

 **NORA** | *NSPEC*  
LIGHTING®

LED CATALOG

EDITION 6

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

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

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

Over the past 29 years, Nora Lighting has worked diligently to live up to these goals while offering a product line that continues to set benchmarks for innovation, quality, and performance. Our vast array of LED products presented in this LED catalog are a testament to this. Since the development of our first LED downlight in 2011, our team of engineers have continued to produce LED luminaires that achieve new milestones in energy efficiency, lighting quality and design.

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



# Nora's Network

## Nationwide Distribution: Faster Shipping

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

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



## Streamlined Production: Quick Response Assembly

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

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

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
SAMPLE OFFICE	Workplane	Illuminance	Fc	62.61	77.2	42.7
				1.47	1.81	

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

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<b>ABC CORP OFFICE</b>
<b>MY TOWN, USA</b>

Drawn By:	
Checked By:	
Date: 6/20/2017	
Scale:	

Revisions	#	Date	Comments

6505 Gayhart Street Commerce, CA 90040  
800-686-6672  
EMAIL: ALEX@NORALIGHTING.COM

## Free Point-by-Point Lighting Design

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

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

# Services and Capabilities

## World Class Customer Service

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

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

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

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

## The Nora Network: Distribution Channel Partners

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

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

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







## Nora National Accounts: Customized Programs

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

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

## Here's what Nora can do for your company:

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



## Nora Engineering

### Bringing ideas to reality

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



## Nora Technical Support

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



## Easy-to-Navigate Website:

[www.noralighting.com](http://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, square housings, sloped ceiling, retrofit kits, step lighting and accessories.

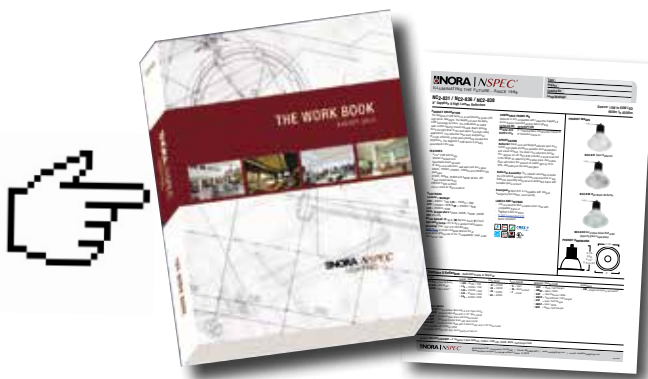
An updated Resources section has been added that offers all Nora literature and advertising with downloadable PDF product catalogs, IES files, Revit files and configurable specification data sheets that can be saved with customer information. Nora order forms and credit applications, along with company news and product updates, are also easily viewed and printable.



## Internet Business Site:

[www.Norainfo.com](http://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](http://www.Norainfo.com). Check in 24 hours a day for updates on order information that you need now.



## FTP Site (Google Drive)

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. Contact your Nora sales rep for access to both Nora Info and our FTP Site.

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

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

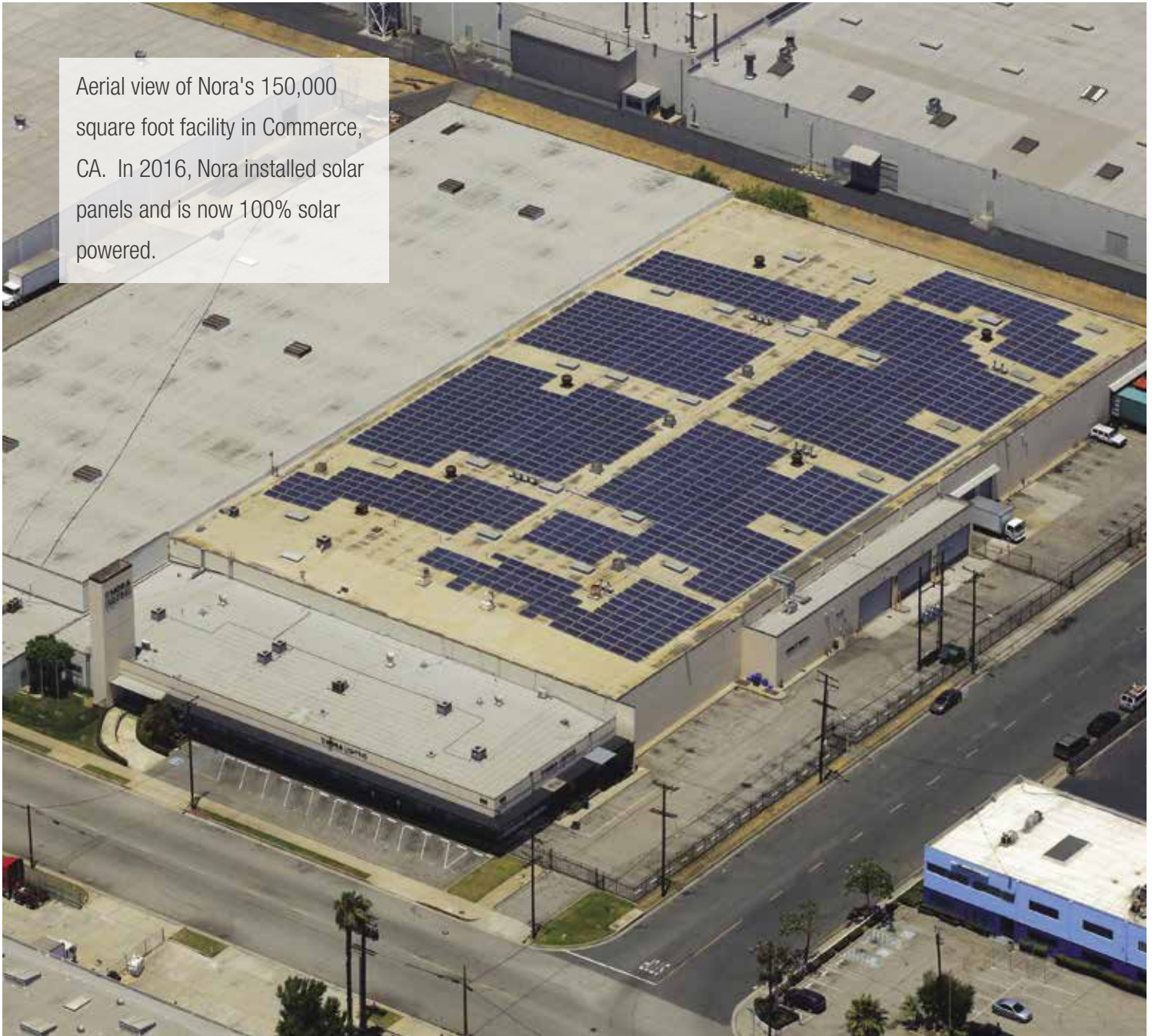
Staffed with talented professionals, this integrated department oversees all Nora sales materials, specification sheets, literature, advertisements, online promotions and product publicity. .... and gives Nora the ability to address fast-paced changes in the lighting industry.

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





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



## Nora Lighting is Committed to Green

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



## Developing products to help you go Green



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

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

## Reducing Our Operational Footprint



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

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

## Green Solutions for New Construction or Renovations

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

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



# Lighting Applications

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

## RETAIL LIGHTING

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

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







## HOSPITALITY AND DINING

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

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

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





## COMMERCIAL LIGHTING

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

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





## RESIDENTIAL

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

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



## HEALTHCARE AND EDUCATIONAL

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





## Color Temperature

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

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



### 2700K Warm Color

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

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



### 3000K - 3500K Neutral Color

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

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

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



### 4000K - 5000K Cool Color

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

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

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



## Understanding CRI

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

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

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

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



CRI = 90



CRI = 80



CRI = 51

# LED Technology

## Tunable White (Selectable CCT)

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

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

## Comfort Dim (Dim to Warm)

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

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

# LED Products Overview

## LED LAY-IN LIGHTING



**p.25**  
Center Basket Troffers  
and Retrofit Troffers



**p.29**  
2'x2', 1'x4', 2'x4'  
Edge-Lit Panels

## LED PENDANTS AND CYLINDERS



**p.33**  
RLM Shades



**p.35**  
6" LED Cylinders and  
2", 3" & 5" iLENE Cylinders

## L-LINE LINEAR



**p.45**  
L-Line  
Linear Series

## SAPPHIRE I AND II DOWNLIGHTS



**p.58**  
4" Sapphire I  
Frame-Ins and Reflectors



**p.60**  
6" Sapphire I  
Frame-Ins and Reflectors



**p.62**  
6" Sapphire I  
Retrofit Reflectors



**p.64**  
8" Sapphire I  
Frame-Ins and Reflectors



**p.66**  
8" Sapphire I  
Retrofit Reflectors



**p.68**  
4" Sapphire II  
Frame-Ins and Reflectors



**p.70**  
6" Sapphire II  
Frame-Ins and Reflectors



**p.72**  
6" Sapphire II  
Retrofit Reflectors



**p.74**  
8" Sapphire II  
Frame-Ins and Reflectors



**p.76**  
8" Sapphire II  
Retrofit Reflectors

## MARQUISE I AND II DOWNLIGHTS



**p.80**  
4", 5" & 6" Marquise I  
Housings and Reflectors



**p.85**  
5" & 6" Marquise I  
Retrofit Reflectors



**p.92**  
4", 5" & 6" Marquise II  
Housings and Reflectors



**p.97**  
5" & 6" Marquise II  
Retrofit Reflectors



**p.102**  
6" Marquise II  
Slope Housings and Reflectors

## IOLITE DEDICATED AND RETROFIT DOWNLIGHTS



**p.108**  
1" Iolite Housings and  
600lm Reflectors



**p.112**  
2" Iolite Housings and  
800lm or 1000lm Reflectors



**p.116**  
4" Iolite Housings and  
800lm or 1000lm Reflectors



**p.126**  
4" PRISM Smart RGBW  
Retrofit Reflectors



**p.127**  
5"/6" PRISM Smart RGBW  
Retrofit Reflectors

# LED Products Overview

## COBALT HIGH LUMEN DEDICATED DOWNLIGHTS



**p.132**  
6" Cobalt Dedicated  
High Lumen Housings



**p.133**  
6" 1500lm or 2000lm  
Cobalt High Lumen Reflectors

## COBALT SHALLOW DEDICATED DOWNLIGHTS



**p.134**  
4" Cobalt Dedicated  
Shallow ICAT Housing



**p.135**  
6" 850lm, 1200lm or 1400lm  
Cobalt Shallow Reflectors

## COBALT RETROFIT DOWNLIGHTS



**p.136**  
4" 750lm or 1000lm  
Cobalt LED Retrofit



**p.138**  
5" 750lm or 1000lm  
Cobalt LED Retrofit



**p.140**  
6" 750lm or 1000lm  
Cobalt LED Retrofit



**p.142**  
4", 5" & 6" 800lm to 1000lm  
Cobalt Adjustable Retrofit



**p.143**  
4" 1000lm  
Cobalt Elbow Retrofit

## ONYX RETROFIT DOWNLIGHTS



**p.146**  
4" 650lm or 900lm  
Onyx LED Retrofit



**p.147**  
5 1/2" 750lm or 1200lm  
Onyx LED Retrofit



**p.147**  
6" 750lm or 1200lm  
Onyx Square LED Retrofit



**p.148**  
4", 5" & 6" LED Dedicated  
New Construction Housings



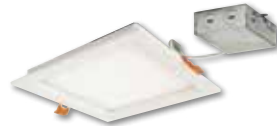
**p.149**  
4", 5" & 6" LED Dedicated  
Remodel Housings

## LED DEDICATED HOUSINGS

## FLIN THIN RECESSED SERIES



**p.151**  
4", 6" & 8" FLIN Series  
Thin Round Recessed



**p.151**  
4", 6" & 8" FLIN Series  
Thin Square Recessed

## OPAL SURFACE MOUNT LUMINAIRES



**p.153**  
4" & 6" AC Opal  
Surface or Recessed



**p.153**  
4", 6" & 8" AC T24 Opal  
Surface or Recessed

24  
PART 6

## SURF SURFACE MOUNT LUMINAIRES



**p.155**  
4" & 7" Surf Round  
Surface Mount Series



**p.155**  
4" & 6" Surf Square  
Surface Mount Series

# LED Products Overview

## MULTIPLE LIGHTING SYSTEM (MLS)



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Trimless and Flanged  
Pull-Down LED Dedicated



