rated silicone encapsulated tape, and Damp label* IP44 non-encapsulated tape.

CONSTRUCTION: The 24V tape is separable every 12", and can be cut every 4" at marked intervals. Cutting does not effect circuit.

TAPE LIGHT KIT: Complete kit for basic 16' installation. Includes: (1) 16' Tape Light Roll, (15) Clear Acrylic Clips, (1) 9" Power Line Interconnector, and (1) LED Plug-In Driver.

MOUNTING: Each Tape Light roll comes with 15 clear acrylic clips and also comes with pre-applied 3M™ adhesive tape for simple installation. Plastic channel (NATL-420) also available, sold separately.

DRIVER: A wide variety of drivers are available from

direct plug-ins, Class II, and Dimmable Class II Drivers.

ELECTRICAL:

Power: 24V DC Input / 1.5 Watts Per Foot
Light Source: 18 LEDs per foot
Operating Temp.: -13° F to 140° F (-25°C to 60°C)
Life Expectancy: 50,000 Hours
Maximum Run Length: 64' using 24V Tape and 96W driver

INCLUDED WITH EVERY ROLL:

Each Tape Light Roll purchased includes a 9" power line connector [NATL-515 (12V) or NATL-509 (24V)], (15) clear acrylic clips, pre-applied 3M™ adhesive, and 16' tape consisting of 12" sections.

LISTINGS:

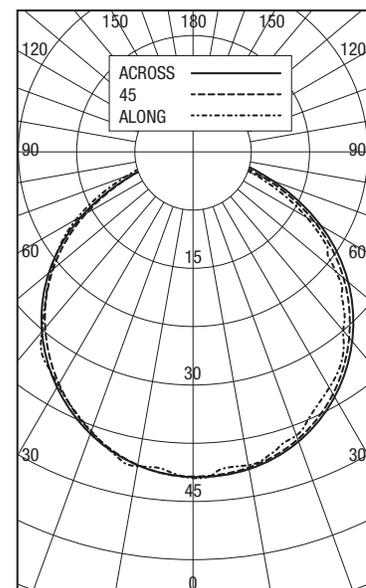
Consult spec sheet for current T24 status
 cULus Listed for Damp Location (not submersible)
 IP44 Rated

WARRANTY:

3 Year Limited Warranty



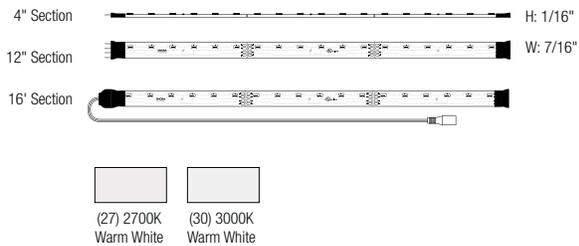
NUTP7-4200K Test No. 32740



*Important - Consult Spec Sheets at www.noralighting.com for limitation on Wet and Damp Location applications.

LED TAPE LIGHT

24V Side-Lit Damp Label



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 amber background with 2 color outputs: Warm White (3000K), Warm White (2700K)
- Separable every 12", easily disconnect and connect without soldering
- Field cuttable every 4"
- Maximum run:
Electronic Driver - 64' with 100W driver
- Easy to install with pre-applied 3M™ tape, clips or channel
- Dimmable with dimmable power supply
- Exceeds Title 24 high efficacy requirements

Nora's Side-Lit Tape projects to the side, parallel to the mounting surface.

SIDE-LIT DAMP LABEL LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	VOLT	LABEL	COLOR TEMP
NUTP9-16LED(color)	16' Roll	Amber	24V	Damp*	27 2700K 30 3000K

Example: **NUTP9-16LED30** - 24V Side-Lit Tape Light, 16' Roll, Damp Location Listed, 3000K

16' Tape Rolls include sixteen 12" sections.

*Important - Consult Spec Sheets at www.noralighting.com for Limitations on Damp Location applications.

Nora's new Side-Lit LED tape has the same performance features as the standard damp label tape, but instead of projecting the light at 90 degrees and a 120 degree beam spread 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". Our durable tape is Damp label* listed IP44.

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 roll comes with 15 clear acrylic clips and also comes with pre-applied 3M™ adhesive tape for simple installation. Plastic

channel (NATL-420) also available, sold separately.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and Dimmable Class II Drivers.

ELECTRICAL:

Power: 24V DC Input / 1.5 Watts Per Foot

Light Source: 18 LEDs per foot

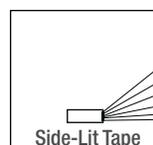
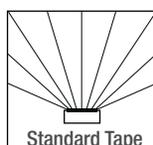
Operating Temp.: -13° F to 140°F (-25°C to 60°C)

Life Expectancy: 50,000 Hours

Maximum Run Length: 64' using 24V Tape and 96W driver

INCLUDED WITH EVERY ROLL:

Each Tape Light Roll purchased includes a 9" power line connector [NATL-509 (24V)], (15) clear acrylic clips, pre-applied 3M™ adhesive, and 16' tape consisting of 12" sections.



LISTINGS:

Consult spec sheet for current T24 status
cULus Listed for Damp Location (not submersible)
IP44 Rated

WARRANTY:

3 Year Limited Warranty



LED TAPE LIGHT

Standard Wet, Damp and Side-Lit Accessories and Drivers



Shrink Wrap Tube
NATL-400 Pack of 5

Seals connection made in the field. Necessary to maintain cULus Wet Listing. Two shrink wrap tubes are included with every Wet Series Tape Light roll and section.



Clear Acrylic Mounting Clips
NATL-401 Pack of 5

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. UV protected.



12V & 24V End Cap
NATL-403

Covers open end of LED Tape Light.



Power Line Interconnector
NATL-509 24V 9" Cable
NATL-515 12V 9" Cable

Connects any Tape Light run to a driver. (1) Power line interconnector is included with every Tape Light roll.



Power Line Interconnector with On/Off Switch
NATL-511 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.



12/24V Interconnection Cables
NATL-202 2" Cable
NATL-206 6" Cable
NATL-218 18" Cable
NATL-236 36" Cable
NATL-272 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.



12V & 24V Splitter Cable
NATL-300 "Y" Cable
NATL-301 "X" Cable

Allows splitting the Tape Light from a run or driver, into two or three separate runs.



Direct Plug-In El. Driver
NAPK-524/12 12V 24W
NATL-524 24V 24W
NATL-545 24V 45W

Voltage: 12V or 24V DC
Cable Length: 6 Feet
Requires: Power line interconnector cable to connect to Tape Light run.



12V Dimmable Class II Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage
NMT-36/12C2D1 36W
NMT-60/12C2D1 60W
NMT-244/12C2D1* 4x60W
NMTD-40/12D 40W
NMTD-60/12D 60W

Voltage: 12V DC
Includes: 10' Power Line Connector
***Includes:** (4) 10' Power Line Connectors (30' ordered separately)



24V Dimmable Class II Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage
NMT-303/24C2D1* 3x100W
NMTD-60/24D 60W
NMTD-96/24D 96W

Voltage: 24V DC
Includes: 10' Power Line Connector
***Includes:** (3) 10' Power Line Connectors (30' ordered separately)



Power Line Connector
NAPK-10 12V 10' Cable
NAPK-30 12V 30' Cable
NALTL-10 24V 10' Cable
NALTL-30 24V 30' Cable

For use with NMT Series Class II LED Driver. Replaces included 10' lead wire, to allow for 30' or less length between run and LED Driver.



Hardwired Class II El. Driver
NAPK-530HW/12 12V 30W
NAPK-560HW/12 12V 60W
NATL-530HW 24V 30W
NATL-560HW 24V 60W

Voltage: 12V or 24V DC
Cable Length: 3-1/4"
Input Wire: 4"
Requires: NUSP-JBox for hardwire or NRA-6035 for plug in application; Power line interconnector cable to connect to Tape Light run.



Class II Elec. LED Driver
NATL-596 24V 96W
NAPK-550/12 12V 50W

Input Wire: 5' Cord and Plug
Output Wire: 44" Out Wire



Class II Elec. LED Driver (Non Dimmable)
NATL-5100HW 24V 100W

Includes hardwire box and 10' Power Line Connector.

LED TAPE LIGHT

Accessories and Drivers **Standard Wet, Damp and Side-Lit**



Low Voltage Splice Box

NATL-415W

Finish: White

Use to join Romex® low voltage lead to low voltage power line connector or interconnector.



Junction Box for Hard Wiring

NUSP-JBox

Use with NAPK-530HW/12, NAPK-560HW/12, NATL-530HW, NATL-560HW or NATL-5100 Drivers. Capable of feeding two separate runs. Accepts Romex®



Flexible Extension Cord

NRA-125/6 6" Cable

NRA-125/12 12" Cable

NRA-125/18 18" Cable

NRA-125/72 72" Cable

Extends length between NUSP-JBox and NAPK-530HW/12, NAPK-560HW/12, NATL-530HW & NATL-560HW. Can be joined together to create custom lengths.

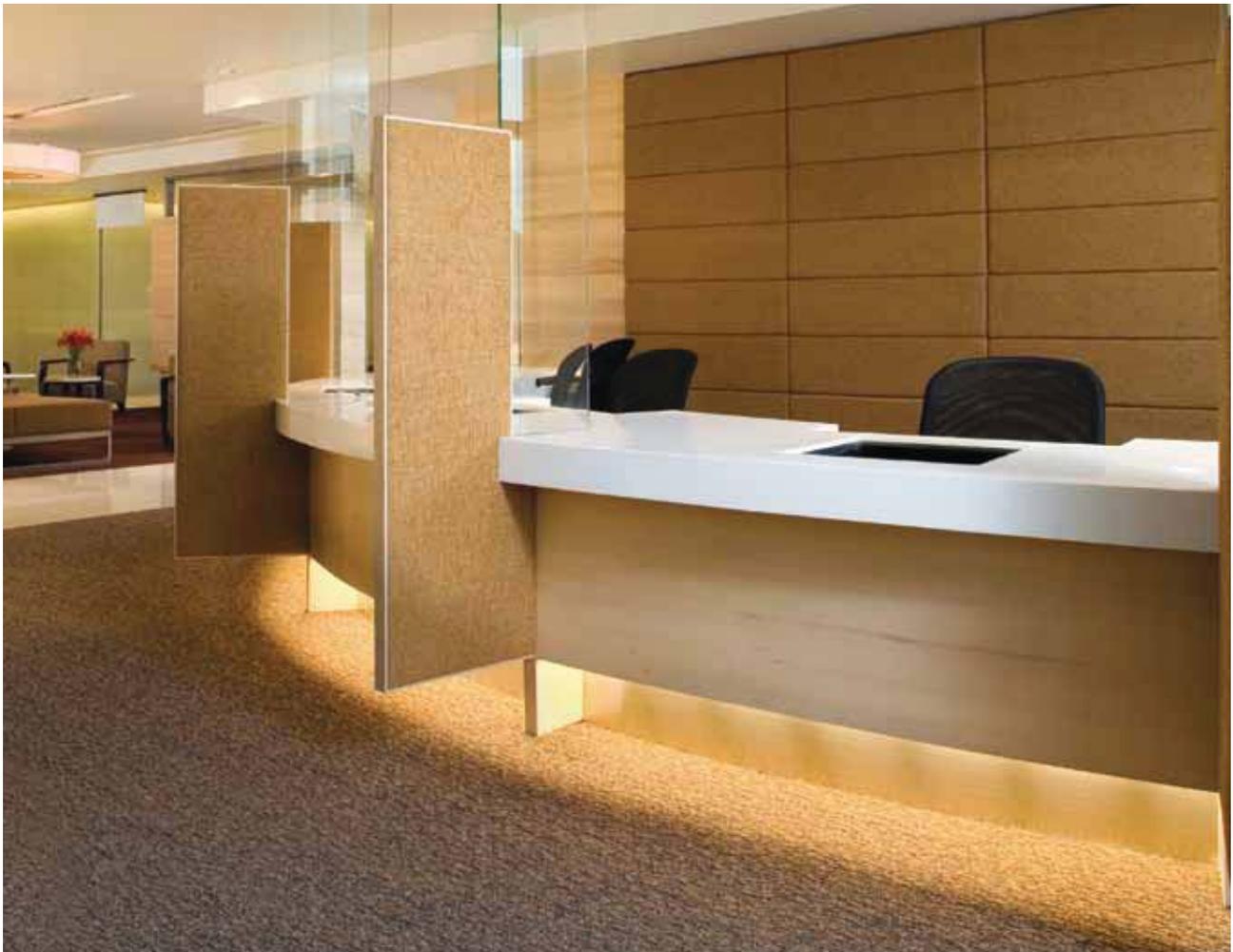


Flexible Power Cord

NRA-6035W/6 6' Cable

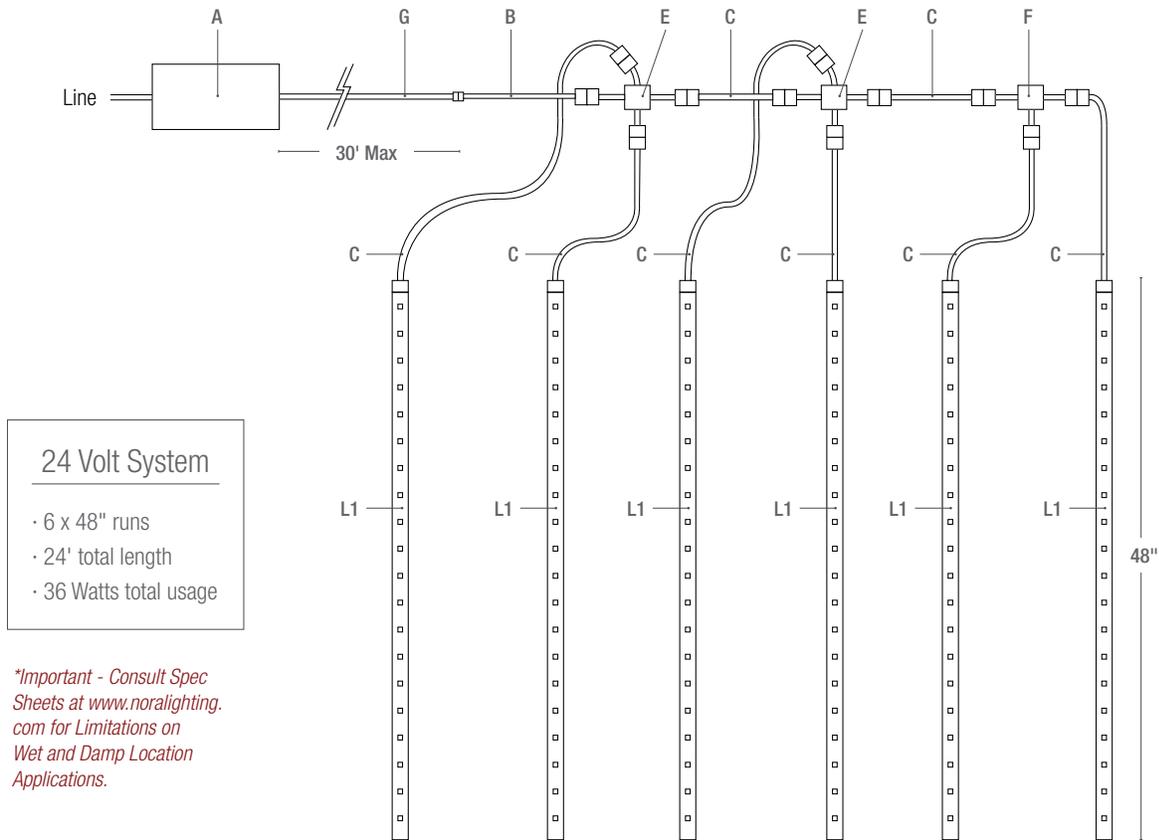
NRA-6035W/10 10' Cable

Converts NAPK-530HW/12, NAPK-560HW/12, NATL-530HW and NATL-560HW into a direct plug-in driver.



LED TAPE LIGHT

Standard and Side-Lit Sample Layout



24 Volt System

- 6 x 48" runs
- 24' total length
- 36 Watts total usage

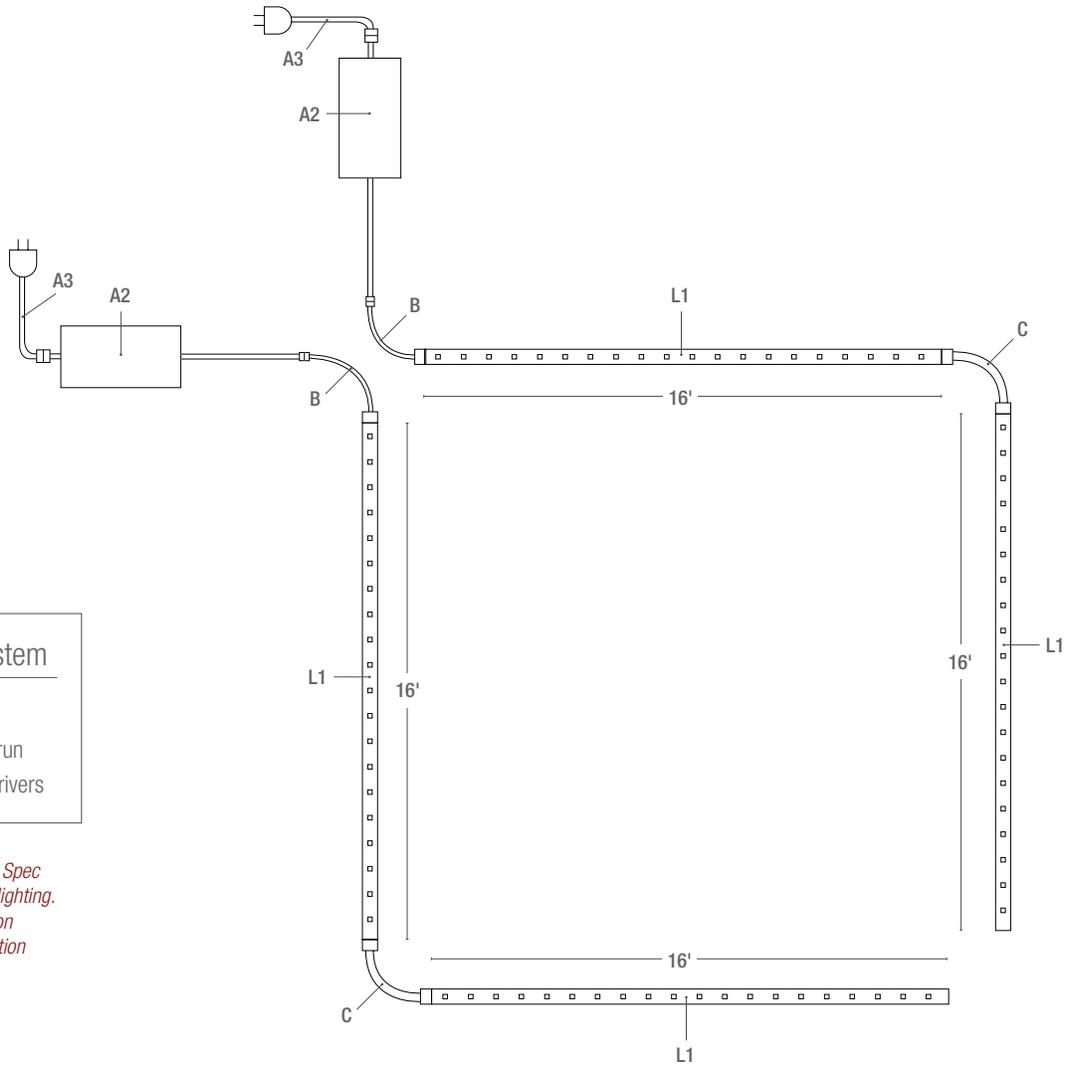
**Important - Consult Spec Sheets at www.noralighting.com for Limitations on Wet and Damp Location Applications.*

	DESCRIPTION	ITEM #
A1	24V 48W Dimmable Magnetic Power Supply - Hardwire	NMT-48/24C2D1
B	9" Power Line Interconnector (one included with each Tape Light roll)	NATL-509
C	2" Interconnection Cable	NATL-202
	6" Interconnection Cable	NATL-206
	18" Interconnection Cable	NATL-218
	36" Interconnection Cable	NATL-236
	72" Interconnection Cable	NATL-272
E	"X" Splitter Cable (1 in & 3 out)	NATL-301
F	"Y" Splitter Cable (1 in & 2 out)	NATL-300
G	30' Power Line Connector	NALTL-30
L1	48" LED Tape Light Segment (Each NUTP(1, 7 or 9)-16LED Roll contains (16) 12" detachable sections)	(1) NUTP(1, 7 or 9)-16LED(color) and (8) NUTP(1, 7 or 9)-LED(color)/12

*Note: All drivers require power line interconnector to connect to tape.

LED TAPE LIGHT

Sample Layout Standard and Side-Lit



24 Volt System

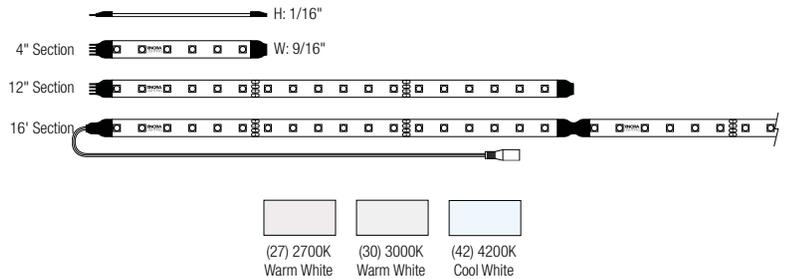
- 2 x 30' runs
- 48 Watts per run
- 2 x 60 Watt Drivers

**Important - Consult Spec Sheets at www.noralighting.com for Limitations on Wet and Damp Location Applications.*

	DESCRIPTION	ITEM #
A2	24V 60W Class II Hardwire LED Driver	NATL-560HW
A3	Flexible 6' Power Cord	NRA-6035W/6
B	9" Power Line Interconnector (one included with each Tape Light roll)	NATL-509
C	2" Interconnection Cable	NATL-202
	6" Interconnection Cable	NATL-206
	18" Interconnection Cable	NATL-218
	36" Interconnection Cable	NATL-236
	72" Interconnection Cable	NATL-272
L1	16' LED Tape Light Roll (Disconnect every 12" or can be cut every 4", contains (16) 12" segments)	(4) NUTP(1, 7 or 9)-16LED(color)

LED TAPE LIGHT

24V Hy-Brite 200 Lumens per foot



FEATURES:

- 200+ Lumens per foot
- Available in 90+ CRI
- 44W per roll - 2.7W per foot
- 24V DC System
- Available in Amber or White finished tape
- Single color illumination
- 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
- Single Maximum Run Length: 16' with magnetic dimmable drivers and 32' with electronic drivers
- Dimmable with dimable power supply
- Easy to install with pre-applied 3M™ tape or clips
- Title 24 Compliant
- cETLus Listed and IP44 Rated for Damp* location

HY-BRITE LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	90+ CRI	VOLT	LABEL	COLOR TEMP
NUTP5-16LED(color)	16' Roll	Amber	No	24V	Damp*	27 2700K
NUTP5-W16LED(color)	16' Roll	White	No	24V	Damp*	30 3000K
NUTP5-W16LED9(color)	16' Roll	White	Yes	24V	Damp*	42 4200K
NUTP5-LED(color)/12	12" Section	Amber	No	24V	Damp*	
NUTP5-WLED(color)/12	12" Section	White	No	24V	Damp*	
NUTP5-WLED9(color)/12	12" Section	White	Yes	24V	Damp*	
NUTP5-LED(color)/4	4" Section	Amber	No	24V	Damp*	
NUTP5-WLED(color)/4	4" Section	White	No	24V	Damp*	
NUTP5-WLED9(color)/4	4" Section	White	Yes	24V	Damp*	

Example: **NUTP5-LED42/4** - 24V Hy-Brite LED Tape Light, 4" Section, Damp Location Listed, 4200K

*Important - Consult Spec Sheets at www.noralighting.com for Limitations on Damp Location applications.