**p.159**  
Trimless and Flanged  
Gimbal LED Dedicated



**p.161**  
Flanged Gimbal LED Dedicated  
and PAR LED Compatible



**p.165**  
Mia Die-Cast and  
Mini LED Step Lights



**p.167**  
Brick and Standard  
LED Step Lights

## SPECIALTY LIGHTING



**p.171**  
24V SILK SBC Lightbar  
Linear / Under Cabinet



**p.176**  
120V LEDUR and LEDUR TW  
Under Cabinet



**p.177**  
120V Bravo FROST Linear



**p.179**  
12V / 24V Standard  
LED Tape Light



**p.180**  
24V Standard  
LED Tape Light



**p.181**  
24V Side-Lit  
LED Tape Light



**p.186**  
24V Hy-Brite  
LED Tape Light



**p.187**  
24V High Output  
LED Tape Light



**p.192**  
12V / 24V RGB Color  
Changing LED Tape Light



**p.193**  
24V CCT Color Tuning  
LED Tape Light



**p.197**  
24V RGBW Color Changing  
LED Tape Light



**p.201**  
24V Continuous  
LED Tape Light Rolls



**p.204**  
12V Josh LED Puck Light



**p.207**  
12V LED Puck Light

## 12V AND 24V LED DRIVERS



**p.210**  
NEXUS® LED Driver and  
Dimmer All-In-One



**p.211**  
Non-Dimmable  
Direct Plug-In Drivers



**p.211**  
Non-Dimmable  
Hardwire Drivers



**p.211**  
Dimmable  
Hardwire Drivers



**p.211**  
Dimmable Hardwire  
Drivers with Regulator

# LED Products Overview

## TRACK LIGHTING



**p.214**  
700lm MAC AC  
LED Track Head



**p.215**  
1400lm to 2800lm Jason  
Round LED Track Head



**p.215**  
1400lm to 2800lm Jason  
Square LED Track Head



**p.216**  
1000lm or 2300lm Dipper  
Wall Wash / Indirect



**p.217**  
3000lm or 4460lm T-Wash  
Wall Wash / Linear



**p.218**  
720lm Aiden  
LED Track Head



**p.218**  
1150lm Aiden  
LED Track Head



**p.218**  
2200lm Aiden  
LED Track Head



**p.220**  
3W-50W Versa V-Tech  
Single Track Head



**p.220**  
3W-50W Versa V-Tech  
Dual Track Head



**p.221**  
3W-50W Versa Cylinder  
MR16 LED Track Head



**p.221**  
3W-50W Versa Gimbal Ring  
MR16 LED Track Head



**p.221**  
3W-50W Versa Wireback  
MR16 LED Track Head



**p.221**  
3W-50W Versa Roundback  
MR16 LED Track Head



**p.223**  
Revo Remote Control  
PAR Track Head



**p.224**  
Italia™ 6W GU10 MR16  
LED Track Head



**p.224**  
Metro™ 6W GU10 MR16  
LED Track Head



**p.224**  
Cylinder 6W GU10 MR16  
LED Track Head



**p.225**  
Universal Holder 6-18W PAR  
LED Track Head



**p.225**  
Truly Universal™ Holder  
6-18W PAR LED



**p.225**  
Belgium™ Gimbal  
PAR38 LED



**p.226**  
Gimbal Ring  
PAR20/30/38 LED



**p.227**  
Shroud  
PAR30 or PAR38 LED



**p.229**  
Duet Dual Head  
PAR30 or PAR38 LED



**p.229**  
Architectural Cylinder  
PAR20 or PAR30 LED

# LED Products Overview

## NORA RAIL LIGHTING



**p.238**  
600lm CYNDI  
Rail Fixture



**p.238**  
1400lm CYNDI  
Rail Fixture



**p.238**  
2800lm CYNDI  
Rail Fixture



**p.239**  
Siena Rail Fixture  
6W GU10 MR16 LED



**p.239**  
Neat Rail Fixture  
6W GU10 MR16 LED



**p.239**  
Ives Gooseneck  
6W GU10 MR16 LED



**p.239**  
Exhibit Display  
6W GU10 MR16 LED



**p.240**  
Gimbal Ring  
7W PAR20 LED



**p.240**  
Gimbal Ring  
10-12.5W PAR30 LED



**p.240**  
Gimbal Ring  
17-18W PAR38 LED



**p.240**  
Universal Holder  
6-18W PAR LED

## EXIT AND EMERGENCY



**p.250**  
Exit Signs



**p.255**  
Exit and Emergency  
Combinations

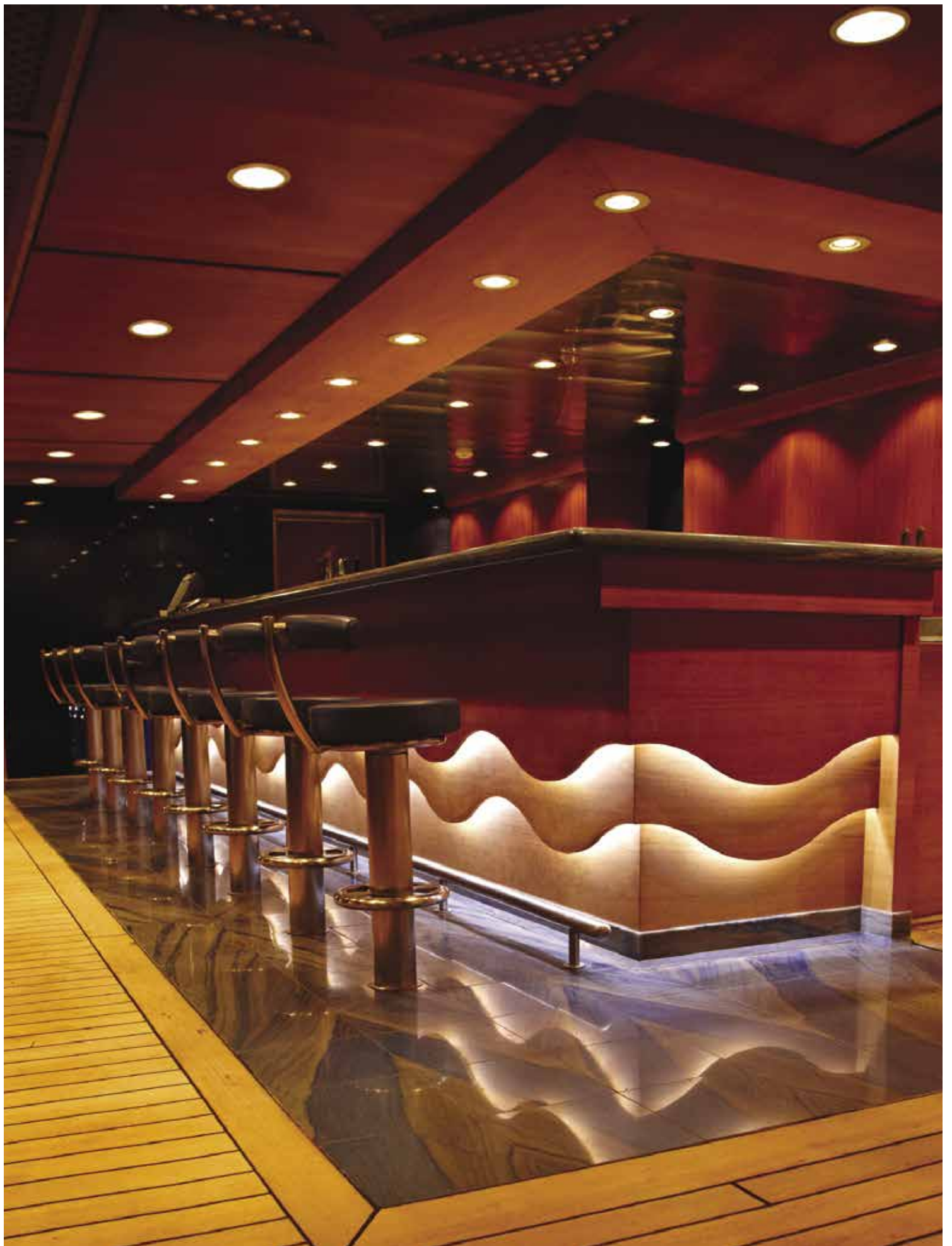


**p.260**  
Emergency / Outdoor  
Wet Location Lighting



**p.262**  
Emergency Lighting







LED TROFFERS



# LED CENTER BASKET TROFFER

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



NPTCB-E22

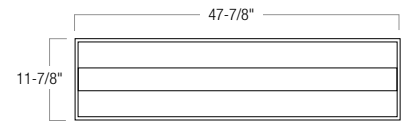
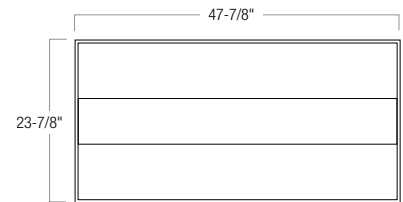
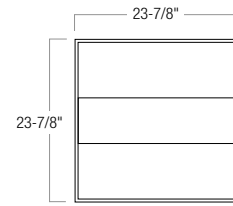


NPTCB-E24



NPTCB-E14

Architectural simplicity defined  
by curves and straight lines



## LED CENTER BASKET TROFFER

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

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

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

### LIGHTING TIP

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

### DESIGN PERFORMANCE FEATURES:

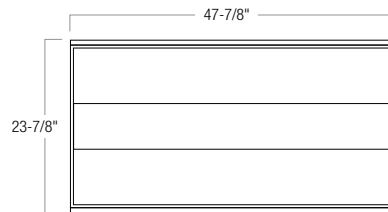
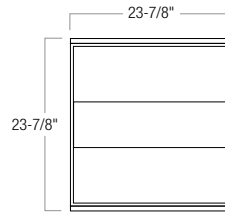
- Available in 2' x 2', 1' x 4' and 2' x 4' configurations
- Four CCT options: 3000K, 3500K, 4000K and 5000K
- 2' x 2' - 34W / 3600 Lumens
- 1' x 4' - 34W / 3600 Lumens
- 2' x 4' - 37W / 4000 Lumens or 53W / 6100 Lumens
- Optional emergency battery backup
- Removeable diffused lens evenly distributes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



# LED CENTER BASKET RETROFIT TROFFER

## 2X2 AND 2X4 · RETROFIT

Patent No. 9,206,948



### LED CENTER BASKET RETROFIT TROFFER

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

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

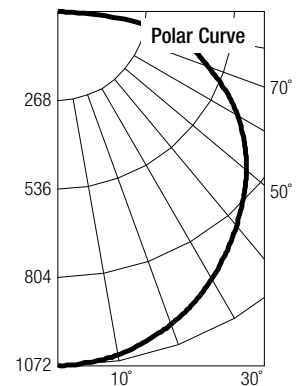
Specification grade LED center basket troffers provide smooth and uniform general lighting for commercial and industrial applications. Upgrade old fluorescents quickly and without a mess. Luminaires are 120V/277V input with 0–10V dimming, multiple sizes, and a range of kelvin temperatures. The fixtures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

#### RETROFIT INSTALLATION

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

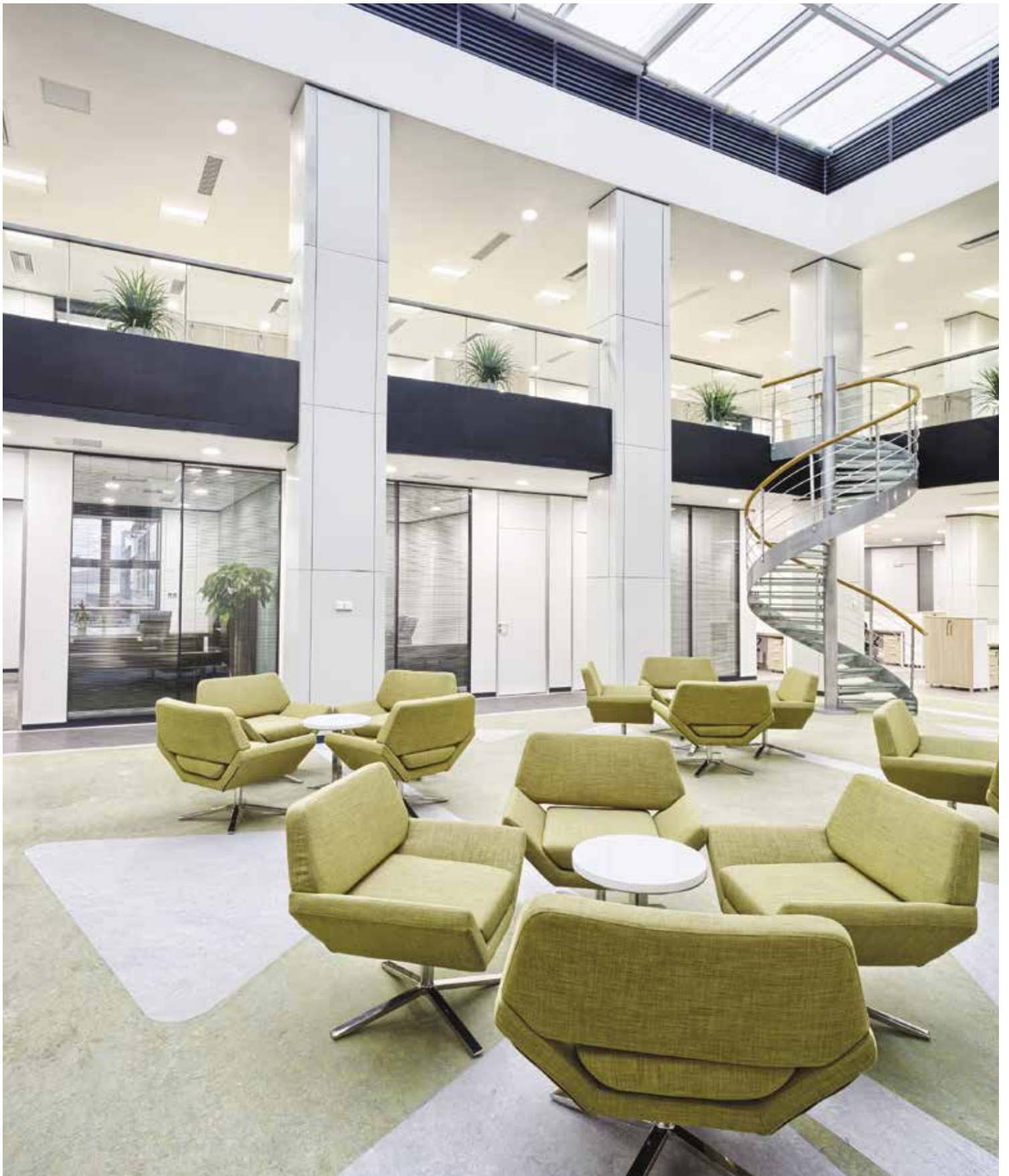
#### DESIGN PERFORMANCE FEATURES:

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









LED PANELS

# LED EDGE-LIT PANELS

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



## LED EDGE-LIT PANELS

FRAME TYPE	TEMP	FINISH	EMERGENCY
<b>NPD-E22</b> 2' x 2' / 4000lm / 35W	<b>/30</b> 3000K	<b>A4HL</b> Aluminum*	<b>EM</b> Emergency with Remote Test Switch
<b>NPD-E14</b> 1' x 4' / 3900lm / 34W	<b>/35</b> 3500K		
<b>NPD-E24</b> 2' x 4' / 5400lm / 45W	<b>/40</b> 4000K		
	<b>/50</b> 5000K		

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

\* White frame available - consult factory

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.

### LIGHTING TIP

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

### DESIGN PERFORMANCE FEATURES:

- Available in 2' x 2', 1' x 4' and 2' x 4' configurations
- NPD - Diffused matte white opalescent lens
- Non-yellowing PMMA light guide
- Four CCT options: 3000K, 3500K, 4000K and 5000K
- 1' x 4' - 34W and 3900 Lumens
- 2' x 2' - 35W and 4000 Lumens
- 2' x 4' - 45W and 5400 Lumens
- Sealed optics- no maintenance
- Replaces 2' x 2', 1' x 4' 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
- 5-Year limited warranty
- cULus Listed for Damp Location
- DLC Listed



# LED EDGE-LIT PANELS

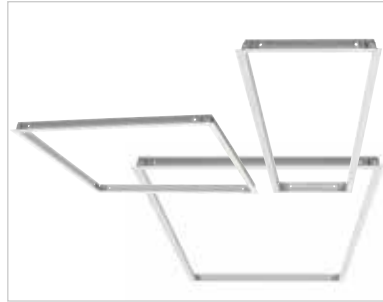
## ACCESSORIES



Surface Mounting Frame for LED Panels

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

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



Recessed Mounting Kit for LED Panels and Center Basket Troffers

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

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



Universal Pendant Mounting Kit for LED Panels

### NPD-PK

Includes canopy, cords and cables

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

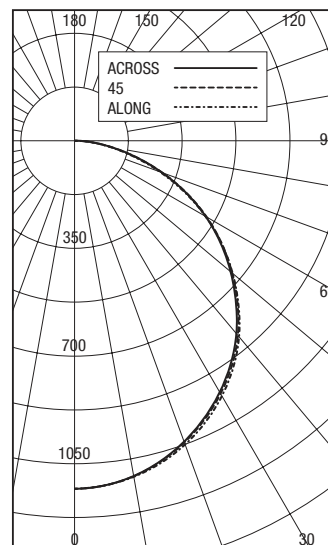
## PHOTOMETRICS

### APPLICATION REFERENCE

2' x 2' Edge-Lit Panel vs 2' x 4' Edge-Lit Panel  
Based on 50' x 40' & 9' Ceiling

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

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







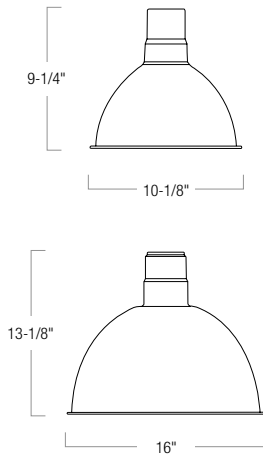


RLM SHADES



# RLM SHADES

2500LM TO 3800LM 10" & 16"



NRLM-10



NRLM-16

## 10" OR 16" RLM SHADES

FAMILY	SHADE SIZE	MOUNTING	LUMENS / WATTAGE	COLOR TEMP	SHADE FINISH	DRIVER
NRLM	-10 10"	C Pendant Cord	30 3000lm / 36W	30 3000K	BW Black Outer / White Inner	LE4 120-277V Input; Triac / ELV / 0-10V dimming
	-16 16"		25 2500lm / 27W 38 3800lm / 48W	35 3500K 40 4000K	GMW Gun Metal Outer / White Inner WW White Outer / White Inner	

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

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

### ELECTRICAL:

Voltage: 120-277V

Lumens / Wattage:

10" - 3000lm / 36W

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

Color Rendering Index: 90+ CRI

Color Temperature: 3000K, 3500K, 4000K

Dimming: Triac, ELV or 0-10V

### CONSTRUCTION:

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

### INSTALLATION:

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

### FINISH:

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

### LISTING & WARRANTY:

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

## PHOTOMETRICS

Test Number: 12311299.07

Part Number: NRLM-16C3830WW

Lumens: 4086lm

Wattage: 46.1W

Efficacy: 89lpw

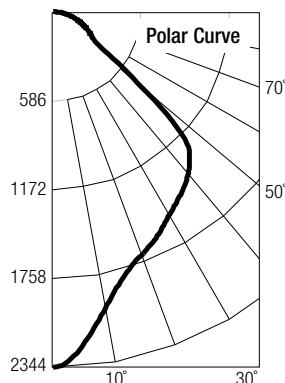
CCT / CRI: 3000K / 90 CRI

Spacing Criteria (0°-180°): 0.98

Spacing Criteria (90°-270°): 0.98

## Illuminance at a Distance

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



## Candela Table

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

## Zonal Lumen Summary

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





CYLINDERS

# LED CYLINDER

## SMART RGBW COLOR CHANGING 6" PRISM CYLINDER



Smart RGBW to control with a smartphone or remote!