Nora's new Hy-Brite LED Tape is the perfect solution when you need more light than Nora's Standard LED Tape but less than Nora's High Performance High-Output LED Tape. Producing 200+ lumens, Damp Label* IP44 cULus listed the Hy-Brite uses the same connectors and accessories as the H0 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.

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 roll comes with with pre-applied 3M™ adhesive tape and 15 clear acrylic clips for simple installation.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and Hardwire Dimmable Class II Drivers up to 300 Watts.

ELECTRICAL:

Power: 24V DC Input / 2.7 Watts Per Foot
Light Source: 12 Hy-Brite LEDs Per Foot
Operating Temp: -25°C to 60°C (-13° F to 140° F)
Life Expectancy: 50,000 Hours
Single Maximum Run Length: 16' with magnetic dimmable drivers and 32' with electronic drivers

INCLUDED WITH EVERY HY-BRITE TAPE

LIGHT ROLL: Each Tape Light purchased includes a 12" power line connector [NAHO-609], (15) clear acrylic clips, pre-applied 3M™ adhesive, and 16' tape consisting of (16) 12" sections.

LISTINGS:

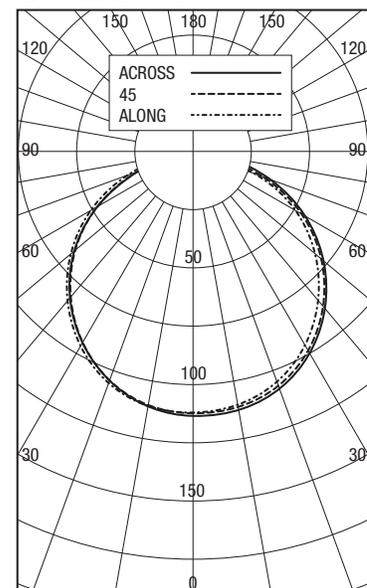
cULus Listed for Damp* Location
 IP44 Rated
 Consult spec sheet for current T24 status

WARRANTY:

3 Year Limited Warranty



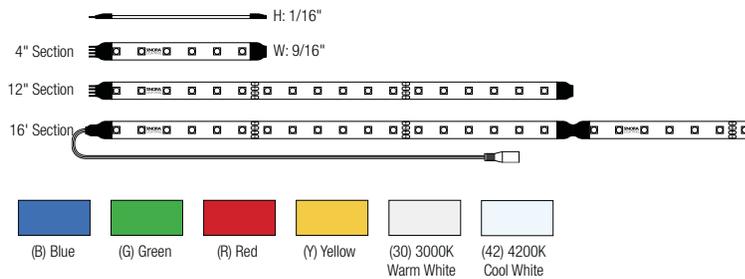
NUTP5-3000K Test No. 33100



*Important - Consult Spec Sheets at www.noralighting.com for limitation on Wet and Damp Location applications.

LED TAPE LIGHT

350 Lumens per foot 24V High Output



HIGH OUTPUT LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	90+ CRI	VOLT	LABEL	COLOR TEMP
NUTP8-10LED(color)	10' Roll	Amber	No	24V	Damp*	B Blue
NUTP8-W10LED(color)	10' Roll	White**	No	24V	Damp*	G Green
NUTP8-W10LED9(color)	10' Roll	White**	Yes	24V	Damp*	R Red
NUTP8-LED(color)/12	12" Section	Amber	No	24V	Damp*	Y Yellow
NUTP8-WLED(color)/12	12" Section	White**	No	24V	Damp*	30 3000K
NUTP8-WLED9(color)/12	12" Section	White**	Yes	24V	Damp*	42 4200K
NUTP8-LED(color)/4	4" Section	Amber	No	24V	Damp*	
NUTP8-WLED(color)/4	4" Section	White**	No	24V	Damp*	
NUTP8-WLED9(color)/4	4" Section	White**	Yes	24V	Damp*	

Example: **NUTP8-LED42/4** - 24V High Output LED Tape Light, 4" Section, Damp Location Listed, 4200K

10' Tape Rolls include ten 12" sections. 12" and 4" Tape sections contain male/female ends.

*Important - Consult Spec Sheets at www.noralighting.com for Limitations on Damp Location applications.

** White tape only available in 3000K and 4200K colors.

FEATURES:

- 350 Lumens per foot
- Available in 90+ CRI
- 180 LEDs / 42W per roll - 18 LEDs / 4.2W per ft.
- 24V DC System
- 6 available colors: Blue, Green, Red, Yellow, Cool White (4200K), Warm White (3000K)
- Available in Amber or White finished tape
- 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' single run maximum
- Dimmable Remote Hardwire Drivers, up to 300W
- Easy to install with pre-applied 3M™ tape or clips
- Title 24 Compliant
- cETLus Listed and IP44 Rated for Damp* location

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. This flexible LED light source is cULus Listed for Damp* Location applications and IP44 rated.

CONSTRUCTION: The silicone encapsulated 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 roll comes with with pre-applied 3M™ adhesive tape and 15 clear acrylic clips for simple installation.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and Hardwire Dimmable Class II Drivers up to 300 Watts.

ELECTRICAL:

Power: 24V DC Input / 4 Watts Per Foot

Light Source: 18 High Output LEDs Per Foot

Operating Temp: -25°C to 60°C (-13° F to 140° F)

Life Expectancy: 50,000 Hours

Maximum Run Length: 10'

INCLUDED WITH EVERY HIGH OUTPUT TAPE

LIGHT ROLL: Each Tape Light purchased includes a 12" power line connector [NAHO-609], (15) clear acrylic clips, pre-applied 3M™ adhesive, and 10' tape consisting of (10) 12" sections.

LISTINGS:

cULus Listed for Damp* Location

IP44 Rated

Consult spec sheet for current T24 status

WARRANTY:

3 Year Limited Warranty



LIGHTING TIP

Many of the Nora series of LED tape are offered in amber or white color. In general the output is the same and we recommend using the amber on dark surfaces and the white on lighter surfaces if there is a chance the tape will be seen.

LED TAPE LIGHT

Hy-Brite and High Output Accessories and Drivers



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 Hy-Brite and High Output Tape Light roll.



4' Aluminum Channel
NATHR-680

Mounts Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable. Can be used with NAL-201, NAL-245 or NAL-280 Lightbar mounting clips.



End Cap
NATL-403

Covers open end of Hy-Brite and High Output Tape Light.



Power Line Interconnector
NAHO-609

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-611

Allows individual switching on any Hy-Brite and High Output Tape Light run, and connect the LED tape light run to an LED driver.



Interconnection Cables
NAHO-602 2" Cable
NAHO-606 6" Cable
NAHO-618 18" Cable
NAHO-636 36" Cable
NAHO-672 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.



Y-Splitter Cable
NAHO-600 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-601 X Cable

Allows splitting Hy-Brite & High Output Tape light from a run or driver into two or three separate runs.



Power Line Connector
NATL-10 10' Cable
NATL-30 30' Cable

Used with NMT Series Class II LED Driver. Replaces included 10' lead wire, to allow for 30' or less length between run and LED Driver.



Low Voltage Splice Box
NATL-415W

Finish: White
Joins Romex® low voltage lead to low voltage power line connector or interconnector.



24V Dimmable Class II Remote Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage
NMTD-60/24D 60W
NMTD-96/24D 96W

Voltage: 24V DC
Input Voltage: 120/277 DC
Includes: 10' Power Line Connector (30' ordered separately)



24V Dimmable Class II Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage
NMT-303/24C2D1 3x100W

Voltage: 24V DC
Includes: (3) 10' Power Line Connectors (30' ordered separately)



24V Hardwire Electronic Driver (Non Dimmable)
NATL-5100HW 100W

Includes hardwire box, 100W 24V Driver, and 10' Power Line Connector
Voltage: 24V DC



Hardwired Class II Electronic Driver
NATL-530HW 30W
NATL-560HW 60W

Voltage: 24V DC
Cable Length: 3-1/4"
Input Wire: 4"



Class II Electronic LED Driver
NATL-596 96W

Voltage: 24V DC
Input Wire: 5' Cord and Plug
Output Wire: 44" Out Wire

*Note: All drivers require NAHO-609 OR NAHO-611 power line interconnector to connect to High Output Tape Light.

LED TAPE LIGHT Accessories and Drivers Hy-Brite and High Output



Direct Plug-In Electronic Driver

NATL-524	24W
NATL-545	45W

Voltage: 24V DC
Cable Length: 6 Feet



Junction Box for Hard Wiring

NUSP-JBox

Use with NATL-530HW, NATL-560HW or NATL-5100 Drivers. Capable of feeding two separate runs. Accepts Romex®



Flexible Extension Cord

NRA-125/6	6" Cable
NRA-125/12	12" Cable
NRA-125/18	18" Cable
NRA-125/72	72" Cable

Extends length between NUSP-JBox and NATL-530HW & NATL-560HW. Can be joined together to create custom lengths.



Flexible Power Cord

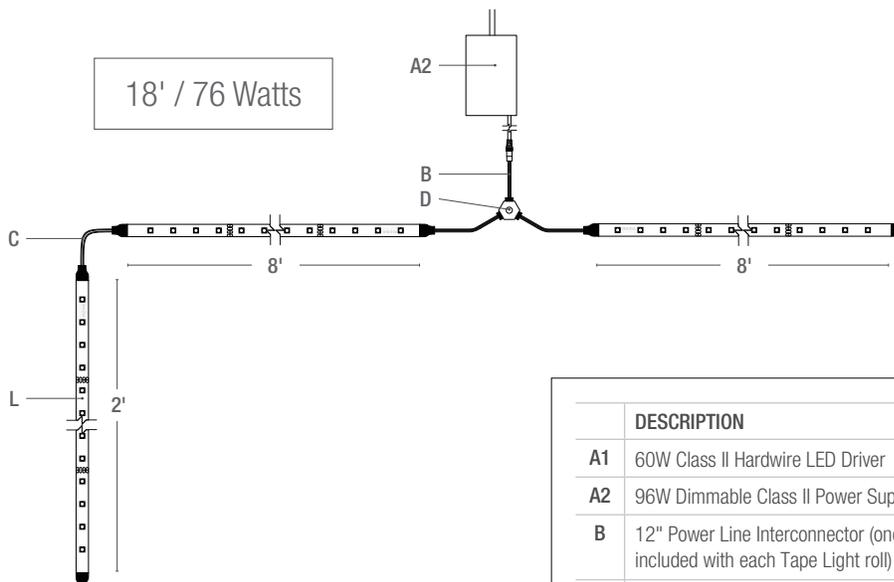
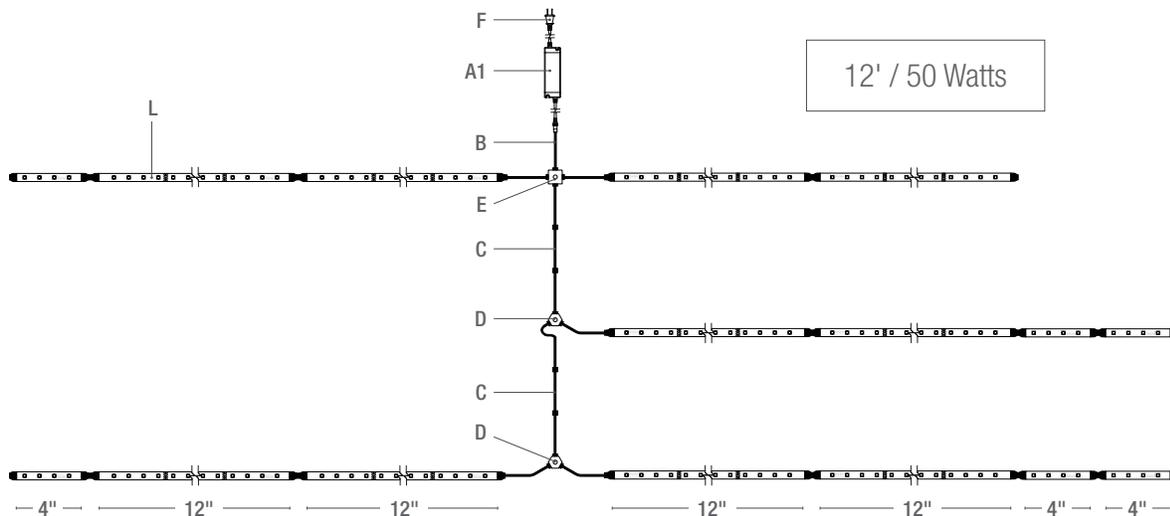
NRA-6035W/6	6' Cable
NRA-6035W/10	10' Cable

Converts NATL-530HW and NATL-560HW into a direct plug-in driver.



LED TAPE LIGHT

Hy-Brite and High Output Sample Layout



**Important - Consult Spec Sheets at www.noralighting.com for Limitations on Wet and Damp Location Applications.*

	DESCRIPTION	ITEM #
A1	60W Class II Hardwire LED Driver	NATL-560HW
A2	96W Dimmable Class II Power Supply	NMT-96/24C2D1
B	12" Power Line Interconnector (one included with each Tape Light roll)	NAHO-609
C	2" Interconnection Cable	NAHO-602
	6" Interconnection Cable	NAHO-606
	18" Interconnection Cable	NAHO-618
	36" Interconnection Cable	NAHO-636
	72" Interconnection Cable	NAHO-672
D	"Y" Splitter Cable	NAHO-600
E	"X" Splitter Cable	NAHO-601
F	Flexible 6' Power Cord	NRA-6035W/6
L	4" High Output LED Tape Light	NUTP5-LED(color)/4
	12" High Output LED Tape Light	NUTP5-LED(color)/12
	16" High Output LED Tape Light	NUTP5-16LED(color)

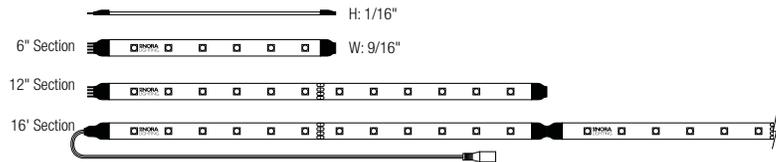


LED TAPE LIGHT

RGB Color Changing 12V or 24V; Wet Label

RGB LED Tape can 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.*



RGB COLOR CHANGING LED TAPE LIGHT					
CATALOG NO.	LENGTH	TAPE COLOR	VOLT	LABEL	COLOR TEMP
NUTP3-16LEDRGB	16' Roll	Amber	24V	Wet*	Color Changing RGB
NUTP3-LEDRGB/12	12" Section	Amber	24V	Wet*	
NUTP3-LEDRGB/6	6" Section	Amber	24V	Wet*	
NUTP6-16LEDRGB	16' Roll	Amber	12V	Wet*	
NUTP6-LEDRGB/12	12" Section	Amber	12V	Wet*	
NUTP6-LEDRGB/6	6" Section	Amber	12V	Wet*	

Example: NUTP3-16LEDRGB - 24V RGB LED Tape Light Roll

16' Tape Rolls include sixteen 12" sections. 12" and 6" Tape sections contain male/female ends.

**Important - Consult Spec Sheets at www.noralighting.com for Limitations on Damp Location applications.*

FEATURES:

- Now available in 12V or 24V
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 3" using 12V and 6" using 24V
- Shrink Wrap Tube at each Breakaway
- 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
- Pre-applied 3M™ Tape for mounting
- No UV light or infrared wavelengths

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. Very low profile RGB LED Tape Light is a great use in show exhibition lighting, architectural enhancements, bars, theaters, store fronts, or anywhere you need a punch of color. Controller needed to operate color variations. This flexible LED light source is a durable silicone encapsulated tape, cULus Listed for Wet* Locations applications and IP65 rated.

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 to ensure wet*

location listing. 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 roll comes with 15 clear acrylic clips and also comes with pre-applied 3M™ adhesive tape for simple installation.

DRIVER: A wide variety of drivers are available from direct plug-ins, Class II, and hardwire power supplies are available.

CONTROLLER: Each run requires a controller, which can be linked together for color synchronization. The controller can be controlled locally or with an optional hand held remote.

ELECTRICAL:
Power: 12V or 24V DC Input / 2.5 Watts per Foot
Light Source: 12 LEDs per foot
Operating Temp: -25°C to 60°C (-13° F to 140° F)

Life Expectancy: 50,000 Hours

Maximum Run Length: 40 feet with 24V Tape and 100W driver. 24 feet with 12V tape and 60W driver.

INCLUDED WITH EVERY RGB TAPE LIGHT ROLL: Each RGB Tape Light roll purchased includes a 12" power line connector [NARGB-710], (15) clear acrylic clips, pre-applied 3M™ adhesive, and 16' tape consisting of 12" sections.

REQUIRED TO RUN RGB TAPE LIGHT: RGB Tape Light, Power Line Interconnector, RGB Controller, and LED Driver.

LISTINGS:
 cULus Listed for Wet Location* (not submersible)
 IP65 Rated
 California Energy Commission

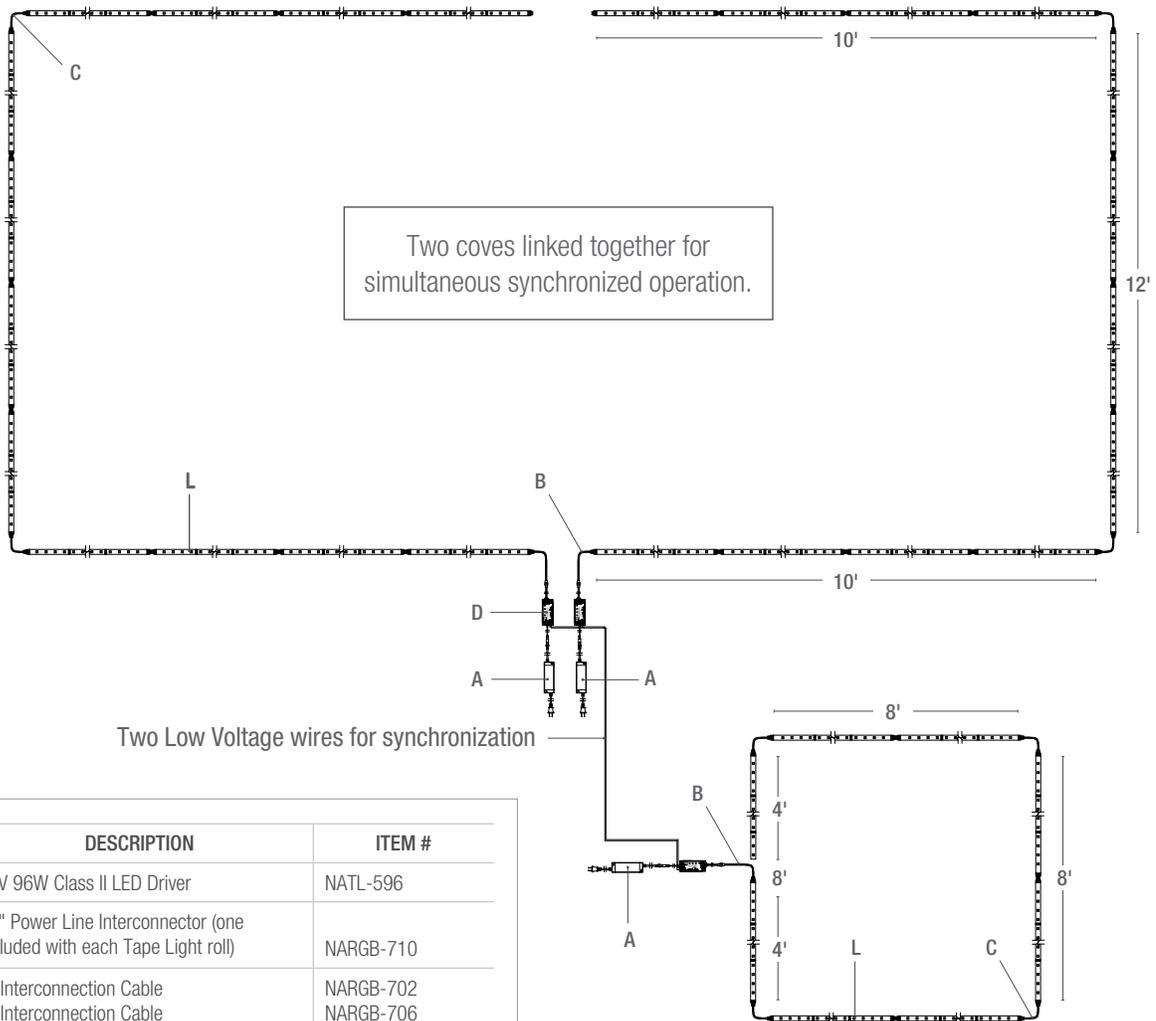
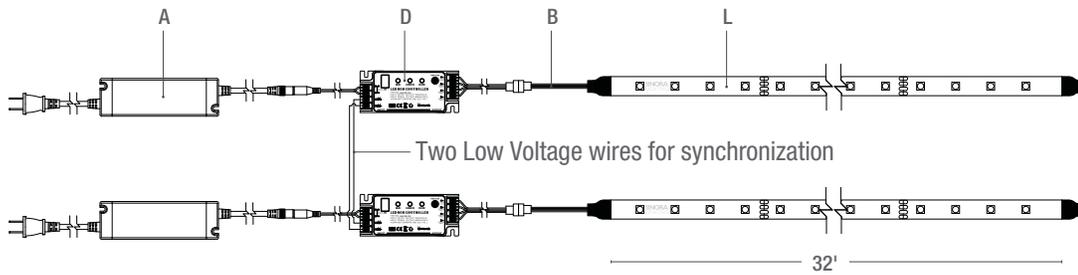
WARRANTY:
 3 Year Limited Warranty



**Important - Consult Spec Sheets at www.noralighting.com for limitation on Wet and Damp Location applications.*

LED TAPE LIGHT

Sample Layout RGB Color Changing



	DESCRIPTION	ITEM #
A	24V 96W Class II LED Driver	NATL-596
B	12" Power Line Interconnector (one included with each Tape Light roll)	NARGB-710
C	2" Interconnection Cable	NARGB-702
	6" Interconnection Cable	NARGB-706
	18" Interconnection Cable	NARGB-718
	36" Interconnection Cable	NARGB-736
	72" Interconnection Cable	NARGB-772
D	RGB Controller	NARGB-760
L	RGB LED Tape Light Roll (Disconnect every 12" or can be cut every 6", contains (16) 12" segments)	NUTP3-16LEDRGB

**Important - Consult Spec Sheets at www.noralighting.com for Limitations on Wet and Damp Location Applications.*

LED TAPE LIGHT

RGB Color Changing Accessories



Shrink Wrap Tube
NATL-400 Pack of 5

Seals connection made in the field. Necessary to maintain ETL Wet Listing. Two shrink wrap tubes are included with every Tape Light roll and section.



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 RGB Tape Light roll.



4" Aluminum Channel
NATHR-680

Use to mount Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable. Can be used with NAL-201, NAL-245 or NAL-280 Lightbar mounting clips.



12V & 24V End Cap
NATL-403

Covers open end of RGB Tape Light.



12V & 24V Power Line Interconnector
NARGB-710 12" Cable

Connects an RGB controller. *Note: (1) NARGB-710 is included with every RGB Tape Light roll. Use interconnection cables to increase length.*



Interconnection Cables 12/24V
NARGB-702 2" Cable
NARGB-706 6" Cable
NARGB-718 18" Cable
NARGB-736 36" Cable
NARGB-772 72" Cable

Allows easy linking of 2 RGB Tape Lights sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Y Splitter Cable 12/24V
NARGB-700

Allows splitting the RGB Tape light from a run or driver, into two separate runs.



X Splitter Cable 12/24V
NARGB-701

Description: Allows splitting the RGB Tape light from a run or driver, into three separate runs.



Hand Held Remote
NARGB-761

For remote control of RGB Controller 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 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.



Controller Power Line Connector
NARGB-762 24V 10'
NARGB-763 24V 30'
NARGB-767 12V 10'
NARGB-768 12V 30'

Replaces included 9-1/2" input wire, to allow for 30' or less length between controller and LED Driver.



Low Voltage Splice Box
NATL-415W

Finish: White
Joins Romex® low voltage lead to low voltage power line connector or interconnector.



12V Class II Hardwire Magnetic Driver
NMT-244/12C2D1* 4x60W
NMTD-40/12D 40W
NMTD-60/12D 60W

Voltage: 12V DC
***Includes:** (4) 10' Power Line Connectors (30' ordered separately)



24V Class II Hardwire Magnetic Driver
NMT-303/24C2D1* 3x100W
NMTD-60/24D 60W
NMTD-96/24D 96W

Voltage: 24V DC
***Includes:** (3) 10' Power Line Connectors (30' ordered separately)



Power Line Connector
NAPK-10 12V 10' Cable
NAPK-30 12V 30' Cable
NALTL-10 24V 10' Cable
NALTL-30 24V 30' Cable

For use with NMT Series Class II LED Driver. Replaces included 10' lead wire, to allow for 30' or less length between run and LED Driver.

LED TAPE LIGHT

Accessories RGB Color Changing



Hardwired Class II El. Driver

NAPK-530HW/12	12V 30W
NAPK-560HW/12	12V 60W
NATL-530HW	24V 30W
NATL-560HW	24V 60W

Voltage: 12V or 24V DC
Cable Length: 3-1/4"
Input Wire: 4"
 *Requires: NUSP-JBox for hardwire or NRA-6035 for plug in application; Power line interconnector cable to connect to Tape Light run.



Class II Electronic LED Driver

NATL-596	24V 6W
NAPK-550/12	12V 50W

Input Wire: 5' Cord and Plug
Output Wire: 44" Out Wire



Class II Electronic LED Driver

NATL-5100HW	100W
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Includes hardwire box and 10' Power Line Connector



Direct Plug-In Elect. Driver

NAPK-524/12	12V 24W
NATL-524	24V 24W
NATL-545	24V 45W

Voltage: 12V or 24V DC
Cable Length: 6 Feet
Requires: Power line interconnector cable to connect to Tape Light run.



Junction Box for Hard Wiring

NUSP-JBox

For use with NAPK-530HW/12, NAPK-560HW/12, NATL-530HW, NATL-560HW or NATL-5100 Drivers. Capable of feeding two separate runs. Accepts Romex®



Flexible Extension Cord

NRA-125/6	6" Cable
NRA-125/12	12" Cable
NRA-125/18	18" Cable
NRA-125/72	72" Cable

Extends length between NUSP-JBox and NAPK-530HW/12, NAPK-560HW/12, NATL-530HW & NATL-560HW. Can be joined together to create custom lengths.



Flexible Power Cord

NRA-6035W/6	6' Cable
NRA-6035W/10	10' Cable

Converts NAPK-530HW/12, NAPK-560HW/12, NATL-530HW and NATL-560HW into a direct plug-in driver.

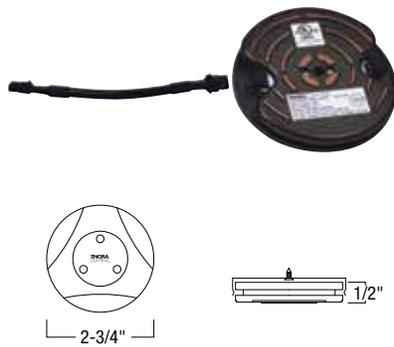


*Note: Each RGB Tape Light run requires a driver, controller, power line interconnector and tape. To accomplish the RGB color changing, you must use the RGB controller between the Driver and the RGB tape.



LED PUCK LIGHTS

12V LED Puck Light



FEATURES:

- Title 24 Compliant, energy efficient
- LEDs produce 70 lumens per watt (210 Lumens and 4.2 Watts per each unit)
- Available in single units or a three-puck kit
- Ten pucks can be daisy-chained on a single run
- 90' Maximum Distance
- Available in 3000K Warm White and 4200K Cool White
- Well suited for very small spaces: 1/2" deep with 2-3/4" diameter
- Easy installation using one screw
- 3", 6", 12", and 24" interconnectors included with each puck (can be linked together)
- New Series of Dimmable Remote Hardwire Drivers, up to 300 Watts
- RoHS compliant
- ETL and cETL listed for dry locations
- 30,000 hours of rated lamp life
- Surface mount with recessed housing accessory

12V LED PUCK LIGHT

CATALOG NO.	NO. OF LEDES	SOURCE	WATTAGE	COLOR TEMP	FINISH
NMPK1 Puck Light	3 3 LEDs	LED LED	4.2 W	30 3000K	BZ Bronze C Chrome W White
				42 4200K	
NMPK2 (3) Puck Light Kit	3 3 LEDs (each puck)	LED LED	4.2 W each	30 3000K	BZ Bronze C Chrome W White

Example: **NMPK1-3LED30BZ** - One LED Puck Light, 3 LEDs, 3000K, Bronze finish

Nora Lighting's slim LED Puck Light system is ideal for accent, under cabinet, in cabinet, display cases, niche, furniture, jewelry cases, and other applications with limited space. These low-profile fixtures can be linked together to provide excellent and even illumination on all surfaces. The Nora LED Puck Light is one of the most energy efficient products in the market. Combined with ultra low-profile housing, Nora's LED Puck offers unique features and a great ease of installation. LED technology eliminates forward heat from the fixture, also no UV or infrared rays to harm artwork, retail displays or heat sensitive foods.

HOUSING: Die-cast aluminum, round, available in 3 different colors with matching interconnectors: white and chrome (both with white), and bronze (with black).

PUCK LIGHT: Each LED Puck Light includes one each of 3", 6", 12", & 24" interconnection cables.

PUCK LIGHT KIT: LED Puck Light Kit is a complete package ready from the box. Includes (3) 3000K LED Puck Lights, three sets of 3", 6", 12", & 24" interconnection cables, coupler. (1) 12" Power Line Interconnector with switch, (3) mounting clips and (1) 24W Direct Plug-In Driver.

COLOR TEMPERATURES:
Warm White (3000K) or Cool White (4200K)

FINISHES:
Bronze (BZ), Brushed Chrome (C), or White (W)

ELECTRICAL:

- Voltage:** 12 Volt
- Input Watts:** 4.2W (1.4W per LED)
- Lumens at 4200K:** 210 lumens
- Efficacy at 4200K:** 70 lumens per watt
- Number of LEDs:** 3 per puck
- Maximum Distance:** 90' (10 LED Puck Lights max.)
- Estimated Life:** 30,000 hours

LISTINGS:

- cULus and cETL Listed for Dry Location
- RoHS Compliant
- 3 Year Limited Warranty



LED PUCK LIGHTS Accent, Under Cabinet, Linear, Cove Lighting

12V LED Puck Light Accessories



Splitter

NAPK-701B	Black
NAPK-701W	White

Description: To separate 4 puck light runs from a single driver or to split a run between puck lights. One in and four out.



Interconnection Cable

NAPK-702	2" Cable
NAPK-703	3" Cable
NAPK-706	6" Cable
NAPK-712	12" Cable
NAPK-724	24" Cable
NAPK-736	36" Cable
NAPK-748	48" Cable

Finish: Black (B), White (W)
Allows easy linking of two pucks.



Mini Coupler

NAPK-713B	Black
NAPK-713W	White

Used to connect two interconnection cables together or to add interconnection cable to power line interconnector.
Dim.: 3/8" W; 3/4" L; 1/4" H



12" Power Line Interconnector with Switch

NAPK-711B	Black
NAPK-711W	White

Allows individual switching of any LED Puck Light run.



18" Power Line Interconnector

NAPK-709B	Black
NAPK-709W	White

Connects puck light to a driver.



Recessed Housing Accessory

NMPKA-REC(finish)

Finish: Bronze (BZ), Chrome (C), White (W)



12V Dimmable Class II Remote Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage

NMTD-40/12D*	40W
NMTD-60/12D*	60W

Voltage: 24V DC
Input Voltage: 120/277 DC
Includes: 10' Power Line Connector (30' ordered separately)
*(4) 10' Power Line Connectors



12V Dimmable Class II Remote Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage

NMT-244/12C2D1	4x60W
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Voltage: 12V DC
Includes: 10' Power Line Connector (30' ordered separately)



Power Line Connector

NAPK-10	10' Cable
NAPK-30	30' Cable

For use with NMT Series Class II LED Driver. Replaces included 10' lead wire, to allow for 30' or less length between run and LED Driver.



Low Voltage Splice Box

NATL-415W

Finish: White
Joins Romex® low voltage lead to low voltage power line connector or interconnector.



Hardwired Class II EI. Driver

NAPK-530HW/12	30W
NAPK-560HW/12	60W

Voltage: 12V
Cable Length: 3-1/4"
Input Wire: 4"

Requires: NUSP-JBox for hardwire or NRA-6035 for plug in application; Power line interconnector cable to connect to Puck Light run.



Direct Plug-In EI. Driver

NAPK-550/12	50W
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Input Wire: 60"
NAPK-524/12 24W

Voltage: 12V
Cord and Plug: 6 Feet
Requires: Power line interconnector cable to connect to Puck Light run.



Junction Box for Hard Wiring

NUSP-JBox

For use with NAPK-530HW/12 or NAPK-560HW/12. Capable of feeding two separate runs. Accepts Romex®



Flexible Extension Cord

NRA-125/6	6" Cable
NRA-125/12	12" Cable
NRA-125/18	18" Cable
NRA-125/72	72" Cable

Extends length between NUSP-JBox and NAPK-530HW/12 or NAPK-560HW/12. Can be joined together to create custom lengths.



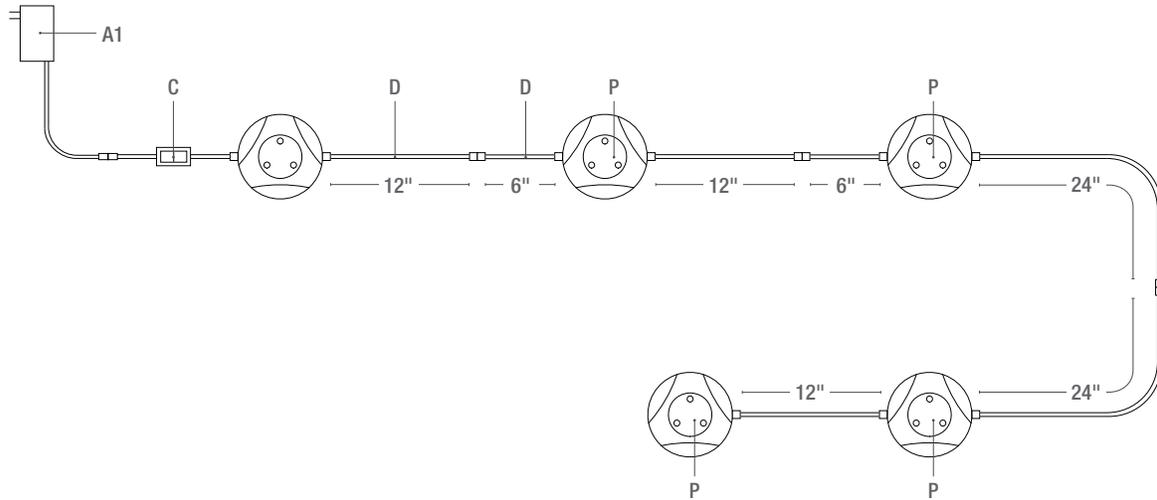
Flexible Power Cord

NRA-6035W/6	6' Cable
NRA-6035W/10	10' Cable

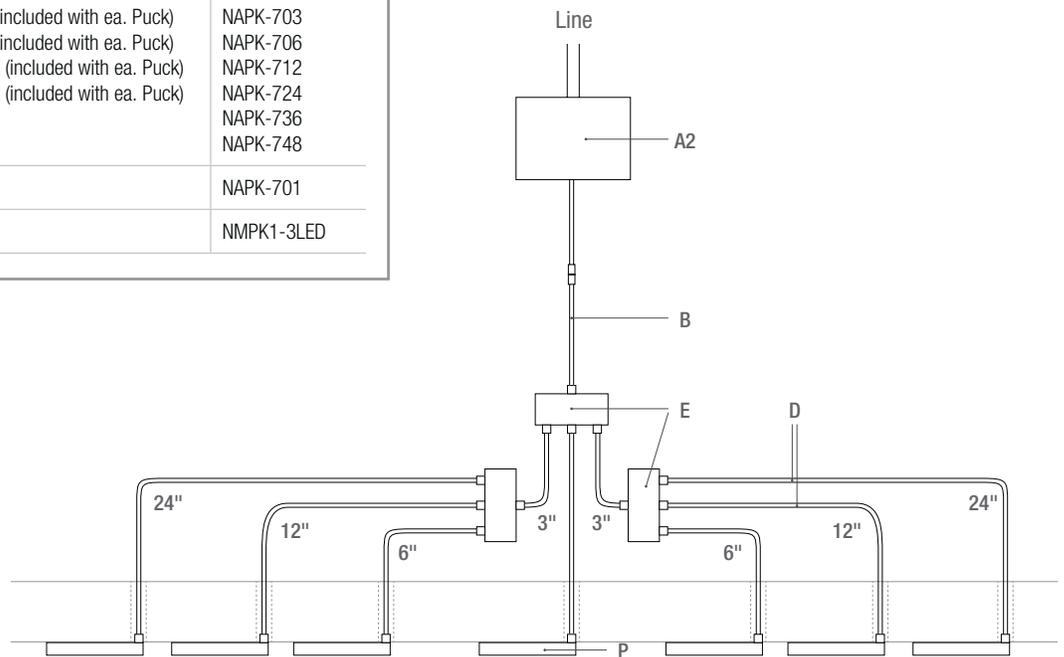
Converts NAPK-530HW/12 or NAPK-560HW/12 into a direct plug-in driver.

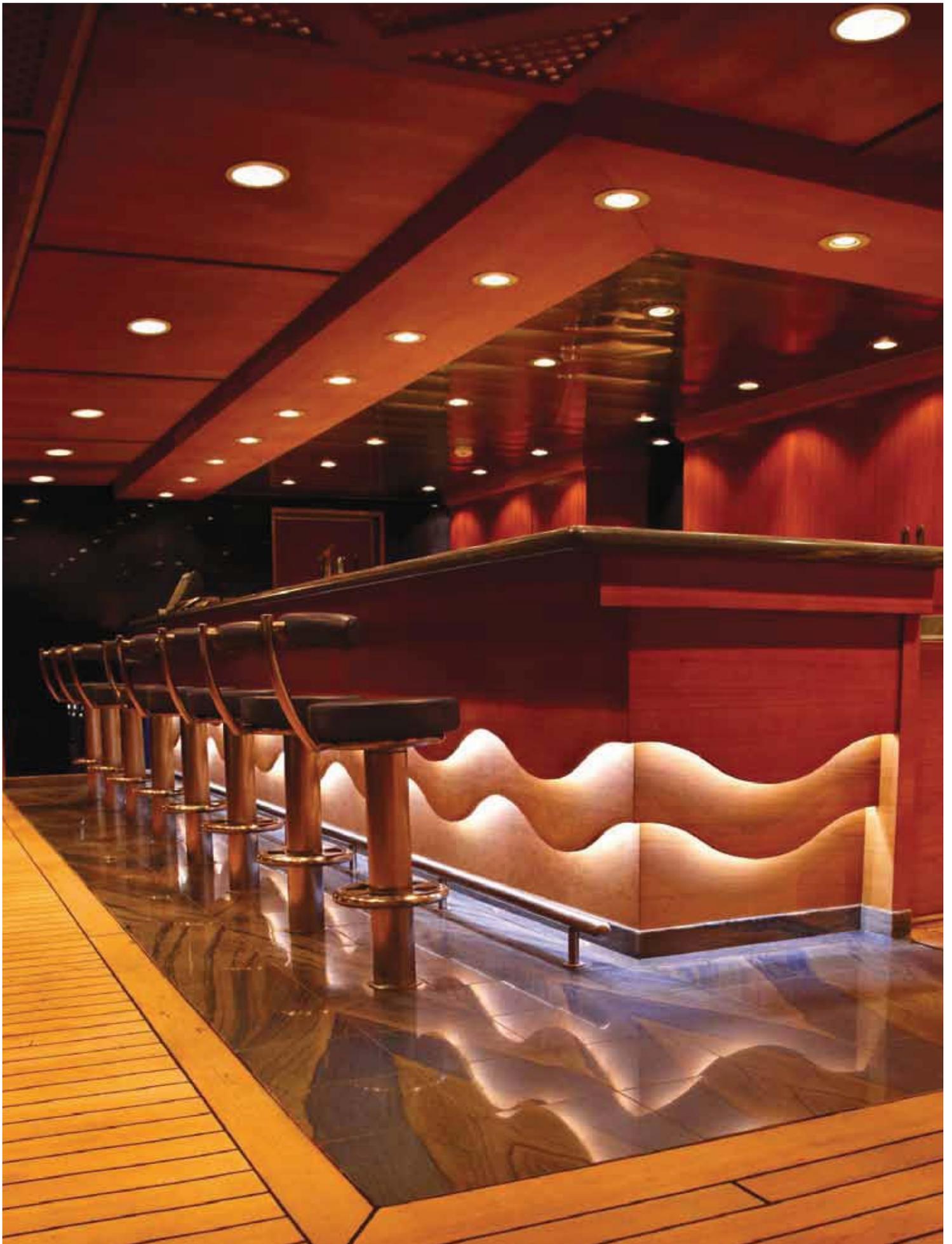
Accent, Under Cabinet, Linear, Cove Lighting **LED PUCK LIGHTS**

Sample Layout **12V LED Puck Light**



	DESCRIPTION	ITEM #
A1	12V Direct Plug-In Driver	NAPK-524/12
A2	12V 60W Dimmable Class II Power Supply	NMT-60/12C2D1
B	18" Power Line Interconnector	NAPK-702
C	18" Power Line Interconnector with Switch	NAPK-703
D	2" Interconnection Cable	NAPK-702
	3" Interconnection Cable (included with ea. Puck)	NAPK-703
	6" Interconnection Cable (included with ea. Puck)	NAPK-706
	12" Interconnection Cable (included with ea. Puck)	NAPK-712
	24" Interconnection Cable (included with ea. Puck)	NAPK-724
	36" Interconnection Cable	NAPK-736
	48" Interconnection Cable	NAPK-748
E	Splitter	NAPK-701
P	LED Puck Light	NMPK1-3LED





SPECIALTY DRIVERS

LED Lightbars · LED Tape Light · LED Puck Lights



Dimmable Class II Hardwire Magnetic Driver

NMT-244/12C2D1*	12V 4x 60W
NMT-303/24C2D1**	24V 3x 100W

12V DC / 24V DC

Width: 2-1/2" x Length: 6-5/8" x Height: 2-3/8"

Includes: 10' power line connector.
(optional 30' power line connector ordered separately)

***Includes:** (4) 10' power line connectors.

****Includes:** (3) 10' power line connectors.

Dimmable with Magnetic Low Voltage Dimmer



Dimmable Class II Hardwire Magnetic Driver

NMTD-40/12D	12V 40W
NMTD-60/12D	12V 60W
NMTD-60/24D	24V 60W
NMTD-96/24D	24V 96W

12V DC / 24V DC

Input Voltage: 120/277V

Width: 3" x Length: 14-1/4" x Height: 2-7/8"

Includes: 10' power line connector.
(optional 30' power line connector ordered separately)

Dimmable with Magnetic Low Volt Dimmer



Class II Hardwire Electronic Driver (Non-Dimmable)

NATL-5100HW	100W
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100W 24V AC

Width: 3-3/8" x Length: 11-1/4" x Height: 3-1/4"

Includes: driver, hardwire box and 10' power line connector.