### FOUR MOUNTING STYLES

### 6" SMART RGBW COLOR CHANGING PRISM CYLINDER

FAMILY	MOUNTING	LUMENS / WATTAGE	REFLECTOR TYPE	COLOR TEMPERATURE	REFLECTOR/FLANGE FINISH	CYL. FINISH	INPUT VOLTAGE	CABLE
<b>NYLP-6</b>	<b>C</b> Cable <b>P</b> Pendant Stem <b>S</b> Surface <b>W</b> Wall Mount	<b>08</b> 800lm / 13W	<b>1</b> Reflector <b>2</b> Baffle	<b>PR</b> 2700K to 3000K & RGBW	<b>BB</b> Black/Black <b>BZ</b> Bronze/Bronze <b>WW</b> White/White	<b>B</b> Black <b>W</b> White	<b>(blank)</b> 120V	<b>AC</b> Aircraft Cable <i>(for Cable Mount only)</i>

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

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

**ELECTRICAL:**

- Voltage:** 120V
- Lumens / Wattage:** 800lm / 13W
- Color Rendering Index:** 90+ CRI
- Color Temperature:** 2700K, 3000K, 3500K, 4000K or thousands of RGBW color possibilities.
- Dimming:** Accomplished through smartphone, hand-held remote or wall switch. Nora recommends removing existing dimmers that control a circuit in which cylinder is to be installed.

**CONSTRUCTION:**

- Cylinder Cap:** High quality 0.040" steel cap with universal slots to allow for surface mounting over a junction box. Incorporates thread in the center to accept pendant rods or cable mounting. Three screws on the bottom of cap secure cylinder body to cylinder cap. (Adjustable with flathead screw drive).
- Cylinder Body:** 0.040" steel cylindrical body with three keyhole slots allowing body to be installed to cylinder cap. Spring brackets accept torsion wing trim springs. Four butterfly clips also accommodate for spring-less trims.

**ACCESSORIES:**

- Master remote control, zone remote control and decora wall switch are available on page 128.

**INSTALLATION:**

- Cable Mount** consists of center mounted aircraft cable and offset cable (5-wire) for power and dimming.
- Stem Mount** includes canopy and 7' (consisting of three 12" and two 24" pieces) internally threaded rods. 0-10V dimming spec will include a separate offset cable (2-wire).
- Surface Mount and Wall Mount** supplied with hardware to mount directly to junction box.
- Quick Connector:** The reflector LED module installs into the Cylinder body with supplied quick connector.

**LISTING & WARRANTY:**

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







# LED CYLINDER

## HIGH PERFORMANCE LED 6" SAPPHIRE I CYLINDER



FOUR MOUNTING STYLES

### 6" HIGH PERFORMANCE SAPPHIRE I CYLINDER

FAMILY	MOUNTING	LUMENS	REFLECTOR TYPE	COLOR TEMP	REFLECTOR / FLANGE FINISH	FINISH	DIMMING	CABLE
<b>NYLS-6</b>	<b>C</b> Cable	<b>8</b> 850lm	<b>1</b> Reflector	<b>27</b> 2700K	<b>DB</b> Diffused Clear/Black Fl.	<b>B</b> Black	<b>1</b> 120V Triac/ELV (850-1250lm) <b>2</b> 120V Non-Dim (2000-4000lm) <b>2</b> 277V Non-Dim <b>4</b> 120V Triac/ELV or 0-10V / 277V 0-10V	<b>AC</b> Aircraft Cable (for Cable Mount only)
	<b>P</b> Pendant Stem	<b>1</b> 1250lm	<b>8</b> Reflector for Deco Glass	<b>30</b> 3000K	<b>DW</b> Diffused Clear/White Fl.	<b>W</b> White		
	<b>S</b> Surface	<b>2</b> 2000lm		<b>35</b> 3500K	<b>HB</b> Haze/Black Flange			
	<b>W</b> Wall Mount	<b>3</b> 3000lm <b>4</b> 4000lm		<b>40</b> 4000K <b>CD</b> Comfort Dim†	<b>HW</b> Haze/White Flange <b>WW</b> White/White Flange			

Example: **NYLS-6C8127HBB1AC** - 6" High Performance LED Cylinder, Cable Mounted, 850lm, 2700K, Haze Reflector / Black Flange, Black Cylinder, Aircraft Cable

† Comfort Dim only available on 850 & 1250 Lumen & ELV dimming only

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

#### ELECTRICAL:

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

#### Lumens / Wattage:

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W, 4000lm / 42W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

**COMFORT DIM:** Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve. Comfort Dim is available up to 1250lm output and with ELV dimming only.

#### CONSTRUCTION:

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

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

#### INSTALLATION:

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

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

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

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

#### LISTING & WARRANTY:

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



# LED CYLINDER

## 6" ONYX CYLINDER 750LM OR 1200LM



FOUR MOUNTING STYLES

### 6" 750LM OR 1200LM ONYX CYLINDER

FAMILY	MOUNTING	LUMENS / WATTAGE	REFLECTOR TYPE	COLOR TEMP	REFLECTOR/FLANGE FINISH	CYL. FINISH	INPUT VOLTAGE	CABLE
NYLO-6	C Cable	075 750lm / 12W	1 Reflector	27 2700K	WW White / White	B Black W White	(blank) 120V	AC Aircraft Cable <i>(for Cable Mount only)</i>
	P Pendant Stem	12 1200lm / 17.5W	2 Baffle	30 3000K				
	S Surface			40 4000K				
	W Wall Mount			50 5000K				

Example: NYLO-6P12130WWW - 6" Onyx Cylinder, Pendant Mounted, 1200lm / 17.5W, 3000K, White Reflector / White Flange, White Cylinder

Architectural grade LED Cylinder with deep set optics featuring a reflector or baffle cone for optimal visual comfort. Utilizing Samsung family of LED arrays, giving bright spectacular light output and low power consumption.

**ELECTRICAL:**

**Voltage:** 120V  
**Lumens / Wattage:** 750lm / 12W or 1200lm / 17.5W  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 4000K, 5000K  
**Dimming:** Triac or ELV

**CONSTRUCTION:**

**Cylinder Cap:** High quality 0.040" steel cap with universal slots to allow for surface mounting over a junction box. Incorporates thread in the center to accept pendant rods or cable mounting. Three screws on the bottom of cap secure cylinder body to cylinder cap. (Adjustable with flathead screw drive).  
**Cylinder Body:** 0.040" steel cylindrical body with three keyhole slots allowing body to be installed to cylinder cap. Spring brackets accept torsion wing trim springs. Four butterfly clips also accommodate for spring-less trims.

**INSTALLATION:**

**Cable Mount** consists of center mounted aircraft cable and offset cable (5-wire) for power and dimming.  
**Stem Mount** includes canopy and 7' (consisting of three 12" and two 24" pieces) internally threaded rods. 0-10V dimming spec will include a separate offset cable (2-wire).  
**Surface Mount and Wall Mount** supplied with hardware to mount directly to junction box.  
**Quick Connector:** The reflector LED module installs into the Cylinder body with supplied quick connector.

**LISTING & WARRANTY:**

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





# LED CYLINDER

## SPECIFIABLE BEAM SPREAD 6" SAPPHIRE II CYLINDER



FOUR MOUNTING STYLES

### 6" SPECIFIABLE BEAM SPREAD SAPPHIRE II CYLINDER

FAMILY	MOUNTING	LUMENS	REFLECTOR TYPE	COLOR TEMP	BEAM SPREAD	REFLECTOR / FLANGE FINISH	FINISH	DIMMING	CABLE
NYLS2-6	C Cable	09 900lm	1 Reflector	27 2700K	S Spot	DB Diffused Clear/Black Fl.	B Black	2 277V 0-10V	AC Aircraft Cable (for Cable Mount only)
	P Pendant Stem	15 1500lm	8 Reflector for Deco Glass	30 3000K	M Medium	DW Diffused Clear/White Fl.	W White	2ND 277V Non-Dim	
	S Surface	25 2500lm		35 3500K	F Flood	HB Haze/Black Flange		3 120V Triac/ELV	
	W Wall Mount	35 3500lm		40 4000K		HW Haze/White Flange WW White/White Flange		5 120V 0-10V 5ND 120V Non-Dim	

Example: **NYLS2-6C25127SHBB2AC** - 6" Sapphire II LED Cylinder, Cable Mounted, 2500lm, 2700K, Spot Beam Spread, Haze Reflector / Black Flange, Black Cylinder, Aircraft Cable

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

#### ELECTRICAL:

**Voltage:** 120V or 277V

**Lumens / Wattage:**

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

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

#### CONSTRUCTION:

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

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

#### INSTALLATION:

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

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

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

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

#### LISTING & WARRANTY:

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



# LED CYLINDER

## 6" COBALT CYLINDER 750LM OR 1000LM



Cable Mount



Pendant Stem Mount

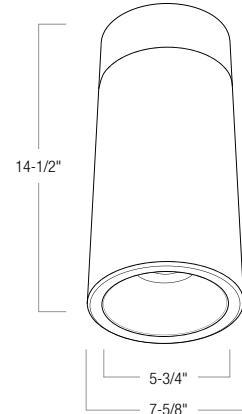


Surface Mount



Wall Mount

### FOUR MOUNTING STYLES



### 6" 750LM OR 1000LM COBALT CYLINDER

FAMILY	MOUNTING	LUMENS / WATTAGE	REFLECTOR TYPE	COLOR TEMP	REFLECTOR/FLANGE FINISH	CYL. FINISH	DIM OPTION	CABLE
<b>NYLD-6</b>	<b>C</b> Cable	<b>2</b> 750lm / 12W	<b>1</b> Reflector	<b>27</b> 2700K	<b>BB</b> Black/Black	<b>B</b> Black	<b>(blank)</b> 120V Triac/ELV	<b>AC</b> Aircraft Cable <i>(for Cable Mount only)</i>
	<b>P</b> Pendant Stem	<b>9</b> 1000lm / 16W	<b>2</b> Baffle	<b>30</b> 3000K	<b>BW</b> Black/White	<b>W</b> White	<b>2</b> 277V Non-Dim	
	<b>S</b> Surface			<b>35</b> 3500K	<b>BZ</b> Bronze/Bronze		<b>4</b> 120V Triac/ELV or 0-10V	
	<b>W</b> Wall Mount			<b>40</b> 4000K	<b>CO</b> Copper/Copper		<b>277</b> 0-10V	
			<i>Not all finishes available on all styles and wattages.</i>		<b>DB</b> Diffused Clear/Black			
					<b>DW</b> Diffused Clear/White			
					<b>HZW</b> Haze/White			
					<b>MPW</b> Matte Powder White			
					<b>NN</b> Nat. Metal/Nat. Metal			
					<b>WW</b> White/White			

Example: **NYLD-6P9130WWW** - 6" Pendant Mounted Cylinder, 1000lm / 16W, 3000K, White Reflector / White Flange, White Cylinder

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

#### ELECTRICAL:

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

**Lumens / Wattage:** 750lm / 12W or 1000lm / 16W

**Color Rendering Index:** 90+ CRI

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

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

#### CONSTRUCTION:

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

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

#### INSTALLATION:

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

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

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

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

#### LISTING & WARRANTY:

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



# LED CYLINDER

## MEDIUM BASED INCANDESCENT / LED 6" CYLINDER



FOUR MOUNTING STYLES

### 6" INCANDESCENT MEDIUM BASE LED COMPATIBLE

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

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

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

#### ELECTRICAL:

**Input Voltage:** 120V

**Socket:** Medium Base

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

**Wattage:** 300W max. or labeled for reduced wattage

**Dimming:** Varies depending on lamp

#### CONSTRUCTION:

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

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

#### INSTALLATION:

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

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

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

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

#### LISTING & WARRANTY:

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

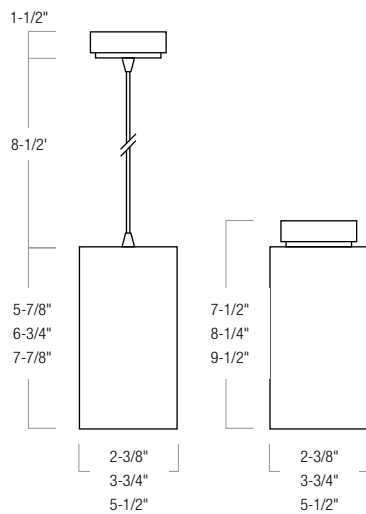






# LED MINI CYLINDER

## 1000LM TO 2000LM iLENE LED



NYLM-2SC · NYLM-2C

NYLM-3SC · NYLM-3C

NYLM-5SC · NYLM-5C

### iLENE LED MINI CYLINDER

CATALOG NO.	MOUNTING	COLOR TEMP	FINISH	DRIVER OPTIONS
<b>NYLM-2</b> 2"	<b>C</b> Cable Pendant	<b>27X</b> 2700K	<b>BB</b> Black	<b>LE3</b> 120V input; Triac/ELV dimming (NYLM-2 only)
<b>NYLM-3</b> 3"	<b>SC</b> Surface	<b>30X</b> 3000K	<b>SS</b> Silver	<b>LE4</b> 120V input; Triac/ELV or 0-10V dimming
<b>NYLM-5</b> 5"		<b>40X</b> 4000K	<b>WW</b> White	277V input; 0-10V dimming

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

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

**ELECTRICAL:**  
**Voltage:** 120V (LE3) or 120/277V (LE4)  
**Lumens / Wattage:**  
 (2") 1000lm / 14W, (3") 1500lm / 25W,  
 (4") 2000lm / 35W  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 4000K  
**Dimming:** Triac, ELV or 0-10V

**CONSTRUCTION:**  
 Extruded aluminum cylinder with aluminum vented top. Driver is mounted in the canopy to dissipate heat away from the LED module and extend life expectancy.  
**Optic:** Each iLENE Cylinder includes three field-changeable reflectors for spot, narrow flood and flood (installed) beam spread.



#### Translucent Deco Collar

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

**FINISH:** BLU Blue; FR Frost; AM Amber; R Red

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



#### Opaque Collar Snoot

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

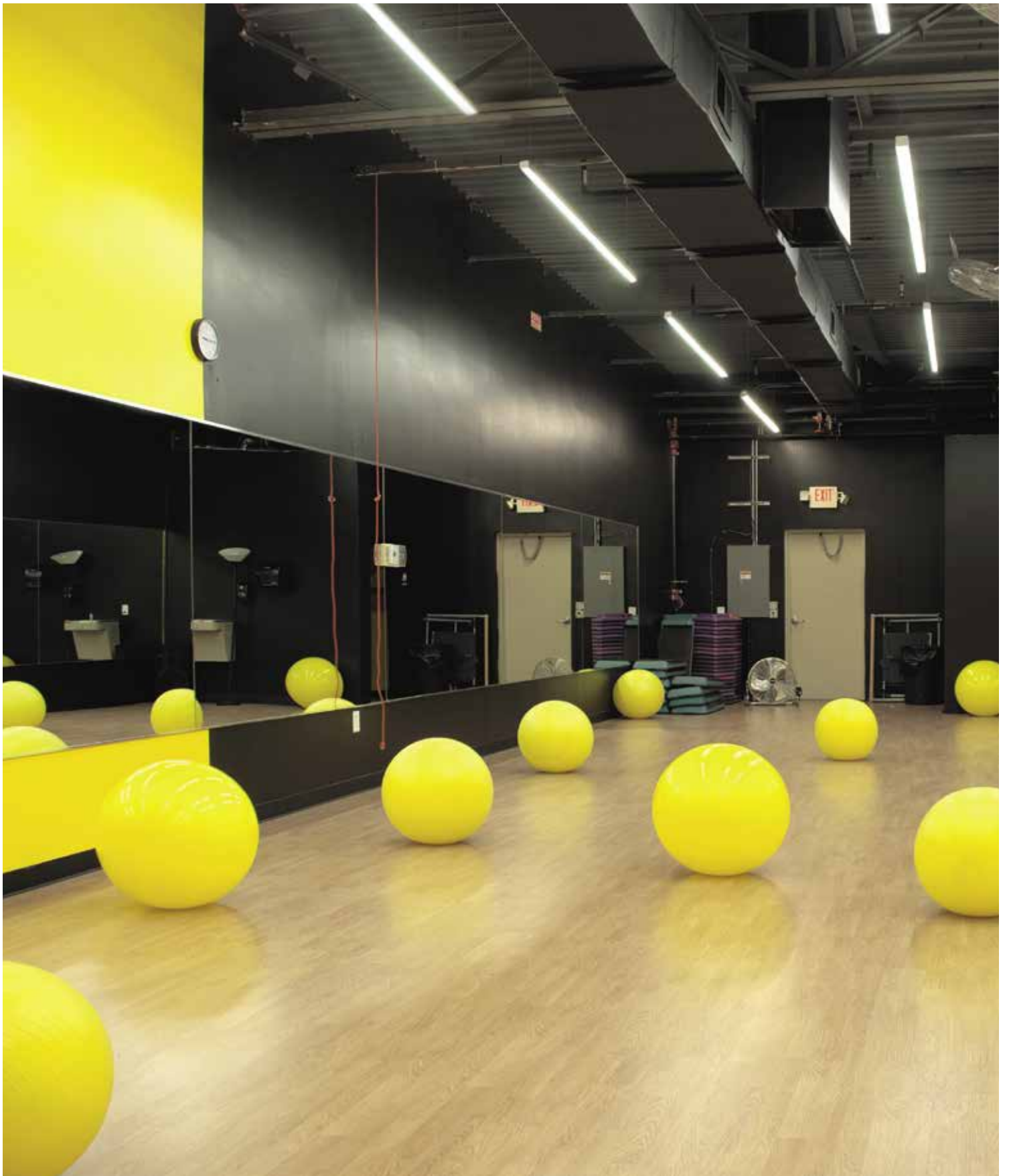
**COLOR:** BLK Black; MPW Matte Powder White; WH White