Class II Electronic Driver Hardwire or Cord & Plug (Non-Dimmable)

NAPK-530HW/12	120V/12V 30W
NAPK-560HW/12	120V/12V 60W
NATL-530HW	120V/24V 30W
NATL-560HW	120V/24V 60W

Width: 1-3/4" x Length: 5-5/8" x Height: 1-1/4"

Power Line Connector: 3-1/4"

Input Wire: 4"

Requires: NUSP-JBox for hardwire or NRA-6035 for plug in application; Power line interconnector cable to connect to Tape Light run



Class II Direct Plug-In Driver (Non-Dimmable)

NAPK-524/12	12V 24W
NATL-524	24V 24W
NATL-545	24V 45W

12V or 24V DC

Input Cord Length: 4 Feet (NAPK-524/12);
6 Feet (NATL-524, NATL-545)



Plug-In LED Driver (Non-Dimmable)

NATL-596	24V DC 96W
-----------------	------------

Width: 2-1/4" x Length: 5-1/2" x Height: 1-1/4"

Power Line Connector: 44"

Cord and Plug length: 55"

Class II Plug-In Driver (Non-Dimmable)

NAPK-550/12	12V DC 50W
--------------------	------------

Power Cord Length: 6 Feet

Input Cord Length: 5 Feet

All LED Drivers require Power Line Interconnector to power systems.



LED Track Lighting

ARCHITECTURAL AND RESIDENTIAL



Nora's single and two circuit line voltage track is rated to handle up to 2400W on single circuit and 4800W on the two circuit, making our track very versatile in the architectural and residential applications. Nora's selection of LED track heads includes both integral driver units and heads with specifiable LED lamps. The track heads can be used with new or existing Nora track or can be specified with "L" or "J" adapters for retrofitting existing "L" or "J" style track. Nora's collection of LED Track heads combined with Nora current limiting power feeds can meet the toughest energy codes or requirements.

LED FIXTURE FEATURES

- Flex Beam adjustable beam track fixture
- Four integral driver styles - Aiden, Cori, Pillar and Robo. Ranging from 9 to 35 Watts.
- New "Complete Package" Track Heads with specifiable LED lamps.
- "J" and "L" style track fixtures

NORA TRACK FEATURES

- Track available in five finishes
- All Nora track fixtures are available in "H" style and can be used with 1 or 2-circuit track
- Lamps Sources - LED, HID Ceramic Metal Halide, Compact Fluorescent, T5 HO Fluorescent, GU24 Fluorescent, Low Voltage, GU10 Line Voltage Halogen, Line Voltage
- Complete selection of track connectors and accessories
- 2-circuit and single circuit available
- Field cuttable
- Meets watts per square requirements with Nora's Current Limiting Power Feeds

LED TRACK FIXTURES Available with H, J and L style adapters



REVO
REVOLUTION IN LIGHT

CONVENIENT. SIMPLE.
AFFORDABLE.

REMOTE CONTROL

Revo Remote Control PAR Track Fixture

NTH-REV150(Finish)(Lamp)(Style)	90W MAX
NTH-REVHHR	REMOTE CONTROL

- FEATURES:** Motorized track fixture adjusted with a hand-held remote
- CONSTRUCT:** Die-cast aluminum with integral motor
- FINISH:** **B** Black, **W** White
- LAMP:** (Blank) No Lamp
A22, A23, A36, A37, A38, A82, A83, A84, A85, E20, E21, E81, E82, E83, E84, E85, E86, E88.
Note: Fixture will not work short neck PAR30
- STYLE:** (Blank) H-style, **J** J-style, **L** L-style
- ADJUST:** 200° Horizontal and 340° Vertical rotation
- DIMENSIONS:** Diameter: 4-3/4" Width: 5" Length: 4-1/4"
Max Ext: 4-3/4"
- ELECTRICAL:** 120V - Dimmable
- WARRANTY:** Five year limited warranty



NTH-REVHHR
one remote control trans-
mitter controls all models

Adjust track lighting from below...without a ladder!

According to OSHA, ladders are the single leading cause of occupational injury.

NSpec introduces 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

A22* LED 8W 2700K PAR20 365 Lumens, 25°
A23* LED 8W 3000K PAR20 380 Lumens, 25°
A36* LED 13W 2700K PAR30 680 Lumens, 40°
A37* LED 13W 3000K PAR30 700 Lumens, 40°
A82* LED 20W 2700K PAR38 1150 Lumens, 25°
A83* LED 20W 3000K PAR38 1200 Lumens, 25°
A84* LED 20W 2700K PAR38 1150 Lumens, 40°

A85* LED 20W 3000K PAR38 1200 Lumens, 40°
E10 LED 4.5W 3000K GU10 200 Lumens, 25°
E20* LED 7W 2700K PAR20 300 Lumens, 20°
E21* LED 7W 3000K PAR20 300 Lumens, 20°
E30* LED 12W 2700K PAR30 740 Lumens, 20°
E31* LED 12W 3000K PAR30 750 Lumens, 20°
E32* LED 12W 2700K PAR30 740 Lumens, 35°

E33* LED 12W 3000K PAR30 750 Lumens, 35°
E80* LED 20W 2700K PAR38 1000 Lumens, 15°
E81* LED 20W 3000K PAR38 1100 Lumens, 15°
E82* LED 20W 2700K PAR38 1000 Lumens, 25°
E83* LED 20W 3000K PAR38 1100 Lumens, 25°
E84* LED 20W 2700K PAR38 1000 Lumens, 40°
E85* LED 20W 3000K PAR38 1100 Lumens, 40°

E86 LED 17W 3000K PAR38 Low Glare 820 Lms, 15°
E88 LED 17W 3000K PAR38 Low Glare 820 Lms, 40°
H11* LED 6W 3000K GU10 300 Lumens, 25°

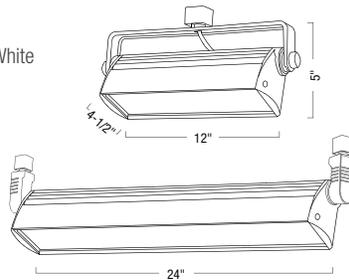
* Dimmable

Available with H, J and L style adapters **LED TRACK FIXTURES**

T-Wash Wall Wash LED Track Fixture

NTE-890 Series 33W / 66W MAX

- FEATURES:** 33W 12" Yoke or 66W 24" Arm mount
- CONSTRUCTION:** Die-cast aluminum with integral driver
- COLOR TEMP:** **30** 3000K Warm White, **40** 4000K Cool White
- FINISH:** **B** Black, **S** Silver, **W** White
- STYLE:** H, J, or L Style
- DIMENSIONS:** Width: 4-1/2" Length: 12" or 24"
Maximum Extension: 5"
- ELECTRICAL:** 120V - Dimmable
- LISTING:** cULus listed
- WARRANTY:** 3-Year limited warranty



Available in two styles:
12" Yoke or 24" Arm Mount

T-WASH LED TRACK FIXTURE

SERIES	SOURCE	COLOR TEMP	WATTAGE	FINISH	STYLE
NTE-890	L LED	30 3000K	33 33W	B Black	(blank) H-Style
		40 4000K	66 66W	S Silver	/J J-Style
				W White	/L L-Style

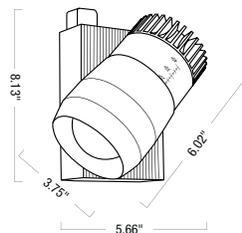
Order Example: **NTE-890L3033W/J** - T-Wash LED Track Fixture, 3000 Kelvin, 33 Watts, White Finish, "J" compatible adapter



Flex Beam LED Track Fixture

NTE-818 Series 25W MAX

- FEATURES:** Bridgelux 25W LED (1650-2000 lumens)
- CONSTRUCTION:** Die-cast aluminum with integral driver
- COLOR TEMP:** **27** 2700K Warm White, **30** 3000K Warm White, **40** 4000K Cool White
- BEAM SPREAD:** Adjustable from 20° Spot to 60° Flood
Beam spread indicators allow precise control
- FINISH:** **B** Black, **S** Silver, **W** White
- DIMENSIONS:** Width: 5-5/8" Length: 6" Diameter: 3-3/4"
Maximum Extension: 8-1/8"
- ADJUSTABILITY:** 350° Rotation; 90° Vertical adjustment
- ELECTRICAL:** 120V - Non Dimmable
- LISTING:** cULus listed
- WARRANTY:** 3-Year limited warranty



Telescoping shroud easily adjusts beam spread from 20° spot to 60° flood

FLEX BEAM ADJUSTABLE LED TRACK FIXTURE

SERIES	SOURCE	COLOR TEMP	BEAM SPREAD	WATTAGE	FINISH	STYLE
NTE-818	L LED	30 3000K	A Adjustable	25 25W	B Black	(blank) H-Style
		40 4000K			S Silver	
					W White	

Order Example: **NTE-818L30A25W** - T-Wash LED Track Fixture, 3000 Kelvin, 25 Watts, White Finish



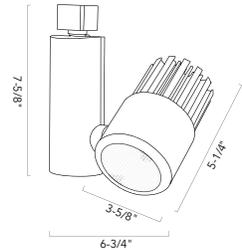
LED TRACK FIXTURES Available with H, J and L style adapters



Aiden 35W High Lumen LED Track Fixture

NTE-842 Series 35W MAX

- FEATURES:** 35W, 2300 Lumens, 80+ CRI
CONSTRUCTION: Die-cast aluminum head and body for maximum heat dissipation, with integral driver.
COLOR TEMP: **30** 3000K Warm White, **40** 4000K Cool White
BEAM SPREAD: **S** 19° Spot, **F** 38° Flood
FINISH: **B** Black, **S** Silver, **W** White
STYLE: H or J style
DIMENSIONS: Width: 6-3/4" Length: 6-1/4"
 Diameter: 3-5/8" Maximum Extension: 7-5/8"
ADJUSTABILITY: 350° Horizontal and 90° Vertical rotation.
ELECTRICAL: 120V - dimmable
WARRANTY: 3-Year limited warranty



AIDEN LED TRACK FIXTURE

SERIES	SOURCE	COLOR TEMP	BEAM SPREAD	WATTAGE	FINISH	STYLE
NTE-842	L LED	30 3000K	S 19° Spot	35 35W	B Black	(blank) H-style
		40 4000K	F 38° Flood		S Silver	/J J-style
					W White	/L L-style

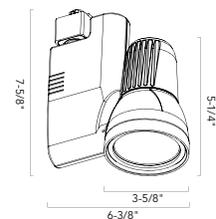
Order Example: **NTE-842L30S35B** - Aiden 35W LED Track, 3000K, 19° Spot, Black finish, (H-Style)



Pillar 18W LED Track Fixture

NTE-810 Series 18W MAX

- FEATURES:** Up to 742 lumens, 80+ CRI
CONSTRUCTION: Die-cast aluminum head and body for maximum heat dissipation, with integral driver.
COLOR TEMP: **30** 3000K Warm White, **42** 4200K Cool White
BEAM SPREAD: **S** 15° Spot, **F** 30° Flood
FINISH: **B** Black, **S** Silver, **W** White
STYLE: H, J, or L style
DIMENSIONS: Width: 6-3/8" Length: 5-1/4" Diameter: 3-5/8"
 Maximum Extension: 7-5/8"
ELECTRICAL: 120V - dimmable
LISTING: cULus listed
WARRANTY: 3-Year limited warranty



PILLAR LED TRACK FIXTURE

SERIES	SOURCE	COLOR TEMP	BEAM SPREAD	WATTAGE	FINISH	STYLE
NTE-810	L LED	30 3000K	S 15° Spot	18 18W	B Black	(blank) H-Style
		42 4200K	F 30° Flood		S Silver	/J J-Style
					W White	/L L-Style

Order Example: **NTE-810L42F18B** - 18W Pillar LED Track Fixture, 4200 Kelvin Temperature, 30° Flood Beam Spread, Black Finish (H-Style)

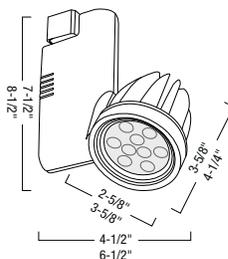


Available with H, J and L style adapters **LED TRACK FIXTURES**

Cori 12W / 23W LED Track Fixture

NTE-840 Series 12W / 23W MAX

- FEATURES:** 23W and 1800 Lumens; 12W and 1040 Lumens, 80+ CRI
CONSTRUCTION: Die-cast aluminum head and body for maximum heat dissipation, with integral driver.
COLOR TEMP: **30** 3000K Warm White, **40** 4000K Cool White
BEAM SPREAD: **S** 15° Spot, **F** 35° Flood
FINISH: **B** Black, **S** Silver, **W** White
STYLE: H, J, or L Style
DIMENSIONS: **12W** - W: 4-1/2" L: 3-5/8" Dia: 2-5/8" Max Ext: 7-1/2"
23W - W: 6-1/2" L: 4-1/4" Dia: 3-5/8" Max Ext: 8-1/2"
ADJUSTABILITY: 345° Rotation. Both driver and diode castings pivot 180° independent of each other
ELECTRICAL: 120V - dimmable (**only for 23W**)
LISTING: cULus listed
WARRANTY: 3-Year limited warranty



CORI LED TRACK FIXTURE

SERIES	SOURCE	COLOR TEMP	BEAM SPREAD	WATTAGE	FINISH	STYLE
NTE-840	L LED	30 3000K	S 15° Spot	12 12W	B Black	(blank) H-style
	D Dim	40 4000K	F 35° Flood	23 23W	S Silver	/J J-style
					W White	/L L-style

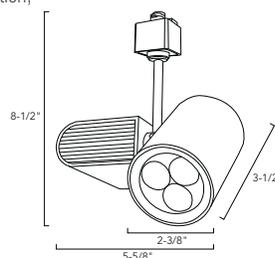
Order Example: **NTE-840D30S23W/J** - Cori LED Track Fixture, 3000 Kelvin, 15° Beam Spread, 23 Watts Dimmable, White Finish, "J" compatible adapter



Robo Cylinder 9W LED Track Fixture

NTE-820 Series 9W MAX

- FEATURES:** 9W (3x3W) up to 314 lumens, 80+ CRI
CONSTRUCTION: Die-cast aluminum head and body for maximum heat dissipation, with integral driver.
COLOR TEMP: **30** 3000K Warm White, **42** 4200K Cool White
Beam Spread: **F** 30° Beam
FINISH: **B** Black, **W** White
STYLE: H, J, or L Style
DIMENSIONS: W: 5-5/8" L: 3-1/2" Dia: 2-3/8" Max Ext: 8-1/2"
ADJUSTABILITY: 345° Rotation. Both driver and diode castings pivot 180° independent of each other
ELECTRICAL: 120V non-dimmable
LISTING: cULus listed
WARRANTY: 3-Year limited warranty

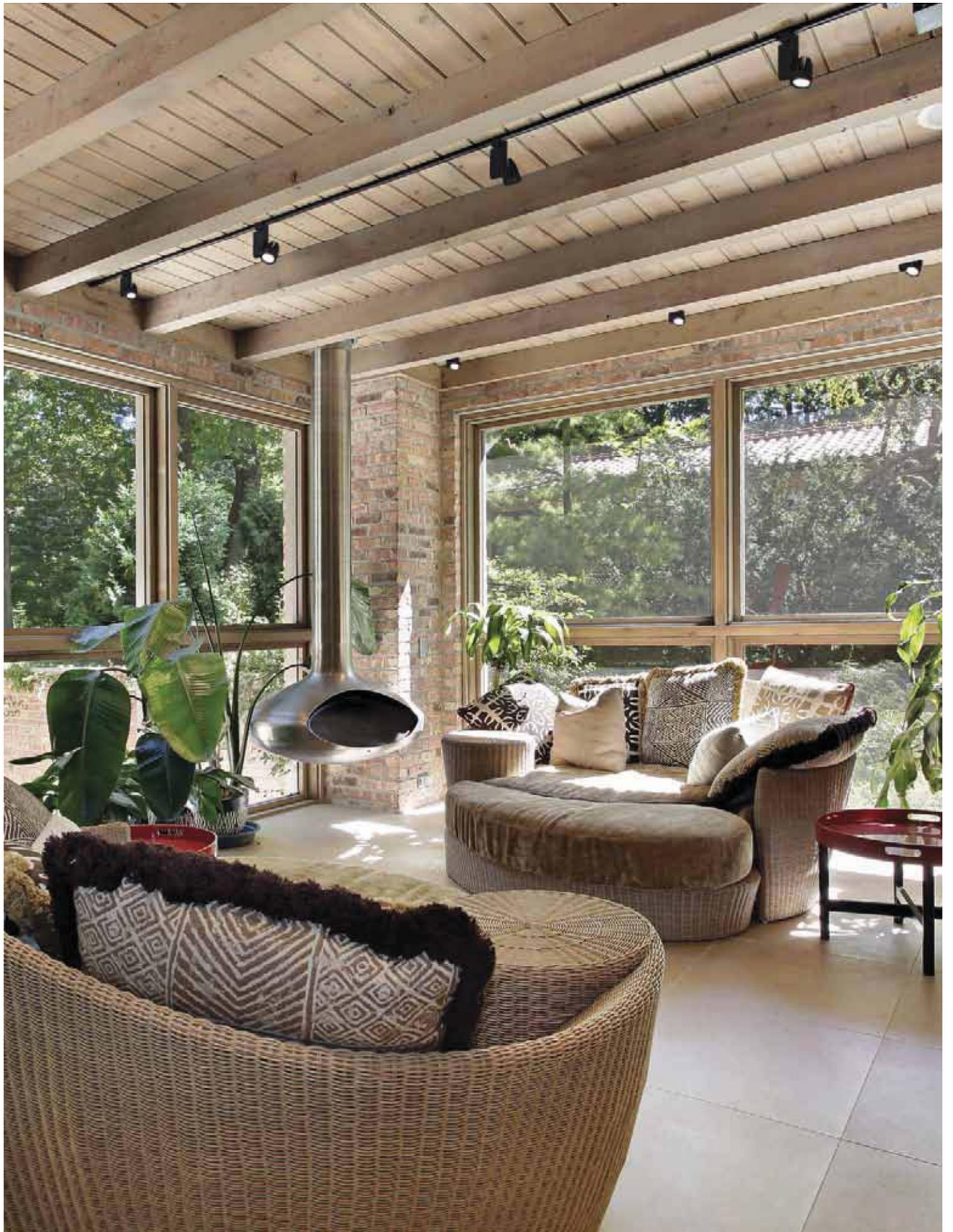


ROBO CYLINDER LED TRACK FIXTURE

SERIES	SOURCE	COLOR TEMP	BEAM SPREAD	WATTAGE	FINISH	STYLE
NTE-820	L LED	30 3000K	F 30° Flood	9 9W	B Black	(blank) H-Style
		42 4200K			W White	/J J-Style
						/L L-Style

Order Example: **NTE-820L42F9W** - 9W Robo Cylinder LED Track Fixture, 4200 Kelvin Temperature, 30° Beam Spread, White Finish (H-Style)

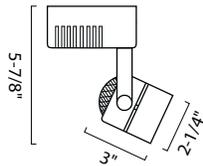




VERSA TRACK SERIES

Low Voltage MR16 LED Compatible*

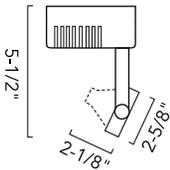
Nora Lighting's MR16 low voltage track heads with dimmable electronic drivers/transformers are now compatible with MR16 LED or halogen lamps. The Versa Track Series features four models designed for accent lighting in a range of applications, including restaurant dining or lounge areas, in-store retail displays and residential settings. Versa Track's integral electronic driver/transformer is rated for 0 to 60 watt loads. The zero low-end allowance ensures a longer LED consistent performance and life.



Versa Cylinder with Dimmable Integral Electronic Driver/Transformer

NTLE-203(finish) H-STYLE 0W -60W

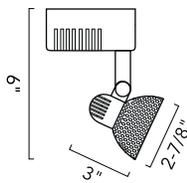
LAMP: 3W-50W LED/Halogen MR16 (not included)
FINISH: **B** Black, **BZ** Bronze, **NM** Natural Metal, **W** White
DIMENSIONS: Length: 3" Diameter: 2-1/4"
 Maximum Extension: 5-7/8"
LISTING: cULus listed



Versa Gimbal Ring with Dimmable Integral Electronic Driver/Transformer

NTLE-207(finish) H-STYLE 0W - 60W

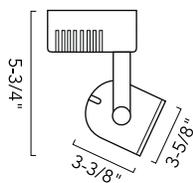
LAMP: 3W-50W LED/Halogen MR16 (not included)
FINISH: **B** Black, **BZ** Bronze, **NM** Natural Metal, **W** White
DIMENSIONS: Length: 2-1/8" Diameter: 2-5/8"
 Maximum Extension: 5-1/2"
LISTING: cULus listed



Versa Wireback with Dimmable Integral Electronic Driver/Transformer

NTLE-213(finish) H-STYLE 0W - 60W

LAMP: 3W-50W LED/Halogen MR16 (not included)
FINISH: **B** Black, **BZ** Bronze, **NM** Natural Metal, **W** White
DIMENSIONS: Length: 3" Diameter: 2-7/8"
 Maximum Extension: 6"
LISTING: cULus listed



Versa Roundback with Dimmable Integral Electronic Driver/Transformer

NTLE-214(finish) H-STYLE 0W - 60W

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



* Consult Spec sheet for compatible LED MR16 lamps at www.noralighting.com Custom stem lengths available in six-inch increments from 12" to 48". Consult factory.

LED GU10 & PAR Available with H, J and L style adapters

Specifiable Line Voltage Track Fixtures



LED Metro™

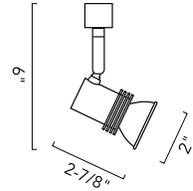
NTH-619(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-619(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-619(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FINISH: **S** Silver

LAMP: **E10**

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



LED Italia™

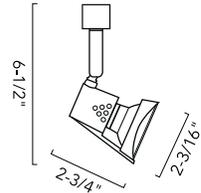
NTH-618(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-618(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-618(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FINISH: **S** Silver

LAMP: **E10, H11***

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



Belgium™ PAR30 Front Load Die-Cast Gimbal

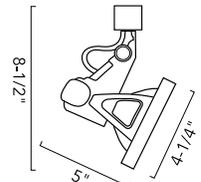
NTH-132(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-132(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-132(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FEATURE: Architectural die-cast construction

FINISH: **B** Black, **S** Silver, **W** White

LAMP: **E30*, E31*, E32*, E33***

DIMENSIONS: Length: 5" Dia.: 4-1/4" Max Ext.: 8-1/2"



A22* LED 8W 2700K PAR20 365 Lumens, 25°
A23* LED 8W 3000K PAR20 380 Lumens, 25°
A36* LED 13W 2700K PAR30 680 Lumens, 40°
A37* LED 13W 3000K PAR30 700 Lumens, 40°
A83* LED 20W 3000K PAR38 1200 Lumens, 25°
A84* LED 20W 2700K PAR38 1150 Lumens, 40°
A85* LED 20W 3000K PAR38 1200 Lumens, 40°

E10 LED 4.5W 3000K GU10 200 Lumens, 25°
E20* LED 7W 2700K PAR20 300 Lumens, 20°
E21* LED 7W 3000K PAR20 300 Lumens, 20°
E30* LED 12W 2700K PAR30 740 Lumens, 20°
E31* LED 12W 3000K PAR30 750 Lumens, 20°
E32* LED 12W 2700K PAR30 740 Lumens, 35°
E33* LED 12W 3000K PAR30 750 Lumens, 35°

E80* LED 20W 2700K PAR38 1000 Lumens, 15°
E81* LED 20W 3000K PAR38 1100 Lumens, 15°
E82* LED 20W 2700K PAR38 1000 Lumens, 25°
E83* LED 20W 3000K PAR38 1100 Lumens, 25°
E84* LED 20W 2700K PAR38 1000 Lumens, 40°
E85* LED 20W 3000K PAR38 1100 Lumens, 40°
E88 LED 17W 3000K PAR38 Low Glare 820 Lms, 40°

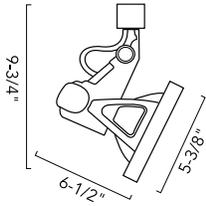
H11* LED 6W 3000K GU10 300 Lumens, 25°

* Dimmable

Fixtures above include specified LED lamps. See page 131 for lamp specifications.

Order Example: **NTH-132BE33/J** - Belgium PAR30 J-Style Track Fixture, Black with 12W 3000K PAR30 35 Degree Beam Spread LED Lamp

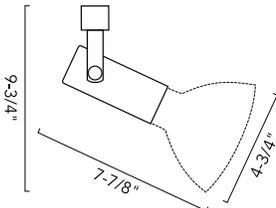
Available with H, J and L style adapters **LED PAR**
Specifiable Line Voltage Track Fixtures



Belgium™ PAR38 Front Load Die-Cast Gimbal

NTH-133(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-133(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-133(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

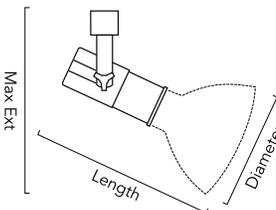
FEATURE: Architectural die-cast construction
FINISH: **B** Black, **S** Silver, **W** White
LAMP: **A83*, A84*, A85*, E80*, E81*, E82*, E83*, E84*, E85*, E88**
DIMENSIONS: Length: 6-1/2" Dia.: 5-3/8" Max Ext.: 9-3/4"



Universal Lamp Holder

NTH-109(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-109(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-109(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FEATURE: Adjustable socket
FINISH: **B** Black, **N** Natural Metal, **W** White
LAMP: **A22*, A23*, E20*, E21*, A36*, A37*, E30*, E31*, E32*, E33*, A83*, A84*, A85*, E80*, E81*, E82*, E83*, E84*, E85*, E88**
DIMENSIONS: Length: 7-7/8" Dia.: 4-3/4" Max Ext.: 9-3/4"



Truly Universal™ PAR Holder with Retractable Shroud

NTH-138(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-138(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-138(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FINISH: **B** Black, **W** White
LAMP: **A22*, A23*, E20*, E21*, A36*, A37*, E30*, E31*, E32*, E33*, A83*, A84*, A85*, E80*, E81*, E82*, E83*, E84*, E85*, E88**
DIMENSIONS: Length: 7-7/8" Dia.: 4-3/4" Max Ext.: 9-3/4"



A22* LED 8W 2700K PAR20 365 Lumens, 25°
A23* LED 8W 3000K PAR20 380 Lumens, 25°
A36* LED 13W 2700K PAR30 680 Lumens, 40°
A37* LED 13W 3000K PAR30 700 Lumens, 40°
A83* LED 20W 3000K PAR38 1200 Lumens, 25°
A84* LED 20W 2700K PAR38 1150 Lumens, 40°
A85* LED 20W 3000K PAR38 1200 Lumens, 40°

E10 LED 4.5W 3000K GU10 200 Lumens, 25°
E20* LED 7W 2700K PAR20 300 Lumens, 20°
E21* LED 7W 3000K PAR20 300 Lumens, 20°
E30* LED 12W 2700K PAR30 740 Lumens, 20°
E31* LED 12W 3000K PAR30 750 Lumens, 20°
E32* LED 12W 2700K PAR30 740 Lumens, 35°
E33* LED 12W 3000K PAR30 750 Lumens, 35°

E80* LED 20W 2700K PAR38 1000 Lumens, 15°
E81* LED 20W 3000K PAR38 1100 Lumens, 15°
E82* LED 20W 2700K PAR38 1000 Lumens, 25°
E83* LED 20W 3000K PAR38 1100 Lumens, 25°
E84* LED 20W 2700K PAR38 1000 Lumens, 40°
E85* LED 20W 3000K PAR38 1100 Lumens, 40°
E88 LED 17W 3000K PAR38 Low Glare 820 Lms, 40°

H11* LED 6W 3000K GU10 300 Lumens, 25°
** Dimmable*

Fixtures above include specified LED lamps. See page 131 for lamp specifications.

LED PAR Available with H, J and L style adapters

Specifiable Line Voltage Track Fixtures



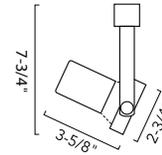
Gimbal Ring PAR20 Line Voltage

NTH-112(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-112(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-112(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FINISH: **B** Black, **N** Natural Metal, **W** White

LAMP: **A22°, A23°, E20°, E21°**

DIMENSIONS: Length: 3-5/8" Dia.: 2-3/4" Max Ext.: 7-3/4"



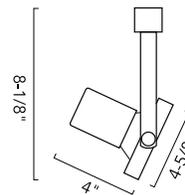
Gimbal Ring PAR30 Line Voltage

NTH-107 (finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-107(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-107(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FINISH: **B** Black, **BZ** Bronze, **N** Natural Metal, **W** White

LAMP: **A36°, A37°, E30°, E31°, E32°, E33°**

DIMENSIONS: Length: 4" Dia.: 4-5/8" Max Ext.: 8-1/8"



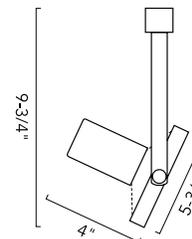
Line Voltage Gimbal Ring PAR38

NTH-108(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-108(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-108(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FINISH: **B** Black, **BZ** Bronze, **N** Natural Metal, **W** White

LAMP: **A81°, A83°, A84°, A85°, E80°, E81°, E82°, E83°, E84°, E85°, E88**

DIMENSIONS: Length: 4" Dia.: 5-3/4" Max Ext.: 9-3/4"



A22° LED 8W 2700K PAR20 365 Lumens, 25°
A23° LED 8W 3000K PAR20 380 Lumens, 25°
A36° LED 13W 2700K PAR30 680 Lumens, 40°
A37° LED 13W 3000K PAR30 700 Lumens, 40°
A83° LED 20W 3000K PAR38 1200 Lumens, 25°
A84° LED 20W 2700K PAR38 1150 Lumens, 40°
A85° LED 20W 3000K PAR38 1200 Lumens, 40°

E10 LED 4.5W 3000K GU10 200 Lumens, 25°
E20° LED 7W 2700K PAR20 300 Lumens, 20°
E21° LED 7W 3000K PAR20 300 Lumens, 20°
E30° LED 12W 2700K PAR30 740 Lumens, 20°
E31° LED 12W 3000K PAR30 750 Lumens, 20°
E32° LED 12W 2700K PAR30 740 Lumens, 35°
E33° LED 12W 3000K PAR30 750 Lumens, 35°

E80° LED 20W 2700K PAR38 1000 Lumens, 15°
E81° LED 20W 3000K PAR38 1100 Lumens, 15°
E82° LED 20W 2700K PAR38 1000 Lumens, 25°
E83° LED 20W 3000K PAR38 1100 Lumens, 25°
E84° LED 20W 2700K PAR38 1000 Lumens, 40°
E85° LED 20W 3000K PAR38 1100 Lumens, 40°
E88 LED 17W 3000K PAR38 Low Glare 820 Lms, 40°

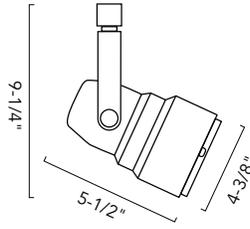
H11° LED 6W 3000K GU10 300 Lumens, 25°

* Dimmable

Fixtures above include specified LED lamps. See page 131 for lamp specifications.

Order Example: **NTH-132BE33/J** - Belgium PAR30 J-Style Track Fixture, Black with 12W 3000K PAR30 35 Degree Beam Spread LED Lamp

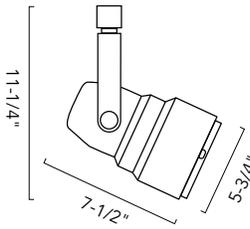
Available with H, J and L style adapters **LED PAR**
Specifiable Line Voltage Track Fixtures



Shroud PAR30 Line Voltage

NTH-149(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-149(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-149(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FINISH: B Black, S Silver, W White
LAMP: A36*, A37*
DIMENSIONS: Length: 5-1/2" Dia.: 4-3/8" Max Ext.: 9-1/4"
ACCESSORIES: Accepts louvers and filters (by others)



Shroud PAR38 Line Voltage

NTH-150(finish)(lamp)	H-STYLE	LED LAMP INCLUDED
NTH-150(finish)(lamp)/J	J-STYLE	LED LAMP INCLUDED
NTH-150(finish)(lamp)/L	L-STYLE	LED LAMP INCLUDED

FINISH: B Black, S Silver, W White
LAMP: A83*, A84*, A85*, E80*, E81*, E82*, E83*, E84*, E85*, E88
DIMENSIONS: Length: 7-1/2" Dia.: 5-3/4" Max Ext.: 11-1/4"
ACCESSORIES: Accepts louvers and filters (by others)



A22* LED 8W 2700K PAR20 365 Lumens, 25°
A23* LED 8W 3000K PAR20 380 Lumens, 25°
A36* LED 13W 2700K PAR30 680 Lumens, 40°
A37* LED 13W 3000K PAR30 700 Lumens, 40°
A83* LED 20W 3000K PAR38 1200 Lumens, 25°
A84* LED 20W 2700K PAR38 1150 Lumens, 40°
A85* LED 20W 3000K PAR38 1200 Lumens, 40°

E10 LED 4.5W 3000K GU10 200 Lumens, 25°
E20* LED 7W 2700K PAR20 300 Lumens, 20°
E21* LED 7W 3000K PAR20 300 Lumens, 20°
E30* LED 12W 2700K PAR30 740 Lumens, 20°
E31* LED 12W 3000K PAR30 750 Lumens, 20°
E32* LED 12W 2700K PAR30 740 Lumens, 35°
E33* LED 12W 3000K PAR30 750 Lumens, 35°

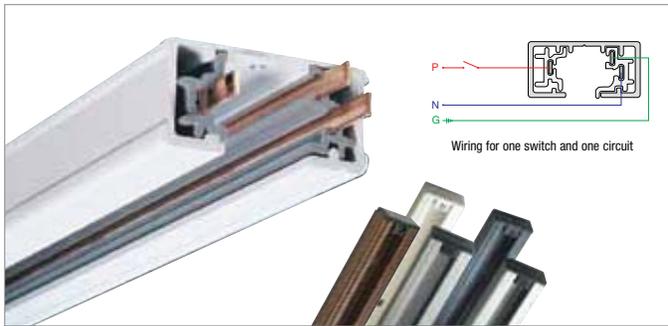
E80* LED 20W 2700K PAR38 1000 Lumens, 15°
E81* LED 20W 3000K PAR38 1100 Lumens, 15°
E82* LED 20W 2700K PAR38 1000 Lumens, 25°
E83* LED 20W 3000K PAR38 1100 Lumens, 25°
E84* LED 20W 2700K PAR38 1000 Lumens, 40°
E85* LED 20W 3000K PAR38 1100 Lumens, 40°
E88 LED 17W 3000K PAR38 Low Glare 820 Lms, 40°

H11* LED 6W 3000K GU10 300 Lumens, 25°
** Dimmable*

Fixtures above include specified LED lamps. See page 131 for lamp specifications.

LED TRACK

One and Two Circuit Track



NORA LIGHTING'S 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

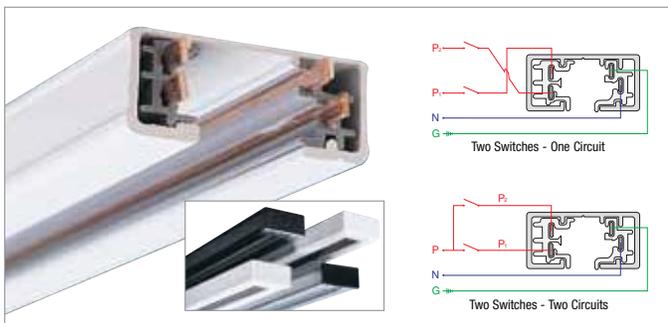
NT-301	H-Style 2' Track (24-1/4" actual length*)
NT-302	H-Style 4' Track (48-1/4" actual length*)
NT-303	H-Style 6' Track (72-1/4" actual length*) <i>not available in BZ</i>
NT-304	H-Style 8' Track (96-1/4" actual length*)
NT-331	H-Style 12' Track (144-1/4" actual length*) <i>not available in BZ, N</i>

* 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



NORA LIGHTING'S 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 fed 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-2302	H-Style 4' Track (48-1/4" Actual Length*)
NT-2303	H-Style 6' Track (72-1/4" Actual Length*) <i>not available in S</i>
NT-2304	H-Style 8' Track (96-1/4" Actual Length*)
NT-2331	H-Style 12' Track (144-1/4" Actual Length*) <i>not available in S</i>

* measurement includes end caps

Rating: 120V, (2) 20A Circuits, 2400W each circuit
Finish: B Black, BZ Bronze, 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', 8' and 12' 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

LED TRACK Track System Accessories

CURRENT LIMITER END FEEDS

ONE-CIRCUIT		TWO-CIRCUIT	
CATALOG NO.	AMPS / WATTS	CATALOG NO.	AMPS / WATTS
NT-348/1A	1A / 120W	NT-2348/1A	1A / 120W
NT-348/2.5A	2.5A / 300W	NT-2348/2.5A	2.5A / 300W
NT-348/4.5A	4.5A / 540W	NT-2348/4.5A	4.5A / 540W
NT-348/5A	5A / 600W	NT-2348/5A	5A / 600W
NT-348/7.5A	7.5A / 850W	NT-2348/7.5A	7.5A / 850W
NT-348/10A	10A / 1200W	NT-2348/10A	10A / 1200W
NT-348/12A	12A / 1440W	NT-2348/12A	12A / 1440W
NT-348/14A	14A / 1680W	NT-23248/14A	14A / 1680W

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 to comply with code required watts per square foot restrictions including California Energy Code Title 24 Energy Efficient Standards. Nora's Current Limiter is a cULus Listed & Title 24 approved 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
- UL 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-358/1A	1A / 120W	NT-2358/1A	1A / 120W
NT-358/2.5A	2.5A / 300W	NT-2358/2.5A	2.5A / 300W
NT-358/4.5A	4.5A / 540W	NT-2358/4.5A	4.5A / 540W
NT-358/5A	5A / 600W	NT-2358/5A	5A / 600W
NT-358/7.5A	7.5A / 850W	NT-2358/7.5A	7.5A / 850W
NT-358/10A	10A / 1200W	NT-2358/10A	10A / 1200W
NT-358/12A	12A / 1440W	NT-2358/12A	12A / 1440W
NT-358/14A	14A / 1680W	NT-23258/14A	14A / 1680W

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 or rail run by the length of the run, not by wattage consumed. NEC applies 45 watts per foot regardless of actual load.

Example: (3) 39W 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 now limited to 120 watts. A savings of 780 watts in the watts per square foot and Title 24 calculations.



LED TRACK

Track System Accessories



Live End Feed with Canopy

NT-311 One-Circuit

NT-2311 Two-Circuit

Finish: Black (B), Silver (S), White (W)

Live ends to start a run.

Mounting hardware included.



Live End Feed

NT-316 One-Circuit

NT-2316* Two-Circuit

Finish: Black (B), Silver (S), White (W)

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: Black (B), Silver (S), White (W)

With live end

10 Amp, 1200 Watts Maximum
12 feet grounded cord



Floating Canopy Feed

NT-307 One-Circuit

NT-2307 Two-Circuit

Finish: Black (B), Silver (S), White (W)

Connects track to existing outlet box anywhere along the track.



Live End Feed with Canopy

NT-352 One-Circuit

NT-2352 Two-Circuit

Finish: Black (B), Silver (S), White (W)

Live ends to start a run.

Mounting hardware included



Live End Conduit Connector

NT-328 One-Circuit

NT-2328* Two-Circuit

Finish: Black (B), Silver (S), White (W)

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: Black (B), Silver (S), White (W)

Available: 1A, 2.5A, 5A, 7.5A, 10A, 12A, 14A

Current limiter

To start a run

On/Off switch



Current Limiting In-Line Feed with Circuit Breaker

NT-358 / _ _ One-Circuit

NT-2358 / _ _ Two-Circuit

Finish: Black (B), Silver (S), White (W)

Available: 1A, 2.5A, 5A, 7.5A, 10A, 12A, 14A

Current limiter

On/Off switch



T-Bar End Feed

NT-348 One-Circuit

NT-2348 Two-Circuit

Finish: Black (B), Silver (S), White (W)

To start a run

Top 3 knock-outs



Straight Connector

NT-310 One-Circuit

NT-2310 Two-Circuit

Finish: Black (B), Silver (S), White (W)

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: Black (B), Silver (S), White (W)

Can be power feed.

Joins two track sections end to end. Adds 4" to length.



Flexible Connector

NT-309 One-Circuit

NT-2309 Two-Circuit

Finish: Black (B), Silver (S), White (W)

Connects two tracks at any angle up to 90° or wall to ceiling or pitched ceiling application.

Can be power feed.



L-Connector

NT-313 One-Circuit

NT-2313* Two-Circuit

Finish: Black (B), Silver (S), White (W)

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: Black (B), Silver (S), White (W)

Can be power feed.

Connects three track sections in a T-configuration.



X-Connector

NT-315 One-Circuit

NT-2315* Two-Circuit

Finish: Black (B), Silver (S), White (W)

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.

LED TRACK Track System Accessories



Outlet Box Cover

NT-320

Finish: Black (B), Silver (S), White (W)

Can be used at any feed connection live, straight, L, T or X.

Screws included



Monopoint w/ Power Feeder

NT-319 Square Monopoint

Finish: Black (B), Silver (S), White (W)

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

Finish: Black (B), Silver (S), White (W)

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: Black (B), Silver (S), White (W)

Allows the installation of one NTL-200 Versa series track fixture without a track. Mounts permanently to outlet box 10 lbs. maximum weight



Wire Way Cover

NT-326 One or Two Circuit

Finish: Black (B), Silver (S), White (W)

For track to be wired through stem. Use one for each live end used



Slope Pendant Adapter

NT-349

Finish: Black (B), Silver (S), White (W)

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: Black (B), Silver (S), White (W)

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"

Finish: Black (B), Silver (S), White (W)

To replace existing or field damaged stem in a pendant assembly kit Use NRA-82 coupler to join two stems together



Stem Coupler

NRA-82

Finish: Black (B), Silver (S), White (W)

Used to join NRA-132 Series together or to pendant assembly (NT-305, 306, 336, 329)



Slope Adapter for Nora Track Fixtures

NT-333 H Fixture to H Track

Finish: Black (B), Silver (S), White (W)

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: Black (B), Silver (S), White (W)

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: Black (B), Silver (S), White (W)

For use on slope ceiling For use on J-Style Track System with H-Style Nora Track Fixtures



Track Fixture Extension Rods

NT-322	18" w/Connectors
NT-323	24" w/Connectors
NT-324	36" w/Connectors
NT-325	48" w/Connectors

Finish: Black (B), Silver (S), White (W)

Extends track fixture from track Also available by special order, factory installed extension rods to 48".



18" Flexible Extension Rod

NT-330 18"

Finish: Black (B), White (W) For use with NTH-618

Extends track fixture from track Can NOT be used with NTL-200 series low voltage track fixture

LED TRACK Accessories



Utility Hook
NT-308

Finish: Black (B), Silver (S), White (W)
For chain hung fixture up to 30lbs.
Can be used as power feed.



Outlet Adapter
NT-327

Finish: Black (B), Silver (S), White (W)
Allows a power outlet on the track.



Track Clamp Adapter
NT-364

Finish: Black (B), White (W)
Clamps onto round or flat surface, 12' cord plugs into any convenient 3-prong outlet.
Accepts 1 track fixture.



Track Clamp Adapter with Coil Cord
NT-364C

Finish: White (W)
Clamps onto round or flat surface, 12' curly cord plugs into any convenient 3-prong outlet.