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

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

**LISTING & WARRANTY:**  
 · cULus Listed for Damp Location  
 · ENERGY STAR® certified  
 · 5-Year Limited Warranty



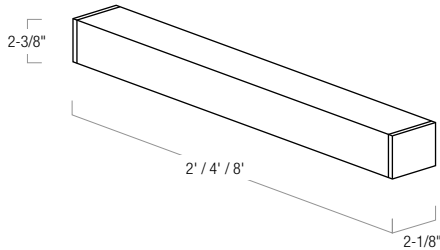


LINEAR



# L-LINE SERIES

2', 4' & 8' @ 1000LM/FT LINEAR



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

## 1000LM/FT L-LINE LED LINEAR

SERIES	LENGTH	LUMENS PER FOOT	COLOR TEMP	FINISH	DRIVER
NLIN L-Line Linear	-2 2 ft.	10 1000lm/ft.	30 3000K	A Aluminum	(blank) 120-277V Input; 0-10V dimming
	-4 4 ft.		35 3500K		
	-8 8 ft.		40 4000K		

Example: **NLIN-81030A** - 8' L-Line LED Linear, 1000lm/ft., 3000K, Aluminum Finish, 120-277V input; 0-10V dimming

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

### ELECTRICAL:

**Voltage:** 120-277V  
**Lumens / Wattage:**  
 2' - 2100lm / 20W, 4' - 4200lm / 40W  
 8' - 8400lm / 80W  
**Color Rendering Index:** 80+ CRI  
**Color Temperature:** 3000K, 3500K, 4000K  
**Dimming:** 0-10V  
**Maximum Run Length:** 80'

### CONSTRUCTION:

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

### INSTALLATION:

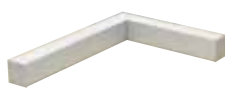
**Mounting:** Luminaires include an extruded slot for surface mounting, pendant mounting or recessed\* mounting options.

### LISTING & WARRANTY:

- cULus Listed for Damp Location
- 5-Year Limited Warranty



NLIN-X



NLIN-L



NLIN-T

## L-LINE LED LUMINOUS CONNECTORS

CONNECTOR	LUMENS PER FOOT	COLOR TEMP	FINISH
NLIN-X X-Connector	10 1000lm/ft.	30 3000K	A Aluminum
NLIN-L L-Connector		35 3500K	
NLIN-T T-Connector		40 4000K	

Example: **NLIN-L1030A** - L-Connector, 1000lm/ft., 3000K, Aluminum finish

## L-LINE MOUNTING KITS

### MOUNTING KIT

- NLIN-PCCA** Pendant & Power Mounting Kit (aircraft + power cord canopy & aircraft canopy)
- NLIN-CCA** Pendant Mounting Kit (aircraft canopy)
- NLIN-JBCW** Junction Box Cover for Surface Mounting, white finish



### ACCESSORIES:

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

\* Consult factory for recessed availability



RECESSED

# THE MOST COMPLETE LINE OF LED DOWNLIGHTS

ARCHITECTURAL · COMMERCIAL · RESIDENTIAL · RETROFIT

## SAPPHIRE SERIES

Architectural and Commercial LED Downlights

A high efficiency commercial series available with two different LED packages, Cree TrueWhite® or Cree COB.

Available in 4", 6" & 8" apertures up to 8000 lumen packages in 2700K, 3000K, 3500K, 4000K or

Comfort Dim technology. Featuring deep cone open reflectors, wall wash or decorative glasses reflectors. Frame-in options include universal architectural/ commercial, remodel or retrofit existing frame-ins.



## MARQUISE SERIES

IC Rated Commercial & High-End Residential

Commercial and high-end residential series that utilizes the same two LED packages as the Sapphire Series. Available in 4", 5" &

6" apertures up to 2500 lumen packages in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Variety of adjustable reflectors, square, slope and baffles. Housings include new construction, remodel, slope or retrofit existing housings.



## IOLITE SERIES

1", 2", 4" Adjustable Modular LED

Small aperture specification downlights available in 1", 2" and 4" apertures. Featuring Cree® COB technology with field adjustable beam spreads and a variety of square and round trims. Iolite Series produces up to 1000 lumens in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology. Also 2" and 4" apertures are available in trimless, for a clean knife edge look. Housings include new construction, remodel or retrofit existing housings.



## PRISM SERIES

Smart LED RGBW Retrofit

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



## COBALT SERIES

LED Dedicated and Retrofit

Cobalt Series consist of retrofit and dedicated 4", 5" & 6" reflectors providing up to 2000 lumens in 2700K, 3000K, 3500K, 4000K or Comfort Dim technology.

Cobalt series features Cree® COB throughout the entire family, for a consistent appearance throughout. Series now includes a shallow 2-5/8" housing, adjustable reflectors, adjustable elbow, high lumen and variety of retrofit reflectors.



## ONYX SERIES

LED Retrofit

Onyx Series offers an economical quality solution to LED Retrofit Downlighting. Deep-set optics produce visual comfort in 4" and 5"/6" apertures. The Onyx produces

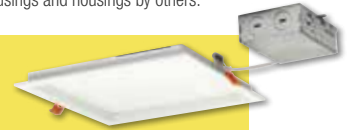
90+ CRI for true vibrant color rendition. Baffle and reflector styles blend with popular trims and create a uniform ceiling appearance. The 4" is available in 650lm or 900lm and 5"/6" in 750lm or 1200lm. Luminaires are compatible with Nora's dedicated LED housings to meet energy rebate requirements, as well as Nora's medium base housings and housings by others.



## FLIN SERIES

Low Profile Regressed Recessed

Quick, economical recessed ICAT LED lighting for remodel or new construction applications. Flin requires less than 2" ceiling clearance and no housing is required! Flin produces 700 to 2200 lumens at 90+ CRI in 2700K, 3000K and 4000K temperatures. The regressed lens with sharp baffle cuts reduces aperture brightness.



## OPAL SERIES

LED Surface or Recessed Mount

The Opal Series luminaires are designed to surface mount over a standard junction box or suitable for use with a 5" or 6" recessed housing by Nora or others. The Opal produces even illumination with no diode image, from bright to dim. The low profile unit is cULus wet listed and produces up to 1050 lumens at 90+ CRI. Opal Series is available in 4" or 6", three finishes and AC without any driver. Opal is an excellent energy efficient lighting solution for laundry rooms, closets, pantries, hallways and showers in residential and commercial retrofit or new construction applications.



## SURF SERIES

LED Edge-Lit Surface Mount

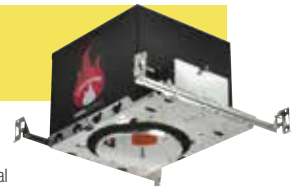
The Surf Series is a low profile surface mounted luminaire with the look of a recessed downlight. Edge-lit LEDs provide even illumination while reducing glare. Surf mounts easily over a standard or fire rated fixture junction boxes. Series is available in 650, 900 or 1000 lumens in square or round and 2700K to 5000K temperatures



## FIRE BOX SERIES

2-Hour Fire Rated Housing

Specification-grade, fire rated, new construction recessed housings are designed to meet strict fire safety codes in commercial, multi-family and residential applications. The cULus listed double wall fixture incorporates a non-combustible fiber insulation to prevent the passage of flames, toxic gases, and ignitable gasses into ceiling plenums and is rated for a minimum of 2 hours protection. In addition, the noncombustible fiber fill acts as sound-deadening material, eliminating the transfer of sound between floors, excellent for use in home theaters.



# LED DOWNLIGHTS COMPARISON CHART

Series	SAPPHIRE I	SAPPHIRE II	MARQUISE I	MARQUISE II	IOLITE
<b>Use</b>	Architectural, Commercial	Architectural, Commercial	High-End Residential, Commercial	High-End Residential, Commercial	Adjustable and Small Aperture Residential and Commercial
<b>Lumen</b>	850lm to 8000lm	900lm to 4500lm	850lm to 2000lm	900lm to 2500lm	600lm to 1000lm
<b>CRI</b>	90+	90+	90+	90+	90+
<b>Kelvin</b>	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 3500K, 4000K, 5000K
<b>Comfort Dim Warm Dimming</b>	Yes (850 to 3000lm)	No	Yes (850 to 2000lm)	No	Yes
<b>LED Technology</b>	Cree TrueWhite®	Cree® COB	Cree TrueWhite	Cree COB	Cree COB or Premium non-Cree COB (Comfort Dim)
<b>Apertures</b>	4", 6", 8"	4", 6", 8"	4", 5", 6"	4", 5", 6"	1", 2", 4"
<b>Reflector Style</b>	Dedicated Deep Cone & Wall Wash	Dedicated Deep Cone & Wall Wash	Dedicated Deep Cone, Square & Adjustable	Dedicated Deep Cone, Square & Adjustable	Deep Cone, Square, Adjustable Gimbal Regressed, Deep Regress, Trimless
<b>Reflector Finishes</b>	B, DW, H, W	B, DW, H, W	BW, BZ, CO,DW, HZW, NN, WW	BW, BZ, CO,DW, HZW, NN, WW	BZ, HZW, NM, MPW, WW
<b>IC Rated</b>	No	No	Yes	Yes	Yes
<b>Retrofit Available</b>	Yes	Yes	Yes (850lm)	Yes (900lm)	Yes (only 4")
<b>New Construction</b>	Yes	Yes	Yes	Yes	Yes
<b>Remodel</b>	Yes	Yes	Yes	Yes	Yes
<b>Fire Box Compatible</b>	No	No	Yes	Yes	Yes
<b>Dimmable</b>	Triac, ELV or 0-10V	Triac, ELV or 0-10V	Triac, ELV or 0-10V	Triac, ELV or 0-10V	Triac, ELV or 0-10V
<b>Available in 277V</b>	Yes	Yes	Yes	Yes	Yes
<b>cULus Wet Listed</b>	Yes	Yes	Yes	Yes	Yes
<b>Assembled in USA</b>	Yes	Yes	Yes	Yes	Yes
<b>Limited Warranty</b>	10 Year	5 year	5 year	5 year	5 Year
<b>Cost</b>	\$\$\$	\$\$	\$\$\$	\$\$	\$\$



PRISM	COBALT	COBALT HIGH LUMEN	ONYX	FLIN	OPAL	SURF
Residential, Light Commercial	Residential, Light Commercial	Residential, High Ceilings, Commercial	Residential, Light Commercial	Residential and Light Commercial	Surface, Residential and Light Commercial	Surface, Residential and Commercial
750lm & 800lm	750lm & 1000lm	1500lm & 2000lm	650lm to 1200lm	700lm to 2200lm	800lm to 2000lm	650lm to 1000lm
90+	90+	90+	90+	90+	90+	90+
2700K, 3000K, 3500K, 4000K & RGBW	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 4000K, 5000K	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 4000K	2700K, 3000K, 3500K, 4000K, 5000K
No	Yes (Cobalt Click)	No	No	No	No	No
See spec sheet	Cree COB	Cree COB	Samsung	See Spec Sheet	See spec sheet	See Spec Sheet
4", 5"/6"	4", 5", 6"	6"	4", 5"/ 6"	4", 6", 8"	4", 6", 8"	4", 6", 7"
Deep Cone	Deep Cone, Wall Wash, Adjustable & Square	Reflector, Baffle, Wall Wash, Square	Deep Cone, Adjustable, Square	Square and Round	Round	Square and Round
BZBZ, WW	BW, BZ, CO, DW, HZW, NN, WW	BB, BW, BZBZ, COCO, DW, HZW, MPW, NN, PW, WW	WW	WW	BZ, NM, W	WW
Yes	Yes	No	Yes	Yes	Yes	Yes
Yes	Yes	No	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	No	Yes	No	Yes with Fire Rated Junction Box	Yes with Fire Rated Junction Box
Smart Bluetooth enabled	Triac, ELV or 0-10V	0-10V	Triac or ELV	0-10V	Triac or ELV	Triac or ELV
Yes, with 277V housing	Yes	Yes	Yes, with 277V housing	Yes	No	No
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	No	Yes	No	No	No	No
5 year	5 Year	5 Year	5 Year	5 Year	5 Year	5 Year
\$\$	\$	\$	\$	\$	\$	\$



# LEDs for Any Application

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

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

## SAPPHIRE AND MARQUISE SERIES EQUIVALENTS

### 15' - 40' CEILINGS

4000\* Lumen 42W LED  
250W Halogen  
57W CFL, 2 x 32W CFL  
70W HID

### 15' - 30' CEILINGS

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

### 10' - 20' CEILINGS

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

### 8' - 12' CEILINGS

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

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

## LIGHTING CONSISTENCY FOR ALL APPLICATIONS.

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

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

# Reflector Finishes LED Recessed

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

## ARCHITECTURAL SAPPHIRE SERIES FINISHES



### Black Reflector / Wall Wash Self Flange (BSF)

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



### Black Reflector / Wall Wash White Self Flange (BWSF)

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



### Diffused Clear Reflector / Wall Wash Self Flange (DSF)

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



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

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



### Haze Reflector / Wall Wash Self Flange (HSF)

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



### Haze Reflector / Wall Wash White Self Flange (HWSF)

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



### White Reflector / Wall Wash Self Flange (WSF)

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

## REFLECTOR FLANGE OPTIONS



**Self Flange - SF**  
5/8" integral flange is a part of the reflector and finished in the same finish as the reflector.



**White Self Flange - WSF**  
5/8" integral flange is a part of the reflector and finished in white.



STANDARD MARQUISE, IOLITE AND COBALT FINISHES



**Black, White Flange (BW)**

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



**Bronze, Bronze Flange (BZBZ)**

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



**Copper, Copper Flange (COCO)**

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



**Diffused Clear, White Flange (DW)**

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



**Haze, White Flange (HZW)**

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



**Natural Metal, Natural Metal Flange (NN)**

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



**White, White Flange (WW)**

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



**Matte Powder White (MPW)**

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

GLASS OPTIONS (SPECIFY REFLECTOR AND GLASS SEPERATELY)