Track Pendant Adapter
NT-368

Finish: Black (B), Silver (S), White (W)
Extends from track 2"



Versa QuickJack Adaptor
NTE-370

Finish: Black (B), Silver (S), White (W)
Contains female QuickJack adaptor. Accepts all fixtures with male QuickJack adaptor.
Includes electronic transformer/Driver rated for 0-60W



Retrofit Monopoint Adapter
NT-374 4"
NT-376 6"

Finish: Black (B), White (W)
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: Black (B), Silver (S), White (W)
To end a run. Two are included with each track



MR16 Silicone Flange Ring
NTR-100

Finish: Blue (BU), Green (GR), Red (R), White (W), Yellow (Y)
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

for MR11 lens, change suffix to /MR11



MR16 Accessory Louver
NT-362

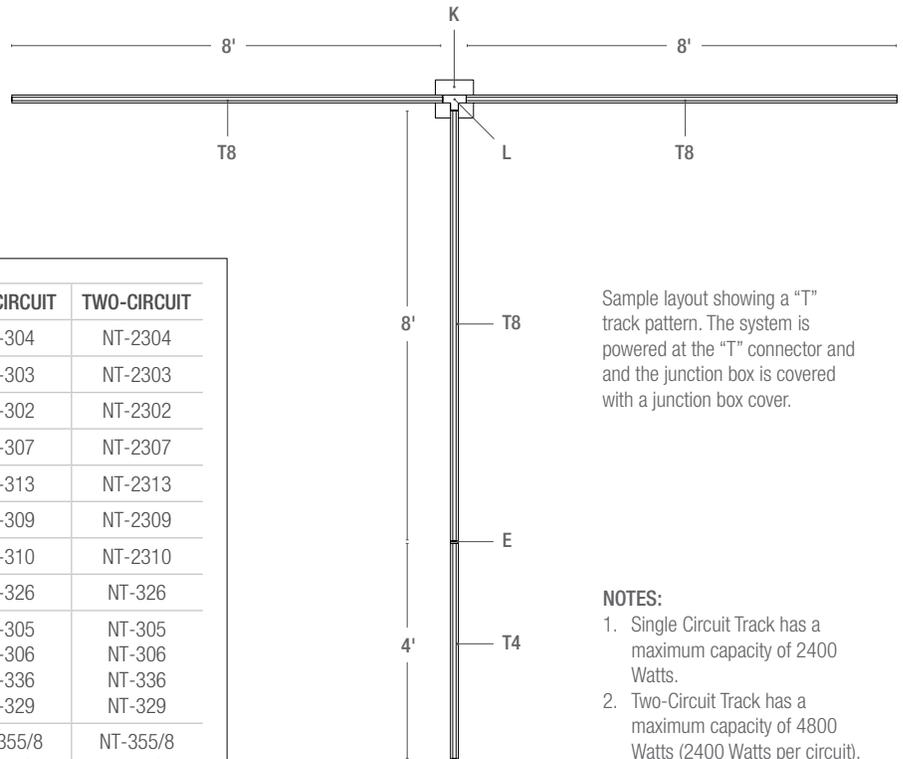
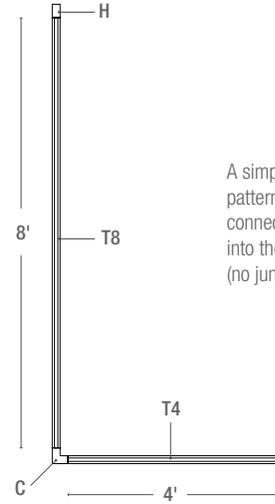
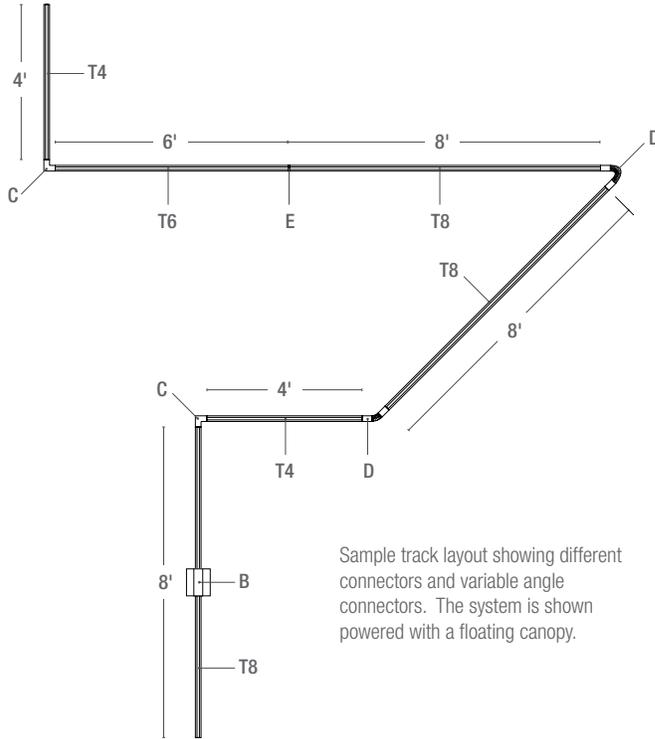
Finish: Black



Socket Extender
NRA-10

Medium Base

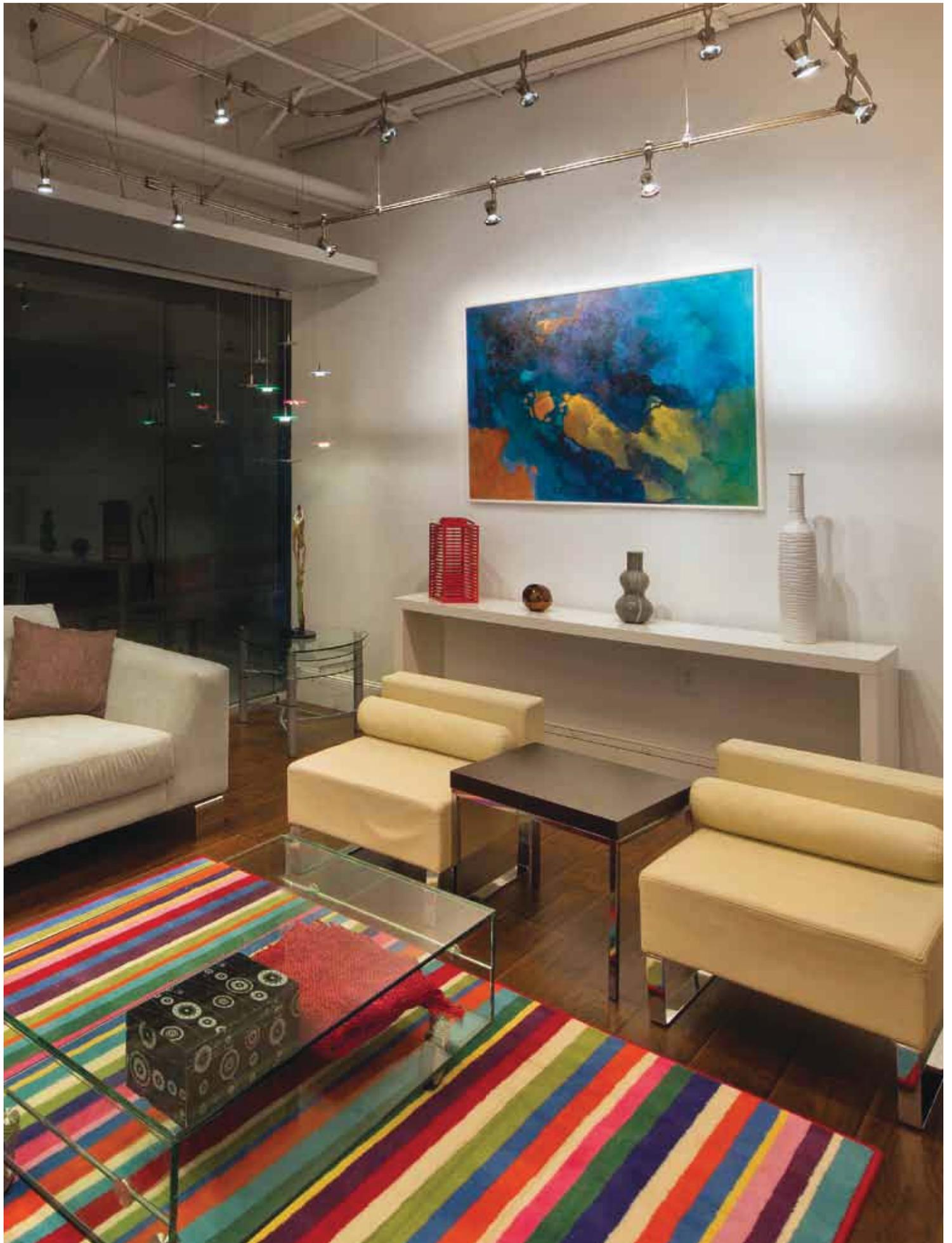
LED TRACK Sample Layouts Track System



	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
F	Wire Way Cover	NT-326	NT-326
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	8' Suspension Kit, Aircraft Cable	NT-355/8	NT-355/8
H	20' Suspension Kit, Aircraft Cable	NT-355/20	NT-355/20
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.



LED Nora Rail

120V LINE VOLTAGE RAIL SYSTEM



NORA
rail

Award winning Nora Rail is the premiere Line Voltage Rail System in the marketplace, featuring all the lamping dynamics of conventional track with the curve appeal of low voltage rail. And since Nora Rail is a line voltage system it does not limit the user to single source of light or other limitations found in similar looking low voltage systems. Our large assortment of finely detailed, die-cast fixtures are complimented by an array of beautiful glass pendants. The capabilities are endless.

FEATURES

- New Versa LED compatible Rail Heads
- New Integral LED Rail Heads
- New Rail heads which include GU10 or PAR LED lamps
- New Economy Gimbal and Universal Rail Heads
- Line voltage
- No transformer for system
- No voltage drop
- Design longer runs
- 2400 watts on a single run from a single power point
- Easily accepts line voltage LED Lamping.
- Utilizes line voltage, low voltage, high-output fluorescent, metal halide and LED fixtures simultaneously on the same line voltage system if desired
- cUL.us listed for 20 amps
- Field bendable to a 2ft. diameter circle
- Field cut-able
- Easier to design
- Telescoping supports for easy leveling in the field
- Simpler and faster to install
- No expensive dimming controls
- Brushed Nickel, Bronze or Silver finishes
- cULus Listed

LED NORA RAIL

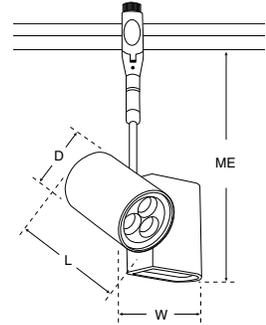


Robo Cylinder 9W LED Rail Fixture

NRE-820L Series

9W MAX

- FEATURES:** 9W (3x3W) up to 314 lumens, 80+ CRI
- LAMP:** Die-cast aluminum head and body for maximum heat dissipation, with integral driver.
- COLOR TEMP:** **42** 4200K Cool White
- Beam Spread:** **F** 30° Beam
- FINISH:** **BN** Brushed Nickel, **BZ** Bronze
- DIMENSIONS:** W: 5-5/8" L: 3-1/2" Dia: 2-3/8" Max Ext: 8-1/2"
- ADJUSTABILITY:** 345° Rotation. Both driver and diode castings pivot 180° independent of each other
- ELECTRICAL:** 120V non-dimmable
- LISTING:** cULus Listed
- WARRANTY:** 3-Year limited warranty



ROBO CYLINDER LED RAIL FIXTURE

SERIES	SOURCE	COLOR TEMP	BEAM SPREAD	WATTAGE	FINISH	STYLE
NRE-820	L LED	42 4200K	F 30° Flood	9 9W	BN Brushed Nickel BZ Bronze	(blank) H-Style /J J-Style /L L-Style

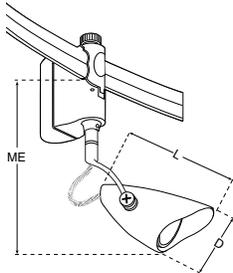
Order Example: **NRE-820L42F9BN** - 9W Robo Cylinder LED Rail Fixture, 4200 Kelvin Temperature, 30° Beam Spread, Brushed Nickel Finish (H-Style)



VERSA NORA RAIL SERIES

Low Voltage MR16 LED Compatible*

Nora Lighting's MR16 low voltage rail heads with dimmable electronic drivers/transformers are now compatible with MR16 LED or halogen lamps. The Versa Rail Series features models designed for accent lighting in a range of applications, including restaurant dining or lounge areas, in-store retail displays and residential settings. Versa Rail's integral electronic driver/transformer is rated for 0 to 60 watt loads. The zero low-end allowance ensures a longer LED performance life.



Versa Argon Curve

0W - 60W

NRSE36-101(finish) COMPLETE FIXTURE

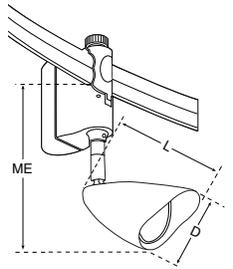
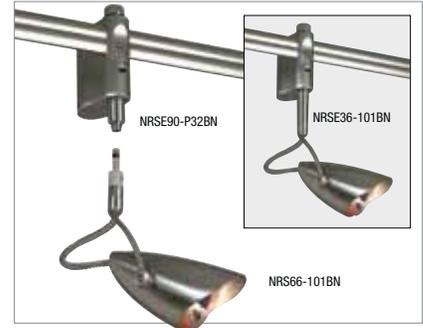
NRS66-101(finish) QUICKJACK**

LAMP: 3W-60W MR16 (not included)

FINISH: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

DIMENSIONS: Length: 4-1/2" Dia.: 2-3/8" Max Ext.: 8"

MOBILITY: 345° Rotation; 90° Pivoting Head



Versa Argon Swivel

0W - 60W

NRSE36-102(finish) COMPLETE FIXTURE

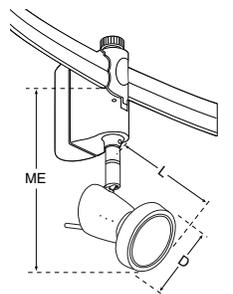
NRS66-102(finish) QUICKJACK**

LAMP: 3W-60W MR16 (not included)

FINISH: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

DIMENSIONS: Length: 4-1/2" Dia.: 2-3/8" Max Ext.: 6-1/4"

MOBILITY: 345° Rotation; 90° Pivoting Head



Versa Sienna w/Ring

0W - 60W

NRSE36-103(finish) COMPLETE FIXTURE

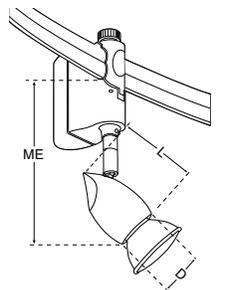
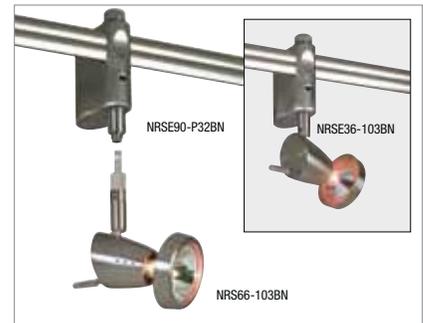
NRS66-103(finish) QUICKJACK**

LAMP: 3W-60W MR16 (not included)

FINISH: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

DIMENSIONS: Length: 4" Dia.: 2-5/16" Max Ext.: 5-3/4"

MOBILITY: 345° Rotation; 90° Pivoting Head



Versa Neon

0W - 60W

NRSE36-107(finish) COMPLETE FIXTURE

NRS66-107(finish) QUICKJACK**

LAMP: 3W-60W MR16 (not included)

FINISH: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

DIMENSIONS: Length: 3-1/8" Dia.: 2-7/16" Max Ext.: 5-3/4"

MOBILITY: 345° Rotation; 90° Pivoting Head



**QuickJack fixture consists of fixture head with male fitter and must be used with a QuickJack adapter (NRSE90-P32). * Consult Spec sheet for compatible LED MR16 lamps www.noralighting.com

LED GU10 & PAR Line Voltage Specifiable LED Nora Rail Fixtures



Sienna with Ring

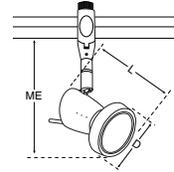
NRS11-103(finish)(lamp) LED lamp included

FINISH: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

LAMP:  **H11***, **E10**

DIMENSIONS: Length: 4" Dia.: 2-5/16" Max Ext.: 5-3/4"

MOBILITY: 345° Rotation, 90° Pivoting Head



Neat

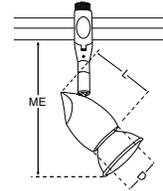
NRS11-104(finish)(lamp) LED LAMP INCLUDED

FINISH: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

LAMP:  **H11***, **E10**

DIMENSIONS: Length: 2-3/8" Dia.: 1-1/2" Max Ext.: 4-5/8"

MOBILITY: 345° Rotation, 90° Pivoting Head



Ives Gooseneck

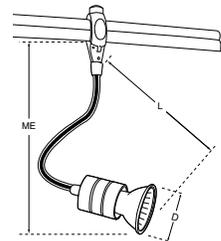
NRS11-302(finish)(lamp) LED LAMP INCLUDED

FINISH: **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

LAMP:  **H11***, **E10**

DIMENSIONS: Length: 1-5/8" Dia.: 1-3/8" Max Ext.: 12"

MOBILITY: Flex can move in all direction



A22* LED 8W 2700K PAR20 365 Lumens, 25°
A23* LED 8W 3000K PAR20 380 Lumens, 25°
A36* LED 13W 2700K PAR30 680 Lumens, 40°
A37* LED 13W 3000K PAR30 700 Lumens, 40°
A83* LED 20W 3000K PAR38 1200 Lumens, 25°
A84* LED 20W 2700K PAR38 1150 Lumens, 40°
A85* LED 20W 3000K PAR38 1200 Lumens, 40°

E10 LED 4.5W 3000K GU10 200 Lumens, 25°
E20* LED 7W 2700K PAR20 300 Lumens, 20°
E21* LED 7W 3000K PAR20 300 Lumens, 20°
E30* LED 12W 2700K PAR30 740 Lumens, 20°
E31* LED 12W 3000K PAR30 750 Lumens, 20°
E32* LED 12W 2700K PAR30 740 Lumens, 35°
E33* LED 12W 3000K PAR30 750 Lumens, 35°

E80* LED 20W 2700K PAR38 1000 Lumens, 15°
E81* LED 20W 3000K PAR38 1100 Lumens, 15°
E82* LED 20W 2700K PAR38 1000 Lumens, 25°
E83* LED 20W 3000K PAR38 1100 Lumens, 25°
E84* LED 20W 2700K PAR38 1000 Lumens, 40°
E85* LED 20W 3000K PAR38 1100 Lumens, 40°
E88 LED 17W 3000K PAR38 Low Glare 820 Lms, 40°

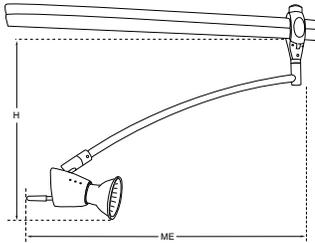
H11* LED 6W 3000K GU10 300 Lumens, 25°

* Dimmable

Fixtures above include specified LED lamps. See page 131 for lamp specifications.

Order Example: **NRS11-103BZA11** - Sienna with Ring Rail Fixture, Bronze finish with 4W 2700K GU10 23 Degree Beam Spread LED Lamp

Line Voltage LED GU10 & PAR Specifiable Line Voltage Rail Fixtures



Fili Display

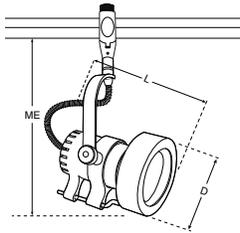
NRS11-310(finish)(lamp) LED LAMP INCLUDED

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

LAMP: **H11***, E10

DIMENSIONS: Height: 7" Max Ext.: 16"

MOBILITY: 345° Rotation, 90° Pivoting Head



PAR20 Ulysses

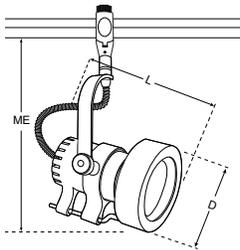
NRS18-122(finish)(lamp) LED LAMP INCLUDED

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

LAMP: **A22***, **A23***, **E20***, **E21***

DIMENSIONS: Length: 4-3/4" Dia.: 3-9/16" Max Ext.: 8-3/4"

MOBILITY: 345° Rotation, 90° Pivoting Head



PAR30 Ulysses

NRS18-123(finish)(lamp) LED LAMP INCLUDED

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

LAMP: **A36***, **A37***, **E30***, **E31***, **E32***, **E33***

DIMENSIONS: Length: 5-1/2" Dia.: 4-3/4" Max Ext.: 9-3/4"

MOBILITY: 345° Rotation, 90° Pivoting Head



A22* LED 8W 2700K PAR20 365 Lumens, 25°
A23* LED 8W 3000K PAR20 380 Lumens, 25°
A36* LED 13W 2700K PAR30 680 Lumens, 40°
A37* LED 13W 3000K PAR30 700 Lumens, 40°
A83* LED 20W 3000K PAR38 1200 Lumens, 25°
A84* LED 20W 2700K PAR38 1150 Lumens, 40°
A85* LED 20W 3000K PAR38 1200 Lumens, 40°

E10 LED 4.5W 3000K GU10 200 Lumens, 25°
E20* LED 7W 2700K PAR20 300 Lumens, 20°
E21* LED 7W 3000K PAR20 300 Lumens, 20°
E30* LED 12W 2700K PAR30 740 Lumens, 20°
E31* LED 12W 3000K PAR30 750 Lumens, 20°
E32* LED 12W 2700K PAR30 740 Lumens, 35°
E33* LED 12W 3000K PAR30 750 Lumens, 35°

E80* LED 20W 2700K PAR38 1000 Lumens, 15°
E81* LED 20W 3000K PAR38 1100 Lumens, 15°
E82* LED 20W 2700K PAR38 1000 Lumens, 25°
E83* LED 20W 3000K PAR38 1100 Lumens, 25°
E84* LED 20W 2700K PAR38 1000 Lumens, 40°
E85* LED 20W 3000K PAR38 1100 Lumens, 40°
E88 LED 17W 3000K PAR38 Low Glare 820 Lms, 40°

H11* LED 6W 3000K GU10 300 Lumens, 25°

* Dimmable

Fixtures above include specified LED lamps. See page 131 for lamp specifications.

LED PAR Line Voltage

Specifiable LED Nora Rail Fixtures



PAR38 Ulysses

NRS18-128(finish)(lamp)

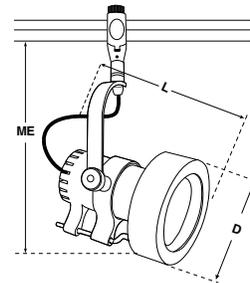
LED LAMP INCLUDED

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

LAMP:  A83°, A84°, A85°, E80°, E81°, E82°, E83°, E84°, E85°, E88

DIMENSIONS: Length: 6-3/4" Dia.: 5-3/4" Max Ext.: 11-1/4"

MOBILITY: 345° Rotation, 90° Pivoting Head



PAR30 Belgium

NRS18-133(finish)(lamp)

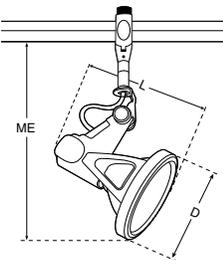
LED LAMP INCLUDED

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

LAMP:  E30°, E31°, E32°, E33°

DIMENSIONS: Length: 5-3/8" Dia.: 4-1/4" Max Ext.: 8-3/4"

MOBILITY: 345° Rotation, 90° Pivoting Head



PAR38 Belgium

NRS18-138(finish)(lamp)

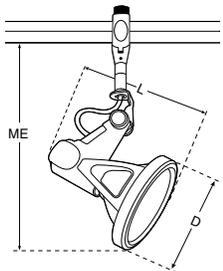
LED LAMP INCLUDED

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

LAMP:  A83°, A84°, A85°, E80°, E81°, E82°, E83°, E84°, E85°

DIMENSIONS: Length: 6-1/2" Dia.: 5-3/8" Max Ext.: 9-3/4"

MOBILITY: 345° Rotation, 90° Pivoting Head



Gimbal Ring PAR20

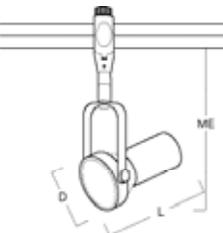
NRS12-112(finish)(lamp)

LED LAMP INCLUDED

FINISH: BN Brushed Nickel
BZB Bronze Connector / Black Fixture

LAMP:  A22°, A23°, E20°, E21°

DIMENSIONS: Length: 3-5/8" Dia.: 2-3/4" Max Ext.: 7-3/4"



A22° LED 8W 2700K PAR20 365 Lumens, 25°
A23° LED 8W 3000K PAR20 380 Lumens, 25°
A36° LED 13W 2700K PAR30 680 Lumens, 40°
A37° LED 13W 3000K PAR30 700 Lumens, 40°
A83° LED 20W 3000K PAR38 1200 Lumens, 25°
A84° LED 20W 2700K PAR38 1150 Lumens, 40°
A85° LED 20W 3000K PAR38 1200 Lumens, 40°

E10 LED 4.5W 3000K GU10 200 Lumens, 25°
E20° LED 7W 2700K PAR20 300 Lumens, 20°
E21° LED 7W 3000K PAR20 300 Lumens, 20°
E30° LED 12W 2700K PAR30 740 Lumens, 20°
E31° LED 12W 3000K PAR30 750 Lumens, 20°
E32° LED 12W 2700K PAR30 740 Lumens, 35°
E33° LED 12W 3000K PAR30 750 Lumens, 35°

E80° LED 20W 2700K PAR38 1000 Lumens, 15°
E81° LED 20W 3000K PAR38 1100 Lumens, 15°
E82° LED 20W 2700K PAR38 1000 Lumens, 25°
E83° LED 20W 3000K PAR38 1100 Lumens, 25°
E84° LED 20W 2700K PAR38 1000 Lumens, 40°
E85° LED 20W 3000K PAR38 1100 Lumens, 40°
E88 LED 17W 3000K PAR38 Low Glare 820 Lms, 40°

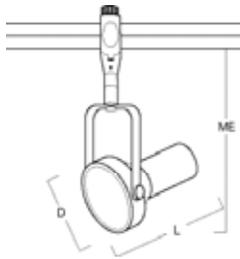
H11° LED 6W 3000K GU10 300 Lumens, 25°

* Dimmable

Fixtures above include specified LED lamps. See page 131 for lamp specifications.

Order Example: **NRS11-103BZA11** - Sienna with Ring Rail Fixture, Bronze finish with 4W 2700K GU10 23 Degree Beam Spread LED Lamp

Line Voltage LED PAR & GU10 Specifiable Line Voltage Rail Fixtures



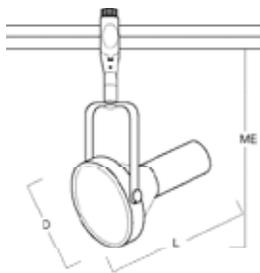
Gimbal Ring PAR30

NRS12-107(finish)(lamp) LED LAMP INCLUDED

FINISH: BN Brushed Nickel
BZB Bronze Connector / Black Fixture

LAMP: A36*, A37*, E30*, E31*, E32*, E33*

DIMENSIONS: Length: 4" Dia.: 4-5/8" Max Ext.: 8-1/8"



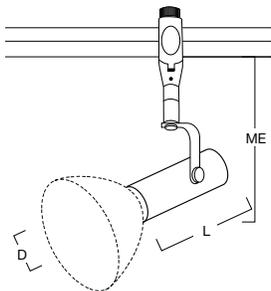
Gimbal Ring PAR38

NRS12-108(finish)(lamp) LED LAMP INCLUDED

FINISH: BN Brushed Nickel
BZB Bronze Connector / Black Fixture

LAMP: A83*, A84*, A85*, E80*, E81*, E82*, E83*, E84*, E85*, E88

DIMENSIONS: Length: 4" Dia.: 5-3/4" Max Ext.: 9-3/4"



Universal

NRS12-109(finish)(lamp) LED LAMP INCLUDED

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

LAMP: A22*, A23*, A36*, A37*, A83*, A84*, A85*, E20*, E21*, E30*, E31*, E32*, E33*, E80*, E81*, E82*, E83*, E84*, E85*, E88

DIMENSIONS: Length: 7-7/8" Dia.: 4-3/4" Max Ext.: 9-3/4"

MOBILITY: 360° Rotation, Adjustable Socket

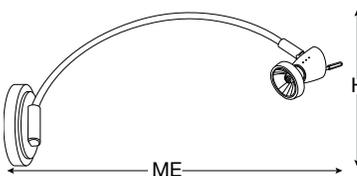


Exhibit Display with Slim Canopy

NRS11-320(finish)(lamp) LED LAMP INCLUDED

FINISH: BN Brushed Nickel, BZ Bronze, S Silver

LAMP: H11*, E10

Dimensions: Height: 10" Max Ext.: 17"



A22* LED 8W 2700K PAR20 365 Lumens, 25°
A23* LED 8W 3000K PAR20 380 Lumens, 25°
A36* LED 13W 2700K PAR30 680 Lumens, 40°
A37* LED 13W 3000K PAR30 700 Lumens, 40°
A83* LED 20W 3000K PAR38 1200 Lumens, 25°
A84* LED 20W 2700K PAR38 1150 Lumens, 40°
A85* LED 20W 3000K PAR38 1200 Lumens, 40°

E10 LED 4.5W 3000K GU10 200 Lumens, 25°
E20* LED 7W 2700K PAR20 300 Lumens, 20°
E21* LED 7W 3000K PAR20 300 Lumens, 20°
E30* LED 12W 2700K PAR30 740 Lumens, 20°
E31* LED 12W 3000K PAR30 750 Lumens, 20°
E32* LED 12W 2700K PAR30 740 Lumens, 35°
E33* LED 12W 3000K PAR30 750 Lumens, 35°

E80* LED 20W 2700K PAR38 1000 Lumens, 15°
E81* LED 20W 3000K PAR38 1100 Lumens, 15°
E82* LED 20W 2700K PAR38 1000 Lumens, 25°
E83* LED 20W 3000K PAR38 1100 Lumens, 25°
E84* LED 20W 2700K PAR38 1000 Lumens, 40°
E85* LED 20W 3000K PAR38 1100 Lumens, 40°
E88 LED 17W 3000K PAR38 Low Glare 820 Lms, 40°

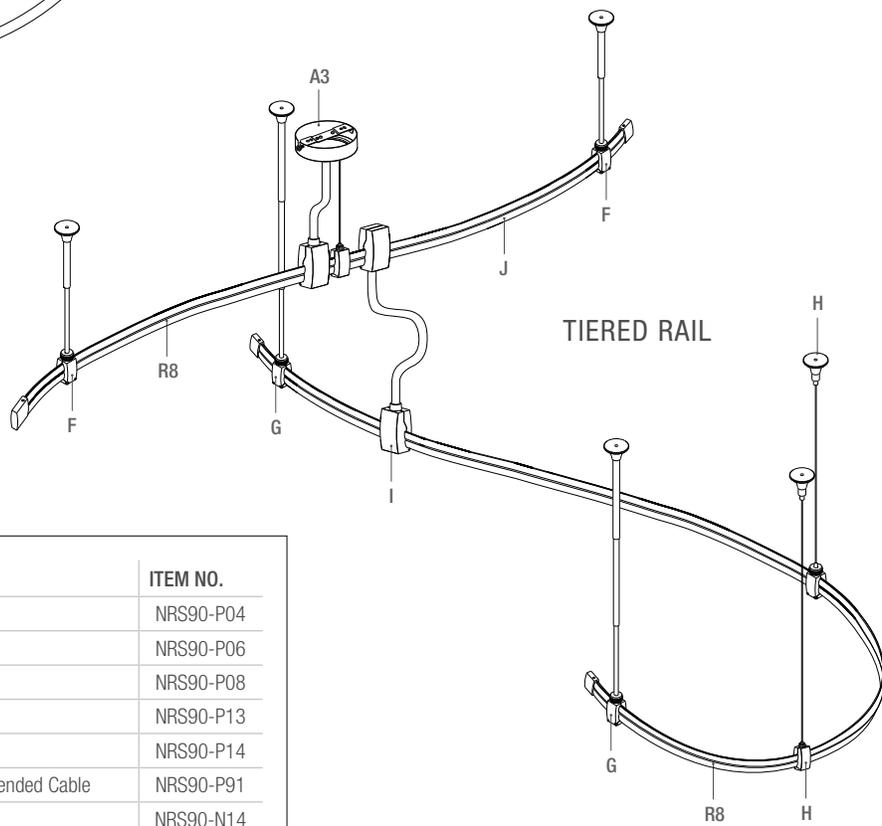
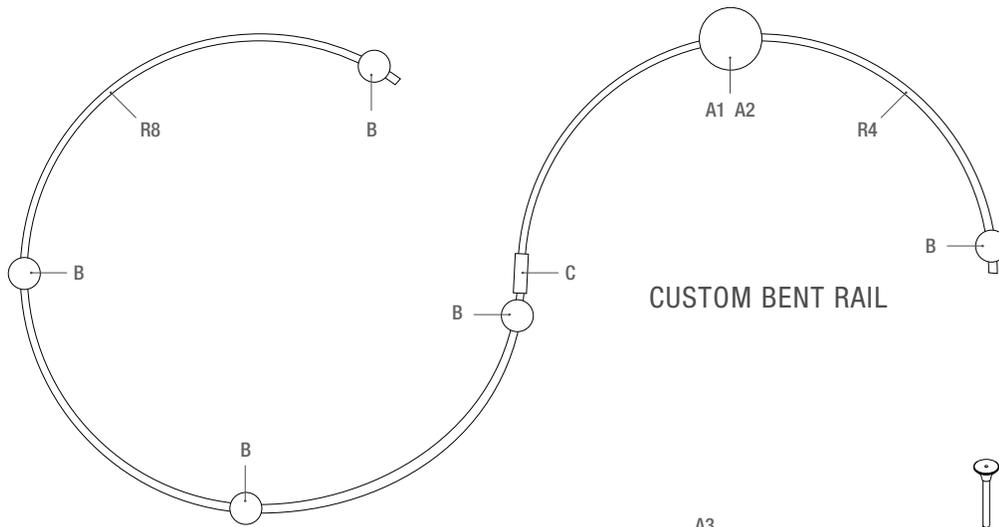
H11* LED 6W 3000K GU10 300 Lumens, 25°

* Dimmable

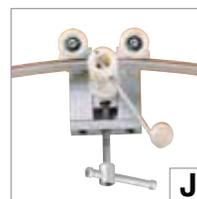
Fixtures above include specified LED lamps. See page 131 for lamp specifications.

LED NORA RAIL

Rail System Sample Layouts



	DESCRIPTION	ITEM NO.
R4	4' Rail	NRS90-P04
R6	6'-6" Rail	NRS90-P06
R8	8' Rail	NRS90-P08
A1	Canopy for Power Stem	NRS90-P13
A2	4" Power Stem	NRS90-P14
A3	Round Power Canopy, 10'-6" Cord and Suspended Cable	NRS90-P91
B	4" Ceiling Connector	NRS90-N14
C	Straight Rail Connector - Power (Live)	NRS90-P81
D	5-1/2" - 8-1/2" Adjustable Wall Connector	NRS90-N18
E	Round Power Canopy w/ Rail Connector	NRS90-P80
F	12" - 24" Adjustable Straight/Soped Ceiling Connector	NRS90-N70
G	25-1/4" - 48" Adjustable Straight/Soped Ceiling Connector	NRS90-N71
H	Rail Connector, 10' Aircraft Cable, Ceiling mount	NRS90-N91
I	Flexible Rail to Rail Connector	NRS90-P82
J	Rail Bending Device (Rail can be bent in field)	NRS90-N33



Specifiable LED Track and Rail



SUFFIX	LAMP TYPE	KELVIN	WATT	LUMENS	BEAM ANGLE	CBCP	DIM	LAMP COLOR	NORA LAMP NUMBER
LED 120V GU10/MR16									
E10	GU10	3000	4.5	200	25	800	No	Silver	5G10LEDE25-30S
H11	GU10	3000	6	300	25	1050	Yes	White	6G10LEDH25D30
LED PAR 20									
E20	PAR 20	2700	7	500	25	3600	Yes	White	7P20LEDE20D27S
E21	PAR 20	3000	7	520	25	3600	Yes	White	7P20LEDE20D30S
A22	PAR 20	2700	8	365	25	1250	Yes	White	8P20LEDA25D27
A23	PAR 20	3000	8	380	25	1300	Yes	White	8P20LEDA25D30
LED PAR 30 SHORT NECK									
E30	PAR30	2700	12	850	25	6600	Yes	White	12P30LEDE20D27S
E31	PAR30	3000	12	950	25	7300	Yes	White	12P30LEDE20D30S
E32	PAR30	2700	12	850	25	2300	Yes	White	12P30LEDE35D27S
E33	PAR30	3000	12	950	25	2700	Yes	White	12P30LEDE35D30S
LED PAR 30 LONG NECK									
A36	PAR30	2700	14	680	40	1250	Yes	White	13P30LEDA40D27
A37	PAR30	3000	14	700	40	1280	Yes	White	13P30LEDA40D30
LED PAR 38									
E81	PAR38	3000	20	1100	12	15000	Yes	Silver	20P38LEDE15D30S
E82	PAR38	2700	18	1200	25	7000	Yes	White	20P38LEDE25D27S
E83	PAR38	3000	18	1300	25	7600	Yes	White	20P38LEDE25D30S
E84	PAR38	2700	18	1200	25	2200	Yes	White	20P38LEDE40D27S
E85	PAR38	3000	18	1300	25	2400	Yes	White	20P38LEDE40D30S
A82	PAR38	2700	19	1150	25	4850	Yes	White	20P38LEDA25D27
A83	PAR38	3000	19	1200	25	5000	Yes	White	20P38LEDA25D30
A84	PAR38	2700	19	1150	40	1970	Yes	White	20P38LEDA40D27
A85	PAR38	3000	19	1200	40	2050	Yes	White	20P38LEDA40D30
LED PAR 38 LOW GLARE									
E88	PAR38	3000	18	1200	40	2400	Yes	White	17P38LEDE40-30S

LED 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)

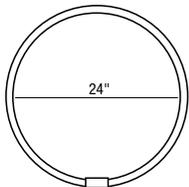
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

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.



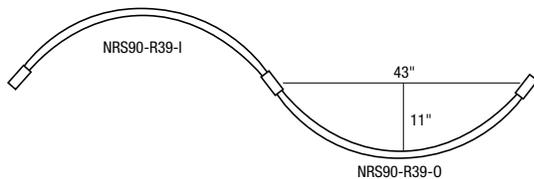
Complete Circle Pre-Bent Rails

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)



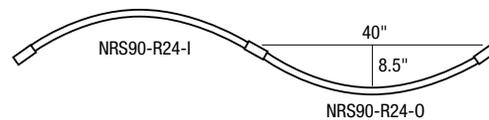
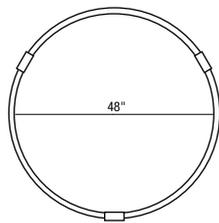
Curve Pre-bent Rails

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



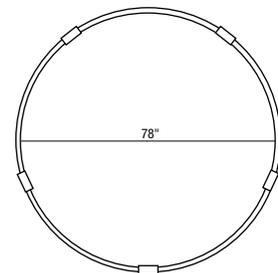
Soft Curve Pre-Bent Rails

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



LED 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: Brushed Nickel (BN), Bronze (BZ), Silver (S)

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: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Rail feeds directly into canopy from wall mounted J-Box



Line Voltage Adjustable Slope Canopy for use with Power Stem

NRS90-P10

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
For use with NRS90-P17, NRS90-P87, NRS90-P88 and NRS90-P89 only.



Grounded Cord and Plug with Rail Connector

NRS90-P99 10'

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
To power Track 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

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" Adj. Power Stem

NRS90-P88 25-1/4" - 48" Adj. Power Stem

NRS90-P89 49-3/4" - 96" Adj. Power Stem

- NRS90-P15 must be used with NRS90-P87, NRS90-P88, NRS90-P89
- Heavy Cast Iron construction for longer stem application

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

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: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Cord is field adjustable



Adjustable Power Cord w/ Canopy and Support Cable

NRS90-P91 10'-6"

NRS90-P91-M1 20'

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Cord and cable are field adjustable



Adjustable Power Cord with Rail Connector and Side Feed to Canopy

NRS90-P80 18" cord

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
· 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.

LED NORA RAIL Accessories



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: Brushed Nickel (BN), Bronze (BZ), Silver (S)

¹ Telescoping supports allow for easy in the field leveling of rail system



Straight Ceiling Rail Support (Standoff)

NRS90-N14	4"
NRS90-N17¹	7-1/2"-11-1/2"

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

¹ Telescoping supports allow for easy in the field leveling of rail system



Straight Connector

NRS90-P81	Power (live)
NRS90-N89	Non-power

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Connects two rails together and will conduct power or not.



Flexible Live Corner Connector

NRS90-P85	9-1/2"
------------------	--------

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Attractive, enclosed flexible electrical connection between two rails



Flexible Rail Power Connector

NRS90-P82	20"
------------------	-----

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

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)



T-Bar Clip and Cover

NRS90-N21	15/16"
NRS90-N22	9/16"

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Attaches to all Rail supports:



Track Fixture Adapter for Rail

NRS90-P31

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Allows Line Voltage track fixtures to be mounted to the Rail



Three Prong Plug Adapter for Rail

NRS90-P30

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Allows a power outlet on the Rail



Universal Pendant Adaptor

NRS90-P86

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

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



Adjustable Aircraft Cable Ceiling Rail Support

NRS90-N91	10'
NRS90-N91-M1	20'

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Cable can be easily adjusted in the field with cutting cable and locking cable device.



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: Brushed Nickel (BN), Bronze (BZ), Silver (S)



Live L-Connector Power Stem

NRS90-P03	7-1/2" - 11-1/2"
------------------	------------------

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Conducts power from J-Box to Rail

Connects and conducts power to two Rails in a "L" pattern



Live T-Connector Power Stem

NRS90-P017	7-1/2" - 11-1/2"
-------------------	------------------

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Conducts power from J-Box to Rail

Connects and conducts power to multiple Rails in a "T" pattern



Live X-Connector Power Stem

NRS90-P027	7-1/2" - 11-1/2"
-------------------	------------------

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Conducts power from J-Box to Rail

Connects and conducts power to multiple Rails in a "X" pattern



Live L-Connector

NRS90-N03

Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)

Use with standard non-power stems

NRS90-N70 series

Connects and conducts power to two Rails in an "L" pattern

LED NORA RAIL Accessories



Live X-Connector
NRS90-N02
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
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: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Use with standard non-power stems
NRS90-N70 series
Connects and conducts power to multiple Rails in a "T" pattern



QuickJack Rail Adapter with Electronic Transformer
NRSE90-P32
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Use with NRS66 series. Patent pending.



Extension Rods for QuickJack
NRS90-P33 6" extension
NRS90-P34 12" extension
NRS90-P35 24" extension
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Rod can be attached to one another
Use with NRS66 series



QuickJack Track Adapter with Electronic Transformer
NTE-370 50W
Finish: Black (B), Silver (S), White (W)
Allows NRS66 Nora Rail series to be put on the standard Track



QuickJack Canopy with Integral Transformer
NRSE90-P47/12
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Includes (1) 60W transformer
For use with NRS66 Series



QuickJack Slope Canopy with Integral Transformer
NRSE90-P12
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Includes (1) 60W transformer
For use with NRS66 Series



QuickJack Shallow Canopy (No Transformer)
NRSE90-P51
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Requires remote transformer.
For use with NRS66 Series



Multi QuickJack Round Canopy with Integral Transformers (3 QuickJacks)
NPE66-203
Finish: Brushed Nickel (BN), Bronze (BZ)
Dimen: 11-7/8" H: 1-3/4"
Includes (3) 60W transformers
For use with NRS66 Series



Multi QuickJack Linear Canopy with Integral Transformers (3 QuickJacks)
NPE66-103
Finish: Brushed Nickel (BN), Bronze (BZ)
W: 26" **L:** 4-1/2" **H:** 1-3/4"
Includes (3) 60W transformers
For use with NRS66 Series



End Cap
NRS90-N01
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
Two end caps included with each rail section



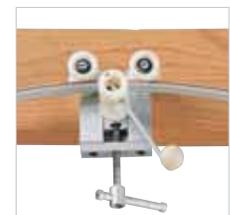
Metal Clamp-on Ring for MR16 lamps
NRS90-N31
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
For use with any fixture with a completely exposed MR16 lamp



MR16 Decorative Ring with Lamp Spring
NRS90-N32
Finish: Brushed Nickel (BN), Bronze (BZ), Silver (S)
For use with NRS11-103, NRS11-104, NRS11-302, NRS11-310, NRS36-103, NRS66-103
MR16 Honeycomb
NT-362 Black (B)
For use with NRS90-N32



MR16 Colored Lenses
NM-100/MR16
Finish: Blue, Yellow, Green, Red, Frosted, Linear, Spread
For use with NRS90-N32



Rail Bending Device
NRS90-N33
Allows custom bending of rail in field



LED Pendant Lighting



Suspended from the ceiling over kitchen center islands, retail counter tops, hospitality lounges or dining tables, pendant lighting can provide focused illumination or a warm ambient glow, depending on the fixtures and light source. Use of a dimmer provides flexibility to vary the light to suit the occasion.

FEATURES

- Pendants available in Monopoint Canopy, Multi-QuickJack Canopy, Track and Rail mounts in multiple light sources
- Large selection of hand-blown art glass

SARIA LED PENDANT with Glowing Glass Edge

LED Complete Pendant

Nora Lighting's new Saria LED mini-pendant is a dazzling high-style fixture for residential and commercial applications. Featuring a sleek, contemporary design, Saria offers two visual effects - as a 1-watt with a spot downlight or a 3-watt with an even flood downlight. A colorful glowing edge creates visual impact and is available with Blue, Green, Red or White LEDs. Saria features 3000K CCT downlight and, as with all LED fixtures, is cool to the touch - there is no projected forward heat or UV.