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



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



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



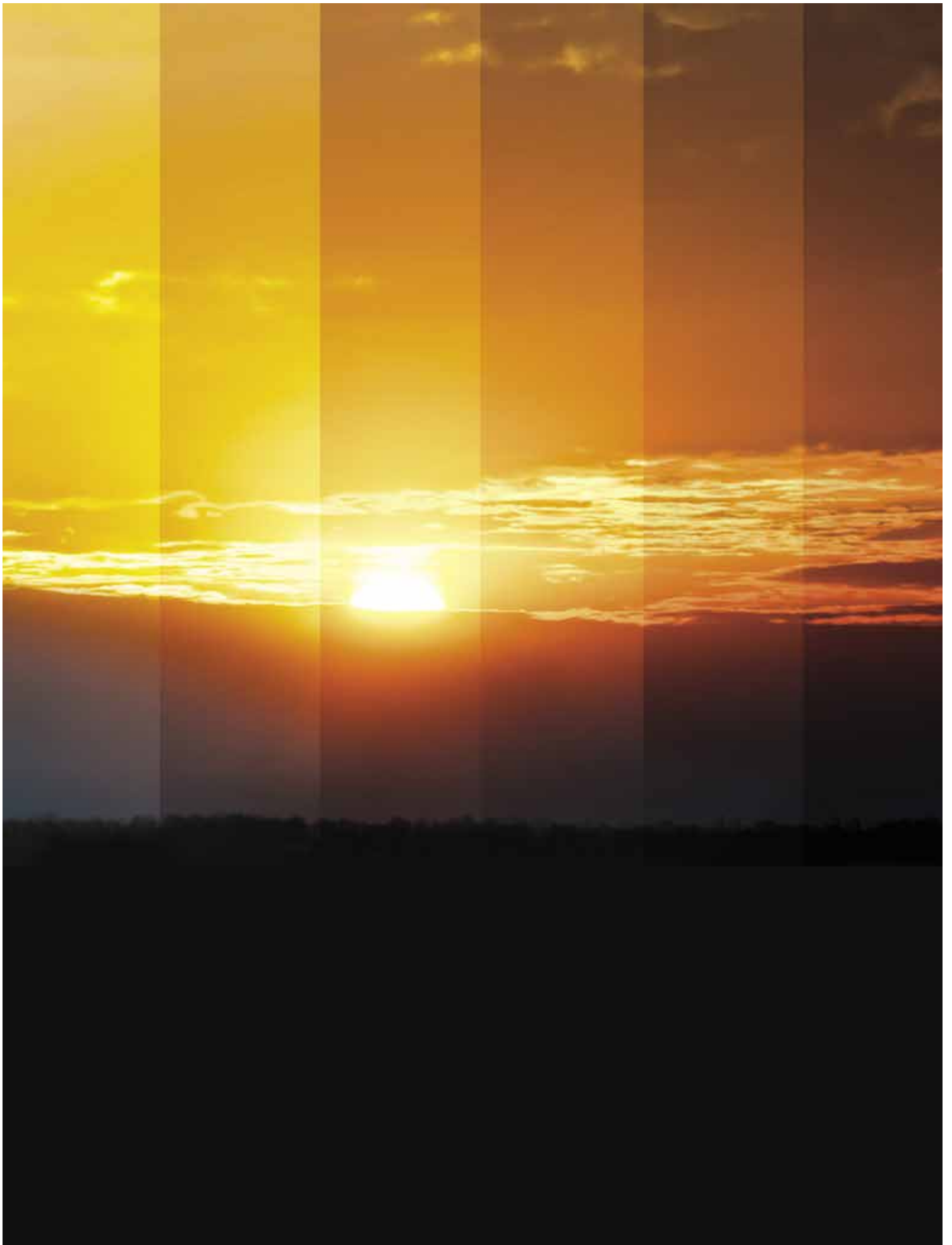
NTG-CF  
Tempered Clear Glass with  
Frosted Center



NTG-FC  
Tempered Frosted Glass with  
Clear Center



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



# LED Dimming Two Choices

## WHITE LIGHT DIMMING AND COMFORT DIM

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

### WHITE LIGHT DIMMING (STANDARD)

Consistent color across dimming range keeps colors natural and consistent

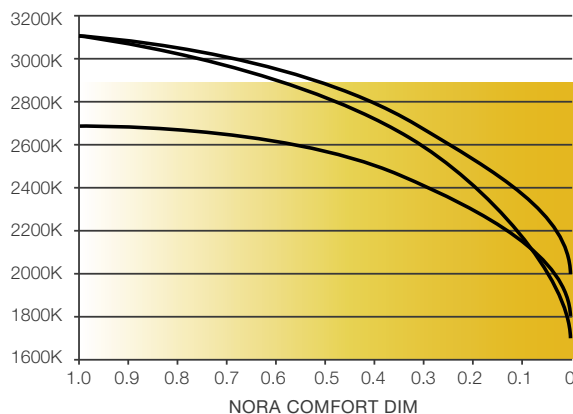
Unlike incandescent dimming, most LED dimming does not change in color as power decreases but remains close to the original kelvin temperature of the source. This is called White Light Dimming. White Light dimming is also found with fluorescent dimming, and has become accepted in most commercial, architectural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



### COMFORT DIM (OPTIONAL)

Warm, rich light dimming creates an intimate atmosphere

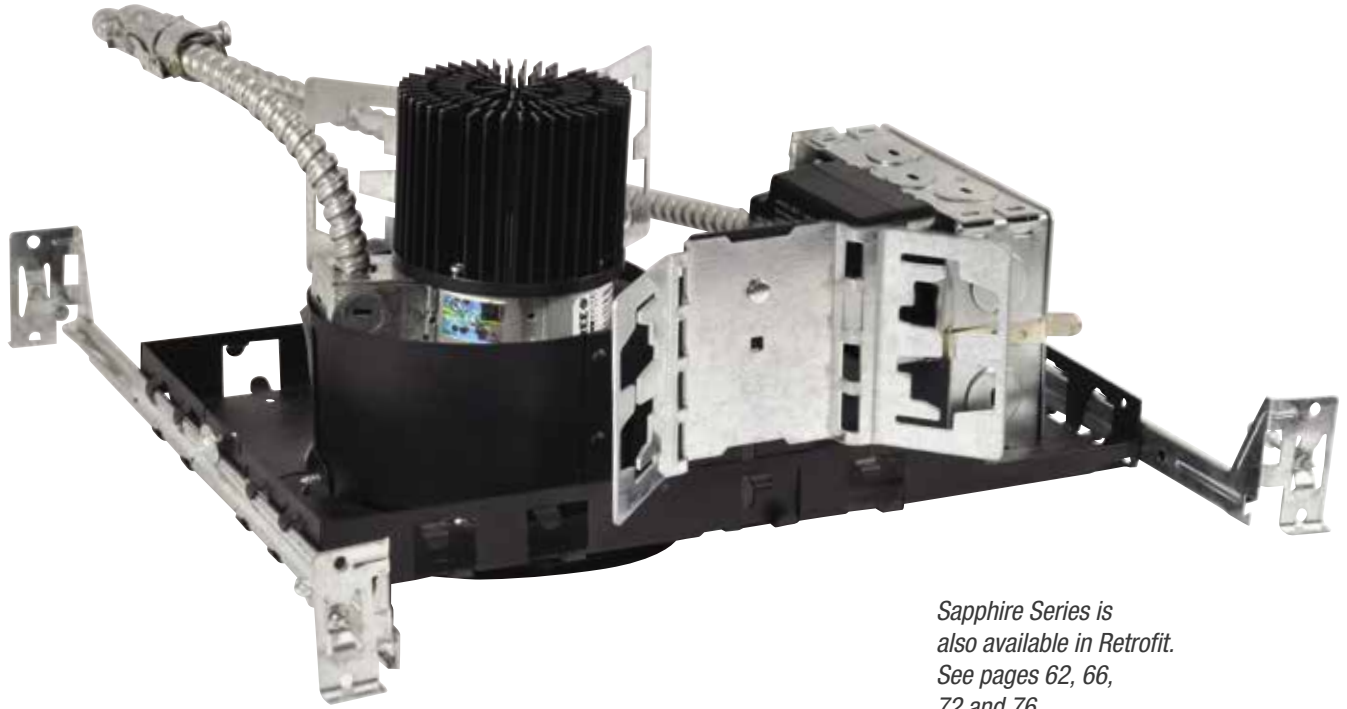
An innovation in energy efficient dimming, Comfort Dim presented by Nora, warms the light as power is reduced. Comfort Dim color tunes the temperature from a bright color to a warm and romantic incandescent feel. The Sapphire and Marquise Series goes from 2700K to 1800K, lolite Series goes from 3100K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











*Sapphire Series is also available in Retrofit. See pages 62, 66, 72 and 76.*

# Sapphire I & II Series

## ARCHITECTURAL AND COMMERCIAL LED DOWNLIGHTING

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

**White Light Dimming**, available on Sapphire and Sapphire II, features lumen packages from 850lm to 8000lm with smooth, consistent, white light dimming down to 5%.

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



**SAPPHIRE I SERIES** ARCHITECTURAL AND COMMERCIAL

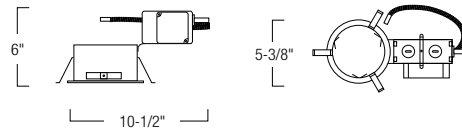
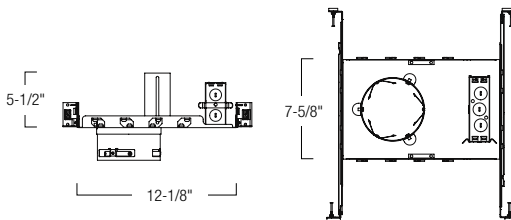
**4" FRAME-INS 850LM TO 2000LM**



NCAH-430 Universal



NCHR-434 Remodel



**4" SAPPHIRE HIGH LUMEN FRAME-IN**

FRAME TYPE	LUMENS / WATTAGE	LED MODULE	DRIVER	EMERGENCY
<b>NCAH-430/</b> Universal	<b>85</b> 850lm / 11W	<b>(blank)</b> Standard	<b>LE1</b> 120V Triac/ELV Dim for 850-1250lm; 0-10V Dim for 2000lm	<b>EM</b> Emerg w/ Remote Test Switch
<b>NCHR-434/</b> Remodel	<b>12</b> 1250lm / 16W <b>20</b> 2000lm / 25W	<b>C</b> Comfort Dim	<b>LE2</b> 277V 0-10V Dim <b>LE4</b> 120V Triac/ELV Dim for 2000lm; 0-10V Dim for 850-1250lm	<b>EMI</b> Emerg w/ Integral Test Switch

Example: **NCAH-430/85LE1EM** - 4" Universal New Construction Frame-in, 850lm / 11W, 120V input, Emergency with Remote Test Switch

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

**ELECTRICAL:**

**Voltage:** 120V or 277V

**Lumens / Wattage:**

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

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

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

**INSTALLATION:**

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

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

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

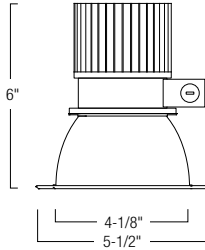
**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

**LISTING & WARRANTY:**

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



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE I SERIES**  
850LM TO 2000LM 4" REFLECTORS



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



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



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

**4" SAPPHIRE HIGH LUMEN REFLECTORS**

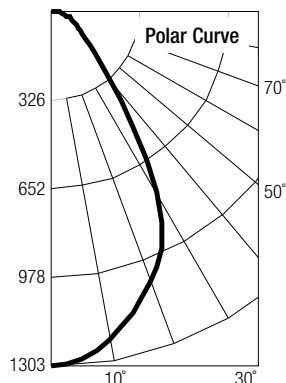
REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	REFLECTOR FINISH	FLANGE	EMERGENCY
<b>NC-431</b> Open Reflector	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>B</b> Black	<b>SF</b> Self Flange	<b>EM</b> Integral Test Switch <sup>1</sup>
<b>NC-436</b> Wall Wash	<b>L12</b> 1250lm / 16W	<b>30</b> 3000K	<b>D</b> Clear Diffused	<b>WSF</b> White Self Flange	
<b>NC-438</b> Decorative Glass* (See glass options below)	<b>L20</b> 2000lm / 25W	<b>35</b> 3500K	<b>H</b> Haze		
		<b>40</b> 4000K	<b>W</b> White		
		<b>CD</b> Comfort Dim			

Example: **NC-431L2040DWSF** - 4" Open Reflector, 2000lm / 25W, 4000K, Clear Diffused / White Self Flange

<sup>1</sup>Compatible with NC-431 Open Reflector only, must specify on frame-in.

**PHOTOMETRICS**

Test Number: 727489  
Part Number: NC-431L2040WSF  
Lumens: 1653lm  
Wattage: 25.1W  
Efficacy: 66lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.0  
Spacing Criteria (90°-270°): 1.0



**Illuminance at a Distance**

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	81.5fc	5'-1"
6'	36.2fc	7'-7"
8'	20.4fc	10'-1"
10'	13fc	12'-8"
12'	9fc	15'-2"

**Candela Table**

Vertical Angles	Candela
0	1303
5	1281
15	1446
25	961
35	522
45	227

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	874	52.9
0-40	1202	72.8
0-60	1498	90.7
0-90	1652	100
90-180	0	0
0-180	1652	100

**4" DECORATIVE GLASS**



**NC-438 DECORATIVE GLASS OPTIONS**  
Glass sold separately

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

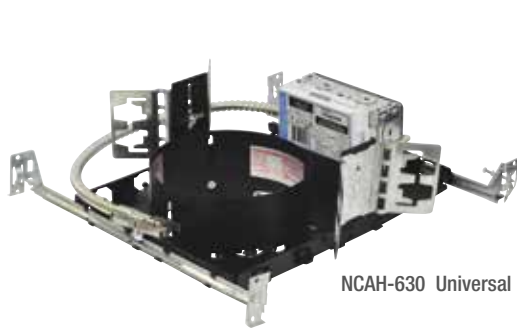
**NTG-4SPH-FC** 4" Tempered Frosted Glass with Clear Center

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

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

**SAPPHIRE I SERIES** ARCHITECTURAL AND COMMERCIAL

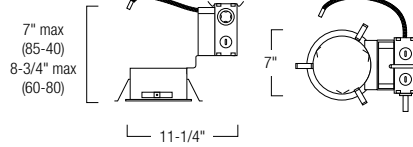
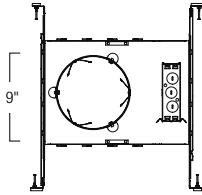
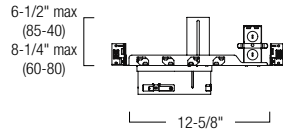
**6" FRAME-INS 850LM TO 8000LM**



NCAH-630 Universal



NCHR-634 Remodel



6" Sapphireretrofit available. See page 62.

**6" SAPPHIRE HIGH LUMEN FRAME-IN**

FRAME TYPE	LUMENS / WATTAGE	LED MODULE	DRIVER	EMERGENCY
<b>NCAH-630/</b> Universal	<b>85</b> 850lm / 11W	<b>(blank)</b> Standard <b>C</b> Comfort Dim†	<b>LE1</b> 120V Triac/ELV Dim for 850-1250lm; 0-10V Dim for 2000-8000lm <b>LE2</b> 277V 0-10V Dim <b>LE4</b> 120V Triac/ELV Dim for 2000-8000lm; 0-10V Dim for 850-1250lm	<b>EM</b> Emerg w/ Remote Test Switch <b>EMI</b> Emerg w/ Integral Test Switch
<b>NCHR-634/</b> Remodel	<b>12</b> 1250lm / 16W			
	<b>20</b> 2000lm / 25W			
	<b>30</b> 3000lm / 37W			
	<b>40</b> 4000lm / 42W			
	<b>60</b> 6000lm / 81W			
	<b>80</b> 8000lm / 104W			

Example: **NCAH-630/12LE1EM** - 6" Universal New Construction Frame-in, 1250lm / 16W, 120V input, Emergency with Remote Test Switch

† Comfort Dim only available on 850lm-3000lm

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

**ELECTRICAL:**

**Voltage:** 120V or 277V

**Lumens / Wattage:**

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W, 4000lm / 42W, 6000lm / 81W, 8000lm / 104W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

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

**INSTALLATION:**

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

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

**MINIMUM CLEARANCES:** 850-4000lm frames require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components. 6000-8000lm frames require a minimum clearance of 24" from thermal insulation and adjacent building components, and 48" between any recessed fixtures.

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

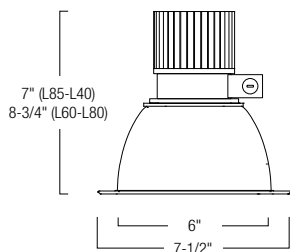
**LISTING & WARRANTY:**

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





ARCHITECTURAL AND COMMERCIAL **SAPPHIRE I SERIES**  
850LM TO 8000LM 6" REFLECTORS



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



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



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

6" SAPPHIRE HIGH LUMEN REFLECTORS

REFLECTOR TYPE	LUMEN / WATTAGE	COLOR TEMP	REFLECTOR FINISH	FLANGE	EMERGENCY
<b>NC-631</b> Open Reflector	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>B</b> Black	<b>SF</b> Self Flange	<b>EM</b> Integral Test Switch <sup>1</sup>
<b>NC-636</b> Wall Wash	<b>L12</b> 1250lm / 16W	<b>30</b> 3000K	<b>D</b> Clear Diffused	<b>WSF</b> White Self Flange	
<b>NC-638</b> Decorative Glass* (See glass options below)	<b>L20</b> 2000lm / 25W	<b>35</b> 3500K	<b>H</b> Haze		
	<b>L30</b> 3000lm / 37W	<b>40</b> 4000K	<b>W</b> White		
	<b>L40</b> 4000lm / 42W	<b>CD</b> Comfort Dim <sup>†</sup>			
	<b>L60</b> 6000lm / 81W				
	<b>L80</b> 8000lm / 104W				

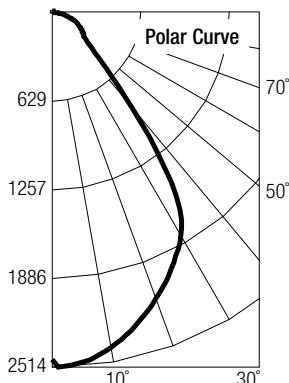
Example: **NC-631L2040DWSF** - 6" Open Reflector, 2000lm / 25W, 4000K, Clear Diffused Reflector / White Self Flange

<sup>†</sup>Comfort dim technology available in 850-3000lm.