FEATURES

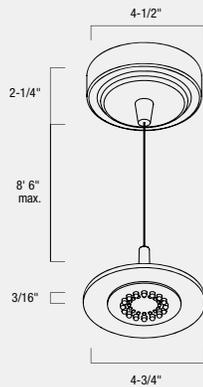
- **Two distinct visual effects** - 1-watt LED with multiple modules create a soft spot downlight glow; or a 3-watt LED source including (3) one-watt LED modules that produce an even flood of concentrated light without glare.
- **Four glowing LED edge colors** - Available in Blue, Green, Red or White.
- **LED Driver** mounted in canopy or track mount



Saria 1W 3000K LED Pendant with Glowing Glass Edge and Monopoint Mount

NCE-830LBU1BN	BLUE EDGE-LIT	1W
NCE-830LGR1BN	GREEN EDGE-LIT	1W
NCE-830LR1BN	RED EDGE-LIT	1W
NCE-830LW1BN	WHITE EDGE-LIT	1W

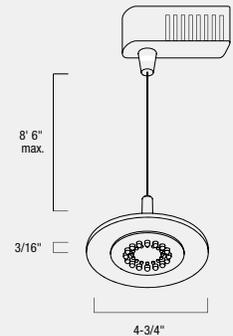
LAMP: Multiple LEDs; total load of 1W
LED COLOR: **BU** Blue, **GR** Green, **R** Red, **W** White
FINISH: **BN** Brushed Nickel
CANOPY: Includes integral LED driver
DIMENSIONS: Glass Dia: 4-3/4" (121mm)
 Glass Depth: 3/16" (5mm)
 Cord: 8' 6" (259cm), field adjustable to any length



Saria 1W 3000K LED Pendant with Glowing Glass Edge and Track Mount

NTE-830LBU1BN(AF)	BLUE EDGE-LIT	1W
NTE-830LGR1BN(AF)	GREEN EDGE-LIT	1W
NTE-830LR1BN(AF)	RED EDGE-LIT	1W
NTE-830LW1BN(AF)	WHITE EDGE-LIT	1W

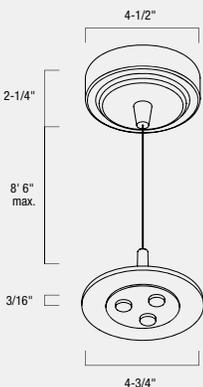
LAMP: Multiple LEDs; total load of 1W
LED COLOR: **BU** Blue, **GR** Green, **R** Red, **W** White
FINISH: **BN** Brushed Nickel
ADAPTER FINISH (AF): **B** Black, **S** Silver, **W** White
TRACK MOUNT: Includes integral LED driver
DIMENSIONS: Glass Dia: 4-3/4" (121mm)
 Glass Depth: 3/16" (5mm)
 Cord: 8' 6" (259cm), field adjustable



Saria 3W 3000K LED Pendant with Glowing Glass Edge and Monopoint Mount

NCE-830LBU3BN	BLUE EDGE-LIT	3W
NCE-830LGR3BN	GREEN EDGE-LIT	3W
NCE-830LR3BN	RED EDGE-LIT	3W
NCE-830LW3BN	WHITE EDGE-LIT	3W

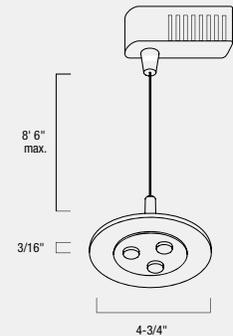
LAMP: (3) 1W LEDs; total load of 3W
LED COLOR: **BU** Blue, **GR** Green, **R** Red, **W** White
FINISH: **BN** Brushed Nickel
CANOPY: Includes integral LED driver
DIMENSIONS: Glass Dia: 4-3/4" (121mm)
 Glass Depth: 3/16" (5mm)
 Cord: 8' 6" (259cm), field adjustable to any length



Saria 3W 3000K LED Pendant with Glowing Glass Edge and Track Mount

NTE-830LBU3BN(AF)	BLUE EDGE-LIT	3W
NTE-830LGR3BN(AF)	GREEN EDGE-LIT	3W
NTE-830LR3BN(AF)	RED EDGE-LIT	3W
NTE-830LW3BN(AF)	WHITE EDGE-LIT	3W

LAMP: (3) 1W LEDs; total load of 3W
LED COLOR: **BU** Blue, **GR** Green, **R** Red, **W** White
FINISH: **BN** Brushed Nickel
ADAPTER FINISH (AF): **B** Black, **S** Silver, **W** White
TRACK MOUNT: Includes integral LED driver
DIMENSIONS: Glass Dia: 4-3/4" (121mm)
 Glass Depth: 3/16" (5mm)
 Cord: 8' 6" (259cm), field adjustable



10W LED PENDANT for Decorative Glass

Nora's new high lumen 10 watt LED pendant is compatible with over 60 Nora glass shades. Uniquely designed to light the glass as well as providing usable down light, the LED module features an architectural die-cast aluminum heat sink. The dimmable driver is mounted in the canopy. Energy savings has never been so beautiful.

FEATURES

- Dimmable driver mounted in canopy
- 520 Lumens using 10 Watts
- 3500K, 80+ CRI using Nichia® LEDs
- Designer heat sink for excellent heat management
- Frosted glass shield evenly distributes the light
- 8.5' field adjustable cord
- Brushed Nickel (BN) or Bronze (BZ)
- Over 60 compatible Nora glass shades

Canopy,
Track
or Rail
Mount

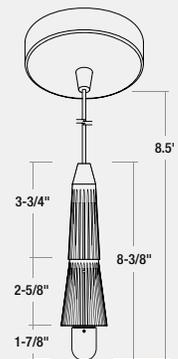


Shown with NRS80-421AQ
Petals Italian Glass

10W 3500K LED Pendant Assembly with Canopy Mount

NRS92-P42/35(finish)

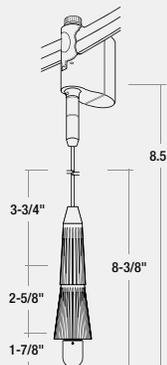
- LAMP:** Single 10W LED module
FINISH: **BN** Brushed Nickel, **BZ** Bronze
MOUNT: Includes integral LED driver
DIMENSIONS: Heat Sink: 3-3/4" (95mm)
 Counter Sink: 2-5/8" (67mm)
 Cord: 8' 6" (259cm), field adjust-
 able



10W 3500K LED Pendant Assembly with Rail Mount

NRS72-453/35(finish)

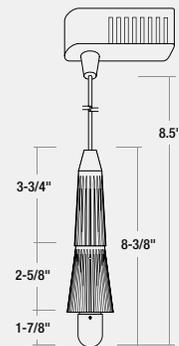
- LAMP:** Single 10W LED module
FINISH: **BN** Brushed Nickel, **BZ** Bronze
MOUNT: Includes integral LED driver
DIMENSIONS: Heat Sink: 3-3/4" (95mm)
 Counter Sink: 2-5/8" (67mm)
 Cord: 8' 6" (259cm), field
 adjustable



10W 3500K LED Pendant Assembly with Track Mount

NTE-164/35(finish)(adapter finish)

- LAMP:** Single 10W LED module
FINISH: **BN** Brushed Nickel, **BZ** Bronze
ADAPTER FINISH: **B** Black, **S** Silver, **W** White
MOUNT: Includes integral LED driver
DIMENSIONS: Heat Sink: 3-3/4" (95mm)
 Counter Sink: 2-5/8" (67mm)
 Cord: 8' 6" (259cm), field
 adjustable



DECORATIVE GLASS

for 10W LED Pendant

Canopy LED Pendant assembly can be specified and ordered as a complete fixture




PETALS

Complete Pendant	NRS92(finish)/421(color)
Glass Only	NRS80-421
Diameter	5-3/4" (146 mm)
Length	10" (254 mm)
Color	AQ, BR, BU, GR, GY, W

AQ
Aqua




KAREN

Complete Pendant	NRS92(finish)/426(color)
Glass Only	NRS80-426
Diameter	4-1/2" (114 mm)
Length	9-1/2" (241 mm)
Color	W, WAQ, WGR, WP, WR

WP
White/Plum




NICOLAS

Complete Pendant	NRS92(finish)/422(color)
Glass Only	NRS80-422
Diameter	6" (152 mm)
Length	10-1/2" (264 mm)
Color	AM, GBR, W

AM
Amber




KAINAN

Complete Pendant	NRS92(finish)/427(color)
Glass Only	NRS80-427
Diameter	6" (152 mm)
Length	10-1/2" (267 mm)
Color	AM, AQ, BR, R, W

BR
Brown




MAYA

Complete Pendant	NRS92(finish)/425(color)
Glass Only	NRS80-425
Diameter	5" (127 mm)
Length	10" (254 mm)
Color	AM, AQ, R, T, W

T
Taupe




LEILANI

Complete Pendant	NRS92(finish)/428(color)
Glass Only	NRS80-428
Diameter	7" (178 mm)
Length	8-1/2" (216 mm)
Color	BR, R, T, W

R
Red

DECORATIVE GLASS

Canopy LED Pendant assembly can be specified and ordered as a complete fixture **for 10W LED Pendant**



AM
Amber

R
Red

W
White

T
Taupe

BRADY

Complete Pendant	NRS92(finish)/429(color)
Glass Only	NRS80-429
Diameter	5-1/2" (140 mm)
Length	9-1/2" (241 mm)
Color	AM, R, T, W



FR
Frost

GR
Green

PK
Peacock

RF
Red Fire

SN
Sun

ANDROMEDA

Complete Pendant	NRS92(finish)/452(color)
Glass Only	NRS80-452
Diameter	4-7/8" (124 mm)
Length	10-1/4" (260 mm)
Color	FR, GR, PK, RF, SN



AQ
Aqua

BR
Brown

R
Red

GR
Green

BELLA

Complete Pendant	NRS92(finish)/430(color)
Glass Only	NRS80-430
Diameter	4-1/4" (108 mm)
Length	7-1/2" (191 mm)
Color	AQ, BR, GR, R, WG



O
Orange

W
White

BU
Blue

CASIE

Complete Pendant	NRS92(finish)/462(color)
Glass Only	NRS80-462
Diameter	5" (127 mm)
Length	10-3/4" (273 mm)
Color	BU, O, W



AM
Amber

T
Taupe

W
White

R
Red

PAXON

Complete Pendant	NRS92(finish)/432(color)
Glass Only	NRS80-432
Diameter	4-3/4" (121 mm)
Length	7-1/2" (191 mm)
Color	AM, R, T, W



FERUS LAYERED GLASS

Complete Pendant	NRS92(finish)/471
Glass Only	NRS80-471
Diameter	4-1/4" (108 mm)
Length	5-5/8" (143 mm)
Color	Black on White

Black on White

DECORATIVE GLASS

for 10W LED Pendant

Canopy LED Pendant assembly can be specified and ordered as a complete fixture




Magna

SEAN

Complete Pendant	NRS92(finish)/472
Glass Only	NRS80-472
Dia. Mid / Bottom	6"(152 mm) / 2-3/4"(70 mm)
Length	9-1/16" (230 mm)
Color	Magna




AM Amber AQ Aqua R Red

CYLINDER BEADED GLASS

Complete Pendant	NRS92(finish)/602(color)
Glass Only	NRS70-602
Diameter	4-1/2" (114 mm)
Length	7-1/2" (191 mm)
Color	AM, AQ, R

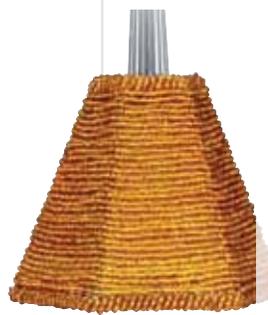
AQ Aqua




White

COCOON

Complete Pendant	NRS92(finish)/473
Glass Only	NRS80-473
Diameter	10-1/4" (260 mm)
Length	6-1/4" (158 mm)
Color	White




AM Amber BG Blue Green CL Clear R Red

HOURLASS BEADED GLASS

Complete Pendant	NRS92(finish)/606(color)
Glass Only	NRS70-606
Diameter	4-1/2" (114 mm)
Length	5-1/2" (140 mm)
Color	AM, BG, CL, R

AM Amber




White on White

BOLLA LAYERED GLASS

Complete Pendant	NRS92(finish)/477
Glass Only	NRS80-477
Diameter	10-1/4" (260 mm)
Length	7-7/8" (200 mm)
Color	White on White



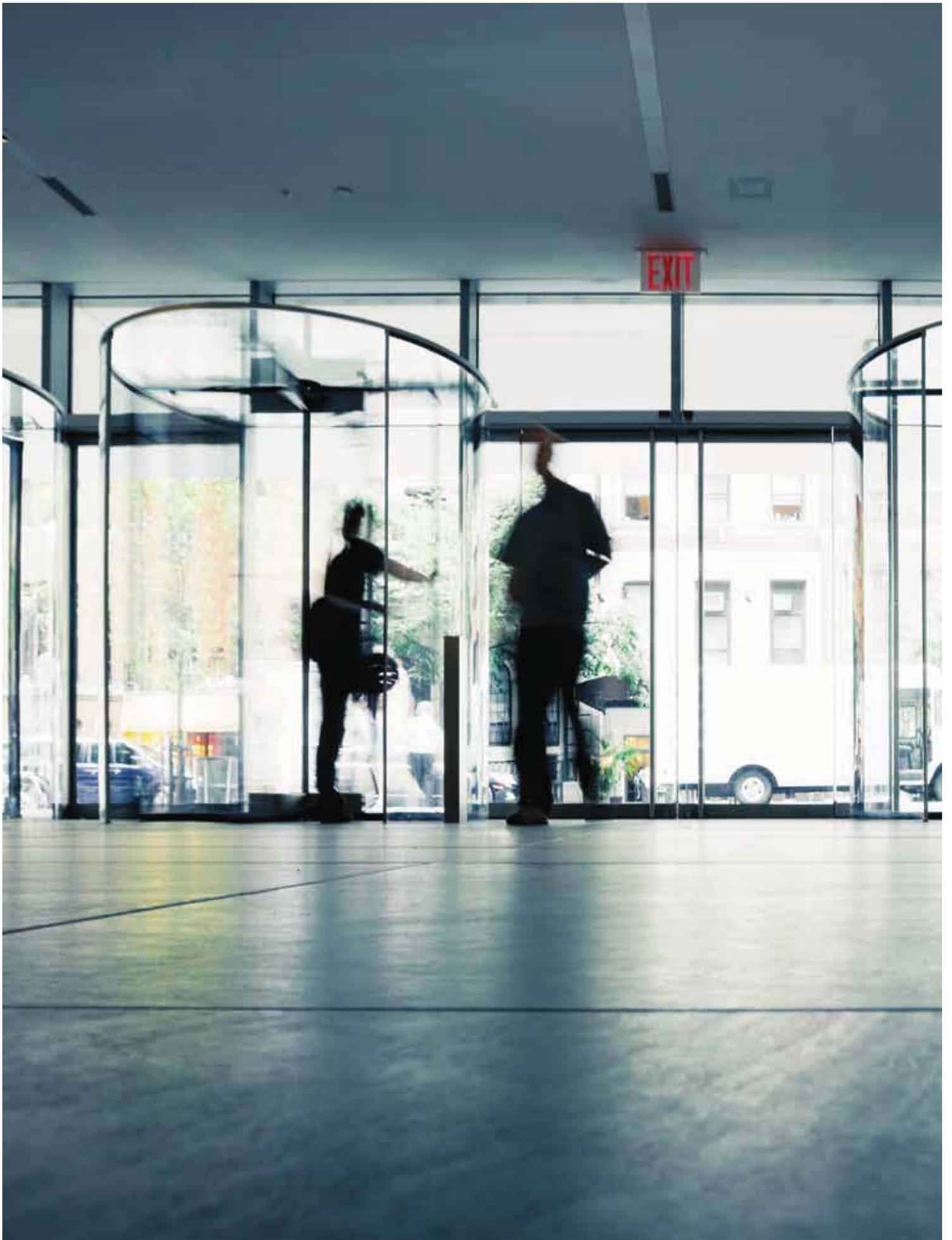

AM Amber BG Blue Green R Red S Silver

TAPERED BEADED GLASS

Complete Pendant	NRS92(finish)/607(color)
Glass Only	NRS70-607
Diameter	6-1/2" (165 mm)
Length	6" (152 mm)
Color	AM, BG, R, S

BG Blue Green





EXIT & EMERGENCY

Building lighting is generally thought of as something that allows occupants to live, move, and work in comfort and safety. Just as importantly, lighting must also help the same people safely and quickly leave a location, whether it is one individual, or a large group.

Situations differ...

They range from those that are simply leaving after a visit, to escaping a catastrophic event.

Environments differ...

The location can be an office building, a restaurant on a beach promenade, a sparsely visited storage area, or an oil rig in the middle of the ocean. The atmosphere can range from dry and hot to air conditioned and cool.

Solutions differ...

Nora Lighting offers fixtures ranging from simple LED emergency lights to efficient LED exit signs, some combined with high performance LED emergency lights. Some have gaskets for salt spray and fog; some have faces that can adjust in the field for wall or ceiling mount. Others have fine brush finished faces to complement architectural settings. Some hang from a wall or ceilings, others are recessed completely inside a ceiling.

One thing remains the same: all Nora signs and fixtures are designed to provide the safest possible egress regardless of the situation, location, or environment and are accessible for virtually any budget consideration.



LED EDGE-LIT EXITS

- Adjustable Face
- Recessed and Surface Mount
- AC, 2-Circuit, and Battery Backup
- Housings in Black, Aluminum, and White
- 120/277V



LED EXIT/EMERGENCY COMBINATIONS

- 120/277V
- Adjustable Head Position
- Wet Location with enclosure



LED DIE-CAST ALUMINUM EXITS

- Available in Self-Diagnostic
- Brushed Aluminum Face
- AC, 2-Circuit, and Battery Backup
- 120/277V

EMERGENCY LED LIGHTS

- Low Profile
- Adjustable heads
- Wall or Ceiling Mount
- 120/277V



LED POLYCARBONATE EXITS

- Black and White Housings
- AC, 2-Circuit, and Battery Backup
- Universal - Double Face, Blank Plate
- Ceiling, Wall, or End Mounted
- Available for Wet, NEMA-4X locations
- 120/277V



STEEL BODY LED

- New York City Approved
- 120/277V



EXIT & EMERGENCY

LED Exit Sign

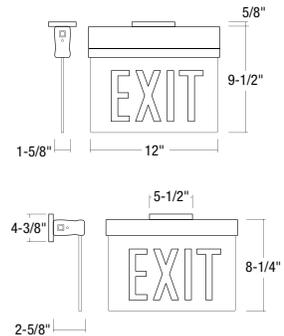


Adjustable LED Edge-Lit

NX-810-LED	AC Only
NX-811-LED	2-Circuit
NX-812-LED	Battery Backup
NX-822-LED	Battery Backup & NY Approved

FINISH: Green or Red Letter
Aluminum, Black or White Housing

LISTING: ETL Listed, NEC, NFPA

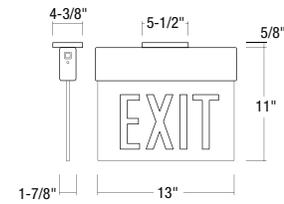


LED Edge-Lit Exit Sign

NX-506	AC Only
NX-508-LED	2-Circuit
NX-604-LED	Battery Backup

FINISH: Green or Red Letter,
Aluminum or White Housing

LISTING: UL Listed, NEC, NFPA



LED Die-Cast Exit Sign

NX-615-LED	Self Diagnostic
NX-505-LED	AC Only
NX-525-LED	2-Circuit
NX-605-LED	Battery Backup

FINISH: Green or Red Letter,
Black or White Housing

LISTING: UL Listed, NEC, NFPA

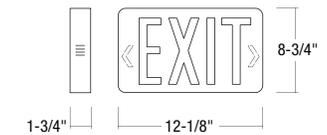


Universal LED Exit Sign

NX-503-LED	AC Only
NX-504-LED	2-Circuit
NX-603-LED	Battery Backup

FINISH: Green or Red Letter,
Black or White Housing

LISTING: UL Listed, NEC, NFPA

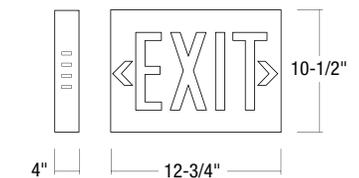


Steel LED Exit Sign (NY Approved)

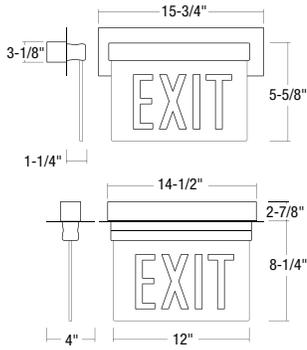
NX-550-LED	Battery Backup
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FINISH: Red Letter,
Black or White Housing

LISTING: UL Listed, NEC, NFPA, NY Approved



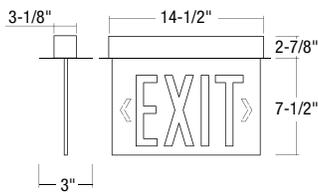
EXIT & EMERGENCY LED Exit Sign & Combo



Recessed Adjustable LED Edge-Lit Exit Sign

NX-813-LED AC Only
NX-814-LED 2-Circuit
NX-815-LED Battery Backup

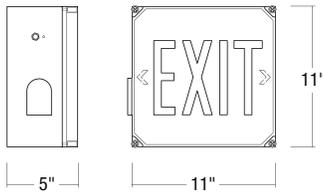
FINISH: Green or Red Letter,
Aluminum or White Housing
LISTING: UL Listed, NEC, NFPA



Recessed LED Edge-Lit Exit Sign

NX-509-LED AC Only
NX-510-LED 2-Circuit
NX-608-LED Battery Backup

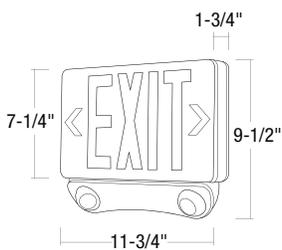
FINISH: Green or Red Letter,
Aluminum or White Housing
LISTING: UL Listed, NEC, NFPA



LED Wet Location Exit Sign

NX-607-LED Battery Backup

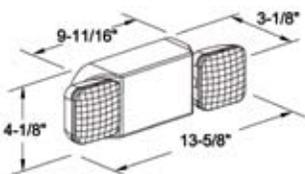
FINISH: Green or Red Letter,
White Housing
LISTING: UL Listed for Wet Location, NEC, NFPA



LED Exit & Emergency Combo

NEX-730-LED Battery Backup

FINISH: Red Letter,
Black or White Housing
LISTING: UL Listed, NEC, NFPA
For Weather proof use with NEG-730



LED Mini Dual Head Emergency Light

NE-502 Battery Backup

FINISH: Black or White Housing
LISTING: UL Listed, NEC, NFPA
For Wet Listing use with Enclosure NEG-50



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