\*Compatible with NC-631 Open Reflector only, must specify on frame-in.

PHOTOMETRICS

Test Number: 727489  
Part Number: NC-631L4040WSF  
Lumens: 3845lm  
Wattage: 44.4W  
Efficacy: 87lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.14  
Spacing Criteria (90°-270°): 1.14



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	157fc	6'-1"
6'	69.7fc	9'-2"
8'	39.2fc	12'-4"
10'	25.1fc	15'-4"
12'	17.4fc	18'-5"

Candela Table

Vertical Angles	Candela
0	2510
5	2487
15	2313
25	2043
35	1539
45	552

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1822	47.4
0-40	2743	71.3
0-60	3447	89.7
0-90	3817	99.3
90-180	28.7	0.7
0-180	3845	100

6" DECORATIVE GLASS



**NC-638 DECORATIVE GLASS OPTIONS**  
Glass sold separately

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

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

# SAPPHIRE I RETROFIT SERIES COMMERCIAL

## 6" RETROFIT 850LM TO 4000LM



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



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



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

### 6" SAPPHIRE RETROFIT HIGH LUMEN REFLECTORS

REFLECTOR TYPE	LUMEN / WATTAGE	COLOR TEMP	DRIVER	REFLECTOR FINISH	FLANGE
<b>NCR-61</b> Open Reflector	<b>85</b> 850lm / 11W	<b>27</b> 2700K	<b>E1</b> 120V Triac/ELV Dim for 850-1250lm; 0-10V Dim for 2000-4000lm <b>E2</b> 277V 0-10V Dim <b>E4</b> 120V Triac/ELV Dim for 2000-4000lm; 0-10V Dim for 850-1250lm	<b>B</b> Black	<b>SF</b> Self Flange <b>WF</b> White Self Flange
<b>NCR-66</b> Wall Wash	<b>12</b> 1250lm / 16W	<b>30</b> 3000K		<b>D</b> Clear Diffused	
<b>NCR-68</b> Decorative Glass* (See glass options below)	<b>20</b> 2000lm / 25W	<b>35</b> 3500K		<b>H</b> Haze	
	<b>30</b> 3000lm / 37W <b>40</b> 4000lm / 42W	<b>40</b> 4000K <b>CD</b> Comfort Dim†		<b>W</b> White	

Example: **NCR-6620CDE1WF** - 6" Retrofit Wall Wash, 2000lm / 25W, Comfort Dim, 120V input, White Reflector / White Self Flange †  
Comfort Dim only available on 850lm-3000lm

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

#### ELECTRICAL:

**Voltage:** 120V or 277V

**Lumens / Wattage:**

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W, 4000lm / 42W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

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

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

#### LISTING & WARRANTY:

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



### 6" DECORATIVE GLASS



**NCR-68 DECORATIVE GLASS OPTIONS**  
Glass sold separately

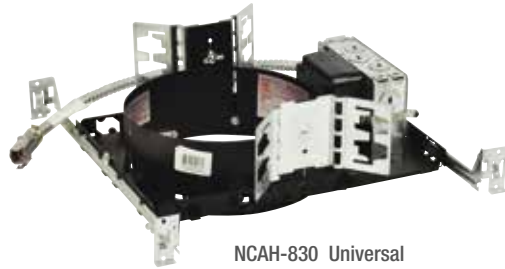
- NTG-6B/120** 6" Tempered Blue Glass with 4-3/4" Open Center
- NTG-6B/80** 6" Tempered Blue Glass with 3-1/8" Open Center
- NTG-6CF** 6" Tempered Clear Glass with Frosted Center
- NTG-6FC** 6" Tempered Frosted Glass with Clear Center
- NTG-6HC** 6" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open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

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



**SAPPHIRE I SERIES** ARCHITECTURAL AND COMMERCIAL

**8" FRAME-INS 850LM TO 8000LM**



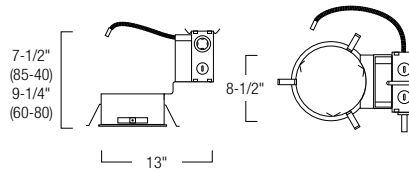
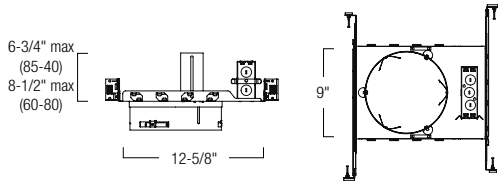
NCAH-830 Universal



NCHR-834 Remodel



8" Sapphire  
Retrofit available.  
See page 66.



**8" SAPPHIRE HIGH LUMEN FRAME-IN**

FRAME TYPE	LUMENS / WATTAGE	LED MODULE	DRIVER	EMERGENCY
<b>NCAH-830/</b> Universal	<b>85</b> 850lm / 11W	<b>(blank)</b> Standard <b>C</b> Comfort Dim <sup>†</sup>	<b>LE1</b> 120V Triac/ELV Dim for 850-1250lm; 0-10V Dim for 2000-8000lm <b>LE2</b> 277V 0-10V Dim <b>LE4</b> 120V Triac/ELV Dim for 2000-8000lm; 0-10V Dim for 850-1250lm	<b>EM</b> Emerg w/ Remote Test Switch <b>EMI</b> Emerg w/ Integral Test Switch
<b>NCHR-834/</b> Remodel	<b>12</b> 1250lm / 16W			
	<b>20</b> 2000lm / 25W			
	<b>30</b> 3000lm / 37W			
	<b>40</b> 4000lm / 42W			
	<b>60</b> 6000lm / 81W			
	<b>80</b> 8000lm / 104W			

Example: **NCHR-834/20LE1EM** - 8" Remodel Frame-in, 2000lm / 25W, 120V input, Emergency with Remote Test Switch

<sup>†</sup> Comfort Dim only available on 850lm-3000lm

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

**ELECTRICAL:**

**Voltage:** 120V or 277V

**Lumens / Wattage:**

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W, 4000lm / 42W, 6000lm / 81W, 8000lm / 104W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

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

**INSTALLATION:**

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

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

**MINIMUM CLEARANCES:** 850-4000lm frames require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components. 6000-8000lm frames require a minimum clearance of 24" from thermal insulation and adjacent building components, and 48" between any recessed fixtures.

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

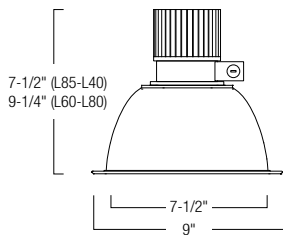
**LISTING & WARRANTY:**

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





ARCHITECTURAL AND COMMERCIAL **SAPPHIRE I SERIES**  
850LM TO 8000LM 8" REFLECTORS



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



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



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

**8" SAPPHIRE HIGH LUMEN REFLECTORS**

REFLECTOR TYPE	LUMEN / WATTAGE	COLOR TEMP	REFLECTOR FINISH	FLANGE	EMERGENCY
<b>NC-831</b> Open Reflector	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>B</b> Black	<b>SF</b> Self Flange	<b>EM</b> Integral Test Switch <sup>1</sup>
<b>NC-836</b> Wall Wash	<b>L12</b> 1250lm / 16W	<b>30</b> 3000K	<b>D</b> Clear Diffused	<b>WSF</b> White Self Flange	
<b>NC-838</b> Decorative Glass* (See glass options below)	<b>L20</b> 2000lm / 25W	<b>35</b> 3500K	<b>H</b> Haze		
	<b>L30</b> 3000lm / 37W	<b>40</b> 4000K	<b>W</b> White		
	<b>L40</b> 4000lm / 42W	<b>CD</b> Comfort Dim <sup>1</sup>			
	<b>L60<sup>1</sup></b> 6000lm / 81W				
<b>L80<sup>1</sup></b> 8000lm / 104W					

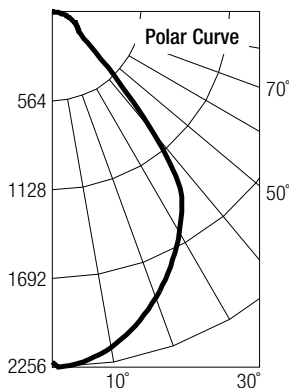
Example: **NC-836L20CDWSF** - 8" Wall Wash, 2000lm / 25W, Comfort Dim, White Reflector / Self Flanged

<sup>1</sup>Comfort dim technology available in 850-3000lm.

<sup>1</sup>Compatible with NC-831 Open Reflector only, must specify on frame-in.

**PHOTOMETRICS**

Test Number: 727489  
Part Number: NC-831L4040WSF  
Lumens: 3894lm  
Wattage: 44.5W  
Efficacy: 88lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 1.14  
Spacing Criteria (90°-270°): 1.14



**Illuminance at a Distance**

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	154fc	6'-8"
6'	68.3fc	10'-1"
8'	38.4fc	13'-6"
10'	24.6fc	16'-10"
12'	17.1fc	20'-2"

**Candela Table**

Vertical Angles	Candela
0	2459
5	2433
15	2267
25	1995
35	1653
45	659

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	1784	45.8
0-40	2787	71.6
0-60	3546	91.1
0-90	3868	99.3
90-180	0	0
0-180	3894	100

**8" DECORATIVE GLASS**



**NC-838 DECORATIVE GLASS OPTIONS**  
Glass sold separately

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

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

# SAPPHIRE I RETROFIT SERIES COMMERCIAL

## 8" RETROFIT 850LM TO 4000LM



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



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



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

### 8" SAPPHIRE RETROFIT HIGH LUMEN REFLECTORS

REFLECTOR TYPE	LUMEN / WATTAGE	COLOR TEMP	DRIVER	REFLECTOR FINISH	FLANGE
<b>NCR-81</b> Open Reflector	<b>85</b> 850lm / 11W	<b>27</b> 2700K	<b>E1</b> 120V Triac/ELV Dim for 850-1250lm;	<b>B</b> Black	<b>SF</b> Self Flange
<b>NCR-86</b> Wall Wash	<b>12</b> 1250lm / 16W	<b>30</b> 3000K	0-10V Dim for 2000-4000lm	<b>D</b> Clear Diffused	<b>WF</b> White Self Flange
<b>NCR-88</b> Decorative Glass* (See glass options below)	<b>20</b> 2000lm / 25W	<b>35</b> 3500K	<b>E2</b> 277V 0-10V Dim	<b>H</b> Haze	
	<b>30</b> 3000lm / 37W	<b>40</b> 4000K	<b>E4</b> 120V Triac/ELV Dim for 2000-4000lm;	<b>W</b> White	
	<b>40</b> 4000lm / 42W	<b>CD</b> Comfort Dim†	0-10V Dim for 850-1250lm		

Example: **NCR-8620CDE1WF** - 8" Retrofit Wall Wash, 2000lm / 25W, Comfort Dim, 120V input, White Reflector / Self Flanged †  
Comfort Dim only available on 850lm-3000lm

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

#### ELECTRICAL:

**Voltage:** 120V or 277V

**Lumens / Wattage:**

850lm / 11W, 1250lm / 16W, 2000lm / 25W, 3000lm / 37W, 4000lm / 42W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

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

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

#### LISTING & WARRANTY:

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



### 8" DECORATIVE GLASS



**NCR-88 DECORATIVE GLASS OPTIONS**  
Glass sold separately

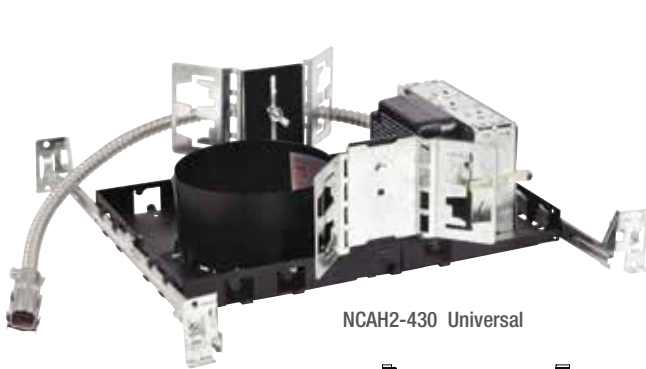
- NTG-8B/167** 8" Tempered Blue Glass with 6-5/8" Open Center
- NTG-8B/80** 8" Tempered Blue Glass with 3-1/8" Open Center
- NTG-8CF** 8" Tempered Clear Glass with Frosted Center
- NTG-8FC** 8" Tempered Frosted Glass with Clear Center
- NTG-8HC** 8" Tempered Clear Glass w/ Frosted Center and 3-1/8" Open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

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



**SAPPHIRE II SERIES** ARCHITECTURAL AND COMMERCIAL

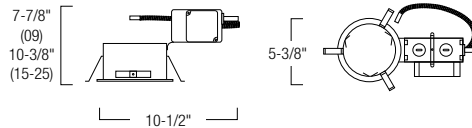
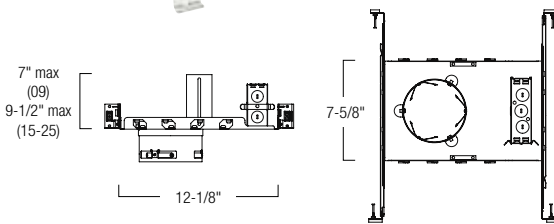
**4" FRAME-INS 900LM TO 2500LM**



NCAH2-430 Universal



NCHR2-434 Remodel



**4" SAPPHIRE II HIGH LUMEN FRAME-IN**

FRAME TYPE	LUMENS / WATTAGE	DRIVER	EMERGENCY
<b>NCAH2-430/</b> Universal	<b>09</b> 900lm / 15W	<b>LE2</b> 277V 0-10V Dim	<b>EM</b> Emergency w/ Remote Test Switch
<b>NCHR2-434/</b> Remodel	<b>15</b> 1500lm / 18W <b>25</b> 2500lm / 30W	<b>LE3</b> 120V Triac/ELV Dim <b>LE5</b> 120V 0-10V Dim	<b>EMI</b> Emergency w/ Integral Test Switch ( <i>mounted inside reflector</i> )

*Example: NCAH2-430/09LE5EM - 4" Universal New Construction Frame-in, 900lm / 15W, 120V input, Emergency with Remote Test Switch*

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

**ELECTRICAL:**

**Voltage:** 120V or 277V

**Lumens / Wattage:**

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

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

**INSTALLATION:**

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

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

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

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

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

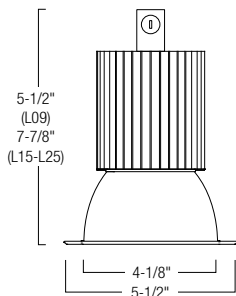
**LISTING & WARRANTY:**

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





ARCHITECTURAL AND COMMERCIAL **SAPPHIRE II SERIES**  
 900LM TO 2500LM 4" REFLECTORS



**NC2-431**  
4" Open Reflector  
B, D, H, W

**NC2-436**  
4" Wall Wash  
B, D, H, W

**NC2-438 / NTG-4SPH-CF**  
4" Decorative Glass  
B, D, H, W

**4" SAPPHIRE II HIGH LUMEN REFLECTORS**

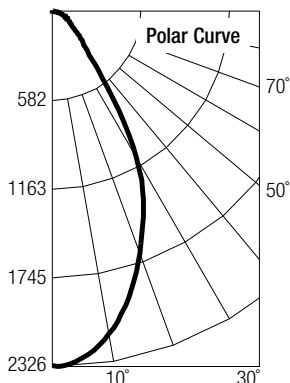
REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	BEAM SPREAD	REFLECTOR FINISH	FLANGE	EMERGENCY
<b>NC2-431</b> Open Reflector	<b>L09</b> 900lm / 15W	<b>27</b> 2700K	<b>S</b> Spot	<b>B</b> Black	<b>SF</b> Self Flange	<b>EM</b> Integral Test Switch <sup>1</sup>
<b>NC2-436</b> Wall Wash	<b>L15</b> 1500lm / 18W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

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

<sup>1</sup>Compatible with NC2-431 only, must specify on frame-in.

**PHOTOMETRICS**

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



**Illuminance at a Distance**

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

**Candela Table**

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

**Zonal Lumen Summary**

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

**4" DECORATIVE GLASS**



**NC2-438 DECORATIVE GLASS OPTIONS**  
 Glass sold separately

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

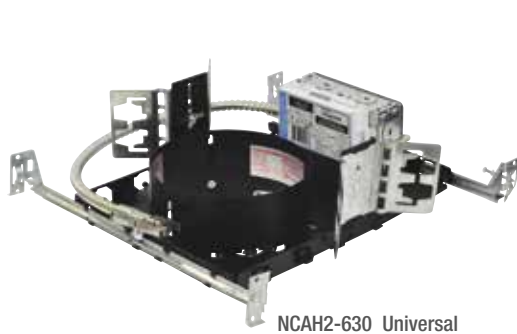
**NTG-4SPH-FC** 4" Tempered Frosted Glass with Clear Center

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

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

**SAPPHIRE II SERIES** ARCHITECTURAL AND COMMERCIAL

**6" FRAME-INS 900LM TO 4500LM**



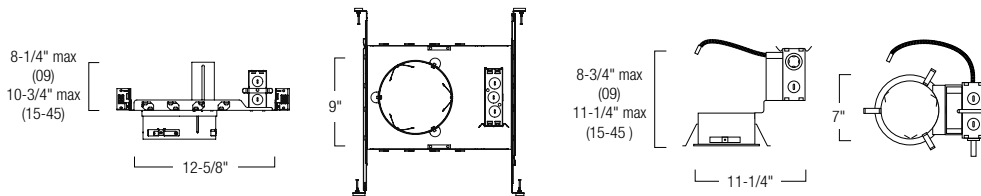
NCAH2-630 Universal



NCHR2-634 Remodel



6" Saphire II Retrofit available. See page 72.



**6" SAPPHIRE II HIGH LUMEN FRAME-IN**

FRAME TYPE	LUMENS / WATTAGE	DRIVER	EMERGENCY
<b>NCAH2-630/</b> Universal	<b>09</b> 900lm / 15W	<b>LE2</b> 277V 0-10V Dim	<b>EM</b> Emergency w/ Test Switch
<b>NCHR2-634/</b> Remodel	<b>15</b> 1500lm / 18W <b>25</b> 2500lm / 30W <b>35</b> 3500lm / 46W <b>45</b> 4500lm / 60W	<b>LE3</b> 120V Triac/ELV Dim <b>LE5</b> 120V 0-10V Dim	<b>EMI</b> Emergency w/ Integral Test Switch (mounted inside reflector)

Example: **NCAH2-630/09LE5EM** - 6" Universal New Construction Frame-in, 900lm / 16W, 120V input, Emergency with Remote Test Switch

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

**ELECTRICAL:**

**Voltage:** 120V or 277V

**Lumens / Wattage:**

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

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

**INSTALLATION:**

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

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

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

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

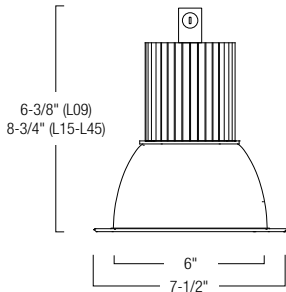
**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

**LISTING & WARRANTY:**

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



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE II SERIES**  
900LM TO 4500LM 6" REFLECTORS



**NC2-631**  
6" Open Reflector  
B, D, H, W

**NC2-636**  
6" Wall Wash  
B, D, H, W

**NC2-638 / NTG-6CF**  
6" Decorative Glass  
B, D, H, W

6" SAPPHIRE II HIGH LUMEN REFLECTORS

REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	BEAM SPREAD	REFLECTOR FINISH	FLANGE	EMERGENCY
<b>NC2-631</b> Open Reflector	<b>L09</b> 900lm / 15W	<b>27</b> 2700K	<b>S</b> Spot	<b>B</b> Black	<b>SF</b> Self Flange	<b>EM</b> Integral Test Switch <sup>2</sup>
<b>NC2-636</b> Wall Wash <sup>1</sup>	<b>L15</b> 1500lm / 18W	<b>30</b> 3000K	<b>M</b> Medium	<b>D</b> Clear Diffused	<b>WSF</b> White Self Flange	
<b>NC2-638</b> Decorative Glass* <sup>1</sup> (see glass options below)	<b>L25</b> 2500lm / 30W	<b>35</b> 3500K	<b>F</b> Flood	<b>H</b> Haze		
	<b>L35</b> 3500lm / 46W	<b>40</b> 4000K		<b>W</b> White		
	<b>L45</b> 4500lm / 60W					

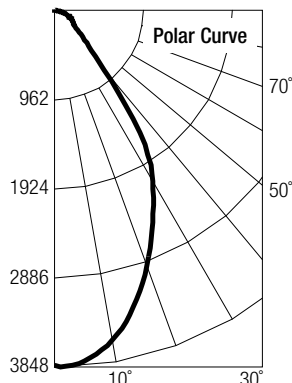
Example: **NC2-631L2540MDWSF** - 6" Open Reflector, 2500lm / 30W, 4000K, Medium Beam Spread, Clear Diffused / White Self Flange

<sup>1</sup> Not compatible with 4500lm / 60W.

<sup>2</sup> Compatible with NC2-631 Open Reflector only, must specify on frame-in.

PHOTOMETRICS

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



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	106fc	7'-7"
6'	47.3fc	11'-4"
8'	26.6fc	15'-1"
10'	17fc	18'-11"
12'	11.8fc	22'-8"

Candela Table

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

Zonal Lumen Summary

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

6" DECORATIVE GLASS



**NC2-638 DECORATIVE GLASS OPTIONS**  
Glass sold separately

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

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

# SAPPHIRE II SERIES COMMERCIAL

## 6" RETROFIT 900LM TO 4500LM



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



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



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

### 6" SAPPHIRE II RETROFIT HIGH LUMEN REFLECTORS

REFLECTOR TYPE	LUMEN / WATTAGE	COLOR TEMP	BEAM SPREAD	DRIVER	REFLECTOR FINISH	FLANGE
<b>NCR2-61</b> Open Reflector	<b>09</b> 900lm / 15W	<b>27</b> 2700K	<b>S</b> Spot	<b>E2</b> 277V 0-10V Dim	<b>B</b> Black	<b>SF</b> Self Flange
<b>NCR2-66</b> Wall Wash <sup>1</sup>	<b>15</b> 1500lm / 18W	<b>30</b> 3000K	<b>M</b> Medium	<b>E3</b> 120V Triac/ELV Dim	<b>D</b> Clear Diffused	<b>WSF</b> White Self Flange
<b>NCR2-68</b> Decorative Glass* <sup>1</sup> (See glass options below)	<b>25</b> 2500lm / 30W	<b>35</b> 3500K	<b>F</b> Flood	<b>E5</b> 120V 0-10V Dim	<b>H</b> Haze	
	<b>35</b> 3500lm / 46W	<b>40</b> 4000K			<b>W</b> White	
	<b>45</b> 4500lm / 60W					

Example: **NCR2-612540SE5WSF** - 6" Retrofit Open Reflector, 2500lm / 30W, 4000K, Spot Beam Spread, 120V input, White Reflector / Self-Flange

<sup>1</sup> Not compatible with 4500lm / 60W.

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

#### ELECTRICAL:

**Voltage:** 120V or 277V

**Lumens / Wattage:**

900lm / 16W, 1500lm / 18W, 2500lm / 30W, 3500lm / 43W, 4500lm / 56W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

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

#### LISTING & WARRANTY:

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



### 6" DECORATIVE GLASS

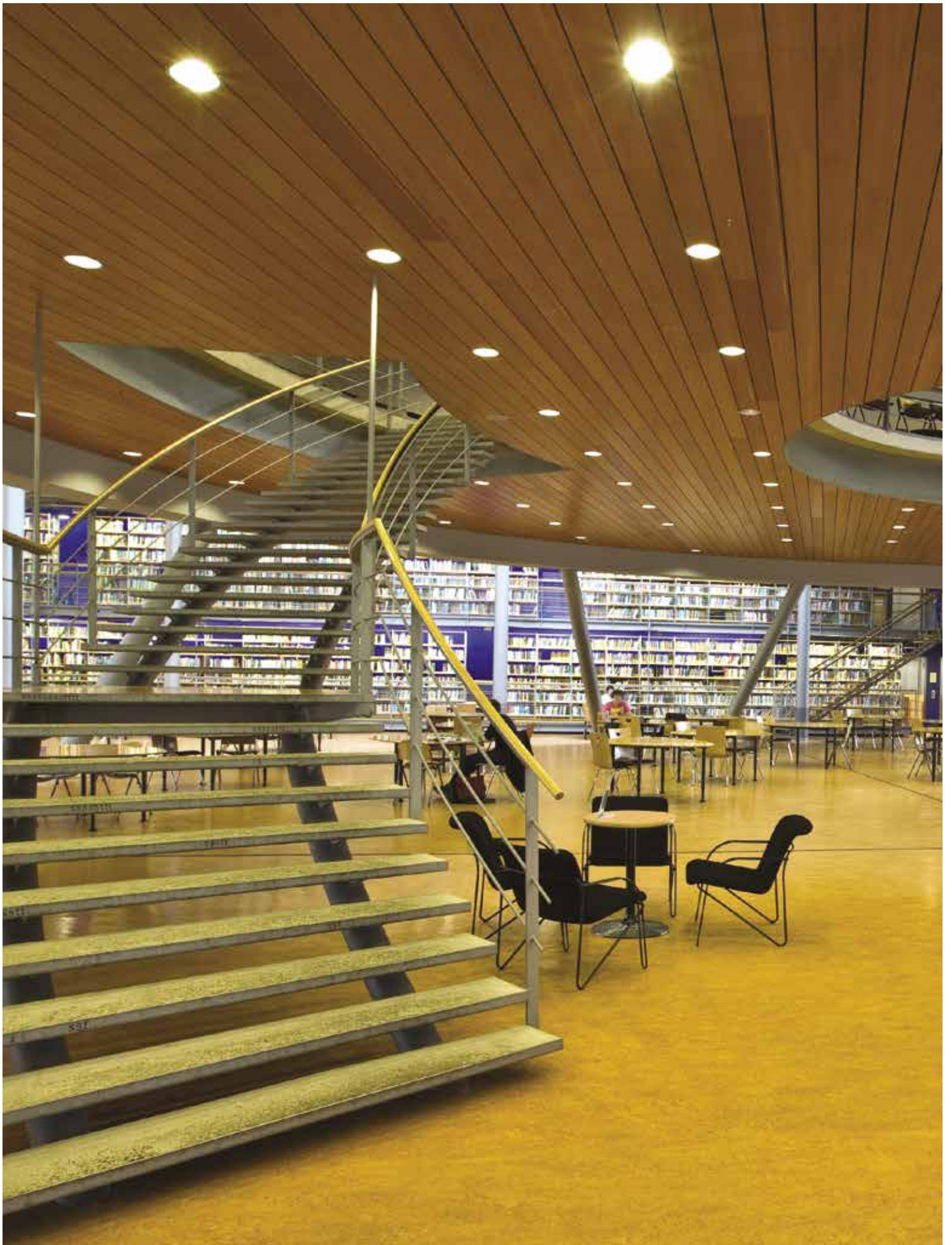


**NCR2-68 DECORATIVE GLASS OPTIONS**  
Glass sold separately

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

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





**SAPPHIRE II SERIES** ARCHITECTURAL AND COMMERCIAL

**8" FRAME-INS 900LM TO 4500LM**



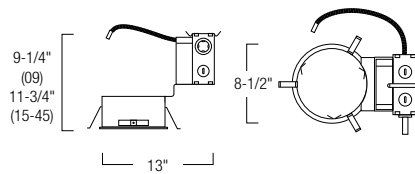
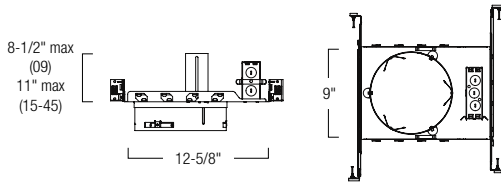
NCAH2-830 Universal



NCHR2-834 Remodel



8" Saphire II Retrofit available. See page 76.



**8" SAPPHIRE II HIGH LUMEN FRAME-IN**

FRAME TYPE	LUMENS / WATTAGE	DRIVER	EMERGENCY
<b>NCAH2-830/</b> Universal	<b>09</b> 900lm / 15W	<b>LE2</b> 277V 0-10V Dim	<b>EM</b> Emergency w/ Test Switch
<b>NCHR2-834/</b> Remodel	<b>15</b> 1500lm / 18W <b>25</b> 2500lm / 30W <b>35</b> 3500lm / 46W <b>45</b> 4500lm / 60W	<b>LE3</b> 120V Triac/ELV Dim <b>LE5</b> 120V 0-10V Dim	<b>EMI</b> Emergency w/ Integral Test Switch ( <i>mounted inside reflector</i> )

Example: **NCAH2-830/15LE5EM** - 8" Universal New Construction Frame-in, 1500lm / 18W, 120V input, Emergency with Remote Test Switch

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

**ELECTRICAL:**

**Voltage:** 120V or 277V

**Lumens / Wattage:**

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

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

**INSTALLATION:**

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

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

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

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

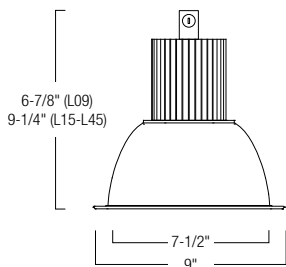
**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote or integral test switch, must specify.

**LISTING & WARRANTY:**

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



ARCHITECTURAL AND COMMERCIAL **SAPPHIRE II SERIES**  
 900LM TO 4500LM 8" REFLECTORS



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

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

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

**8" SAPPHIRE II HIGH LUMEN REFLECTORS**

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

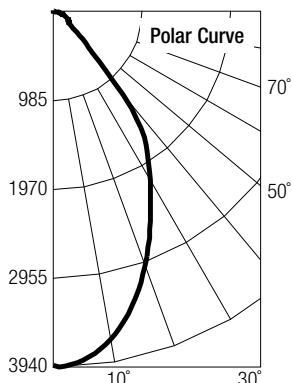
Example: **NC2-831L2540MDWSF** - 8" Open Reflector, 2500lm / 30W, 4000K, Medium Beam Spread, Clear Diffused / White Self-Flange

<sup>1</sup> Not compatible with 4500lm / 60W.

<sup>2</sup> Compatible with NC2-831 Open Reflector only, must specify on frame-in.

**PHOTOMETRICS**

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



**Illuminance at a Distance**

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	109fc	7'-8"
6'	48.4fc	11'-7"
8'	27.2fc	15'-5"
10'	17.4fc	19'-4"
12'	12.1fc	23'-1"

**Candela Table**

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

**Zonal Lumen Summary**

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

**8" DECORATIVE GLASS**



**NC2-838 DECORATIVE GLASS OPTIONS**  
 Glass sold separately

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

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



# SAPPHIRE II SERIES COMMERCIAL

## 8" RETROFIT 900LM TO 4500LM



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



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



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

### 8" SAPPHIRE II RETROFIT HIGH LUMEN REFLECTORS

REFLECTOR TYPE	LUMEN / WATTAGE	COLOR TEMP	BEAM SPREAD	DRIVER	REFLECTOR FINISH	FLANGE
<b>NCR2-81</b> Open Reflector	<b>09</b> 900lm / 15W	<b>27</b> 2700K	<b>S</b> Spot	<b>E2</b> 277V 0-10V Dim	<b>B</b> Black	<b>SF</b> Self Flange
<b>NCR2-86</b> Wall Wash <sup>1</sup>	<b>15</b> 1500lm / 18W	<b>30</b> 3000K	<b>M</b> Medium	<b>E3</b> 120V Triac/ELV Dim	<b>D</b> Clear Diffused	<b>WSF</b> White Self Flange
<b>NCR2-88</b> Decorative Glass <sup>*1</sup> (See glass options below)	<b>25</b> 2500lm / 30W	<b>35</b> 3500K	<b>F</b> Flood	<b>E5</b> 120V 0-10V Dim	<b>H</b> Haze	
	<b>45</b> 4500lm / 60W	<b>40</b> 4000K			<b>W</b> White	

Example: **NCR2-812540SE1DWSF** - 8" Retrofit Open Reflector, 2500lm / 30W, 4000K, Spot Beam Spread, 120V input, Clear Diffused Reflector / White Self Flange

<sup>1</sup> Not compatible with 4500lm / 60W.

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

#### ELECTRICAL:

**Voltage:** 120V or 277V

**Lumens / Wattage:**

900lm / 16W, 1500lm / 18W, 2500lm / 30W, 3500lm / 43W, 4500lm / 56W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac, ELV or 0-10V

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

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

#### LISTING & WARRANTY:

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



### 8" DECORATIVE GLASS



**NCR2-88 DECORATIVE GLASS OPTIONS**  
*Glass sold separately*

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

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









*Marquise Series also available in Retrofit see pages 85 and 89.*

# Marquise I & II Series

## IC-RATED, HIGH PERFORMANCE LED DOWNLIGHT

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

**White Light Dimming** (Standard on the Marquise and Marquise II) features lumen packages from 850 to 2500 lumens with smooth and consistent dimming white light shift down to 5%.

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





# MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

## 4" HOUSINGS 850LM OR 1250LM

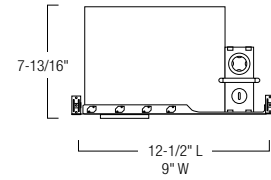
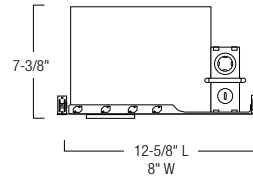
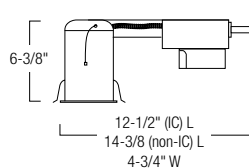
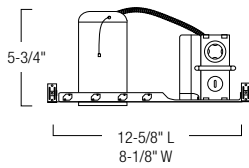


New Construction

Remodel

IC Double Wall

Fire Rated



### 4" MARQUISE SERIES HOUSING

HOUSING TYPE	LUMENS / WATTAGE	LED MODULE	DRIVER	EMERG
<b>NHMIC-4</b> ICAT New Construction	<b>85</b> 850lm / 11W	<b>(blank)</b> Standard <b>C</b> Comfort Dim	<b>LE1</b> 120V Triac/ELV Dim <b>LE2</b> 277V 0-10V Dim <b>LE4</b> 120V 0-10V Dim	<b>EM</b> Emerg w/ Remote Test Switch
<b>NHRMIC-4</b> ICAT Remodel				
<b>NHM-4</b> Non-IC New Construction	<b>12</b> 1250lm / 16W			
<b>NHRM-4</b> Non-IC Remodel				
<b>NHMICD-4</b> ICAT Double Wall				
<b>NFBIC-4L</b> ICAT Fire Box	<b>85AT</b> 850lm / 11W <b>12AT</b> 1250lm / 16W			

Example: **NHM-412LE1** - 4" Non-IC New Construction Housing, 1250lm / 16W, 120V input; Triac/ELV dimming

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

#### ELECTRICAL:

**Voltage:** 120V or 277V  
**Lumens / Wattage:** 850lm / 11W or 1250lm / 16W  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K and Comfort Dim (2700K-1800K)  
**Dimming:** Triac, ELV or 0-10V

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

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

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.  
**Remodel:** High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

#### MINIMUM CLEARANCES:

**Non-IC fixtures** require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.  
**IC housings** are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements.

**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall housings require separate emergency kit (NEPK-BSL17C-C2U) and access from above.

#### LISTING & WARRANTY:

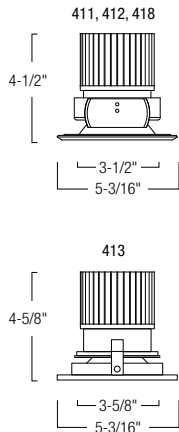
- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty





# COMMERCIAL & RESIDENTIAL MARQUISE I SERIES

## 850LM OR 1250LM 4" REFLECTORS



**NRM-411**  
4" Open Reflector  
BW, BZ, CO, DW, HZW,  
MPW, NN, WW



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



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



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

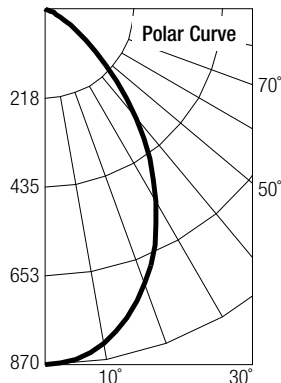
### 4" MARQUISE SERIES REFLECTORS

REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NRM-411</b> Open Reflector	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>BW</b> Black with White Flange
<b>NRM-412</b> Baffle	<b>L12</b> 1250lm / 16W	<b>30</b> 3000K	<b>BZ</b> Bronze with Bronze Flange
<b>NRM-413</b> Square Round Reflector		<b>35</b> 3500K	<b>CO</b> Copper with Copper Flange
<b>NRM-418</b> Decorative Glass*		<b>40</b> 4000K	<b>DW</b> Diffused Clear with White Flange
		<b>CD</b> Comfort Dim	<b>HZW</b> Haze with White Flange
			<b>MPW</b> Matte Powder White with Matte Powder White Flange
			<b>NN</b> Natural Metal with Natural Metal Flange
			<b>WW</b> White with White Flange

Example: **NRM-411L1230BW** - 4" Open Reflector, 1250lm / 16W, 3000K, Black Reflector / White Flange

### PHOTOMETRICS

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



### Illuminance at a Distance

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

### Candela Table

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

### Zonal Lumen Summary

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

### 4" DECORATIVE GLASS



**NRM-418 DECORATIVE GLASS OPTIONS**  
Glass sold separately

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

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

# MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

## 5" HOUSINGS 850LM TO 2000LM



New Construction



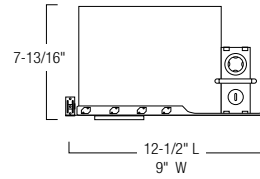
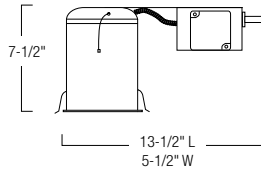
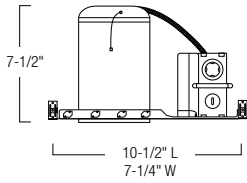
Remodel



Fire Rated



5" Marquise Retrofit available. See page 85.



### 5" MARQUISE SERIES HOUSING

HOUSING TYPE	LUMENS / WATTAGE	LED MODULE	DRIVER	EMERGENCY
<b>NHMIC-5</b> IC New Construction	<b>85</b> 850lm / 11W	<b>(blank)</b> Standard <b>C</b> Comfort Dim	<b>LE1</b> 120V Triac/ELV Dim <b>LE2</b> 277V 0-10V Dim <b>LE4</b> 120V 0-10V Dim	<b>EM</b> Emerg w/ Remote Test Switch
<b>NHRMIC-5</b> IC Remodel				
<b>NHM-5</b> Non-IC New Construction	<b>12</b> 1250lm / 16W			
<b>NHRM-5</b> Non-IC Remodel	<b>20</b> 2000lm / 25W			
<b>NFBIC-5L</b> ICAT New Const. Fire Box	<b>85AT</b> 850lm / 11W			

Example: **NHM-520LE1** - 5" New Construction Housing, 2000lm / 25W, 120V input; Triac/ELV dimming

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

#### ELECTRICAL:

**Voltage:** 120V or 277V  
**Lumens / Wattage:** 850lm / 11W, 1250lm / 16W, 2000lm / 25W  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K and Comfort Dim (2700K-1800K)  
**Dimming:** Triac, ELV or 0-10V

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

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

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.  
**Remodel:** High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

#### MINIMUM CLEARANCES:

**Non-IC fixtures** require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.  
**IC housings** are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

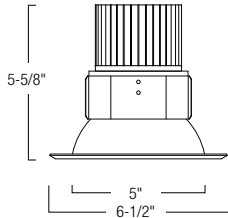
**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall housings require separate emergency kit (NEPK-BSL17C-C2U) and access from above.

#### LISTING & WARRANTY:

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



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



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



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



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

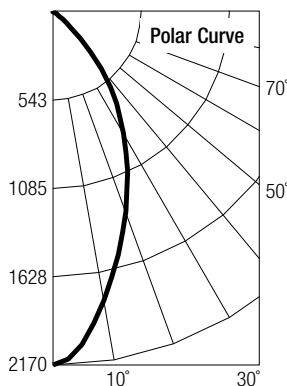
**5" MARQUISE SERIES REFLECTORS**

REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NRM-511</b> Open Reflector	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>BW</b> Black with White Flange
<b>NRM-512</b> Baffle	<b>L12</b> 1250lm / 16W	<b>30</b> 3000K	<b>BZ</b> Bronze with Bronze Flange
<b>NRM-518</b> Decorative Glass*	<b>L20</b> 2000lm / 25W	<b>35</b> 3500K <b>40</b> 4000K <b>CD</b> Comfort Dim	<b>CO</b> Copper with Copper Flange <b>DW</b> Diffused Clear with White Flange <b>HZW</b> Haze with White Flange <b>NN</b> Natural Metal with Natural Metal Flange <b>MPW</b> Matte Powder White with Matte Powder White Flange <b>WW</b> White with White Flange

Example: **NRM-511L1230BW** - 5" Open Reflector, 1250lm / 16W, 3000K, Black Reflector / White Flange

**PHOTOMETRICS**

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



**Illuminance at a Distance**

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

**Candela Table**

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

**Zonal Lumen Summary**

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

**5" DECORATIVE GLASS**



**NRM-518 DECORATIVE GLASS OPTIONS**  
*Glass sold separately*

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

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

# MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

## 5" ADJUSTABLES 850LM TO 2000LM



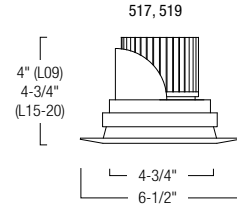
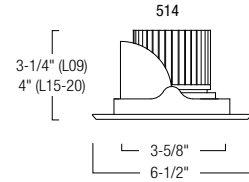
**NRM-514**  
5" Surface Adjustable  
B, BZ, C, CO, MPW, NN, WW



**NRM-517**  
5" Adjustable Regressed Baffle  
BW, BZ, CO, MPW, NN, WW



**NRM-519**  
5" Adjustable Regressed Reflector  
BW, BZ, CO, HZW, MPW, NN, WW



### 5" MARQUISE SERIES ADJUSTABLES

REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NRM-514</b> Surface Adjustable	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>B</b> Black
<b>NRM-517</b> Adjustable Regressed Baffle	<b>L12</b> 1250lm / 16W	<b>30</b> 3000K	<b>BW</b> Black with White Flange
<b>NRM-519</b> Adjustable Regressed Reflector	<b>L20</b> 2000lm / 25W	<b>35</b> 3500K <b>40</b> 4000K <b>CD</b> Comfort Dim	<b>BZ</b> Bronze with Bronze Flange <b>C</b> Chrome <b>CO</b> Copper with Copper Flange <b>HZW</b> Haze with White Flange <b>MPW</b> Matte Powder White with Matte Powder White Flange <b>NN</b> Natural Metal with Natural Metal Flange <b>WW</b> White with White Flange

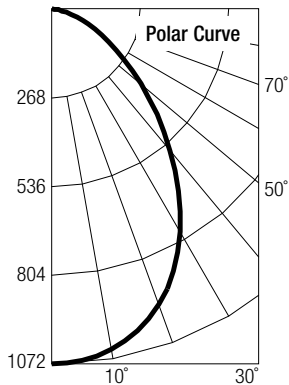
Example: **NRM-514L8527BZ** - 5" Surface Adjustable Reflector, 850lm / 11W, 2700K, Bronze with Bronze Flange

### PHOTOMETRICS

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

#### Illuminance at a Distance

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



#### Candela Table

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

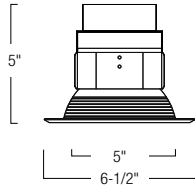
#### Zonal Lumen Summary

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



# COMMERCIAL AND RESIDENTIAL MARQUISE I SERIES

## 850 LUMEN LED 5" RETROFIT



**NRMC-51**  
5" Open Reflector  
BW, BZ, CO, DW, HZW, MPW, NN, WW

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

### 5" MARQUISE SERIES RETROFIT

REFLECTOR TYPE	LUMEN	COLOR TEMP	FINISH
<b>NRMC-51</b> Open Reflector	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>BW</b> Black with White Flange
<b>NRMC-52</b> Baffle		<b>30</b> 3000K	<b>BZ</b> Bronze with Bronze Flange
		<b>35</b> 3500K	<b>CO</b> Copper with Copper Flange
		<b>40</b> 4000K	<b>DW</b> Diffused Clear with White Flange
		<b>CD</b> Comfort Dim	<b>HZW</b> Haze with White Flange
Units are cULus classified for use with Nora housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.			<b>MPW</b> Matte Powder White with Matte Powder White Flange
			<b>NN</b> Natural Metal with Natural Metal Flange
			<b>WW</b> White with White Flange

Example: **NRMC-51L8530BW** - 5" Retrofit Open Reflector, 850lm / 11W, 3000K, Black Reflector with White Flange

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

#### ELECTRICAL:

**Voltage:** 120V

**Lumens / Wattage:** 850lm / 11W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac or ELV

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

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

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

#### LISTING & WARRANTY:

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

#### COMPATIBLE HOUSINGS

##### New Construction

**NHIC-5LMRAT** 5" ICAT Dedicated LED

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

**NFBIC-5LMRAT** 5" ICAT Dedicated LED Fire Box

**NHIC-501QAT** 5" ICAT Line Voltage

**NFBIC-5INCAT** 5" ICAT Line Voltage Fire Box

**NH-501Q** 5" Line Voltage

**NHIC-5G24ATFL** 5" ICAT GU24<sup>1</sup>

##### Remodel

**NHRIC-5LMRAT** 5" Remodel ICAT Dedicated LED

**NHRIC-504QAT** 5" Remodel ICAT Line Voltage

**NHR-504Q** 5" Remodel Line Voltage

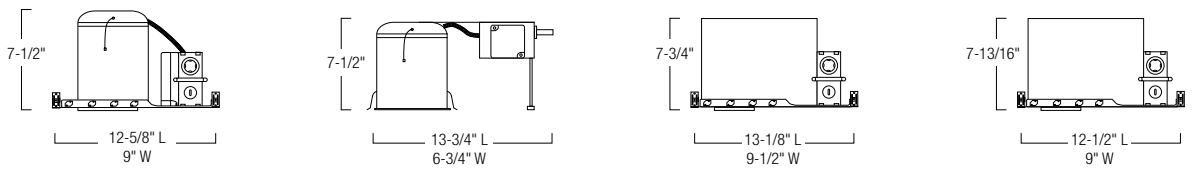
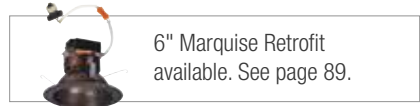
**NHRIC-5G24ATFL** 5" Remodel ICAT GU24<sup>1</sup>

<sup>1</sup>Requires NRA-212SM - GU24 adaptor



# MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

## 6" HOUSINGS 850LM TO 2000LM



### 6" MARQUISE SERIES HOUSING

HOUSING TYPE	LUMENS / WATTAGE	LED MODULE	DRIVER	EMERG
<b>NHMC-6</b> IC New Construction	<b>85</b> 850lm / 11W	<b>(blank)</b> Standard <b>C</b> Comfort Dim	<b>LE1</b> 120V Triac/ELV Dim <b>LE2</b> 277V 0-10V Dim <b>LE4</b> 120V 0-10V Dim	<b>EM</b> Emerg w/ Remote Test Switch
<b>NHRMC-6</b> IC Remodel				
<b>NHM-6</b> Non-IC New Construction	<b>12</b> 1250lm / 16W			
<b>NHRM-6</b> Non-IC Remodel	<b>20</b> 2000lm / 25W			
<b>NHMICD-6</b> IC Double Wall				
<b>NFBIC-6L</b> ICAT New Const. Fire Box	<b>85AT</b> 850lm / 11W <b>12AT</b> 1250lm / 16W			

Example: **NHM-620LE1** - 6" Non-IC New Construction Housing, 2000lm / 25W, 120V input; Triac/ELV Dimming

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

**ELECTRICAL:**  
**Voltage:** 120V or 277V AC  
**Lumens / Wattage:** 850lm / 11W, 1250lm / 16W, 2000lm / 25W  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K and Comfort Dim (2700K-1800K)  
**Dimming:** Triac, ELV or 0-10V

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

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

**INSTALLATION:**  
**New Construction:** Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.  
**Remodel:** High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

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

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

**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall housings require separate emergency kit (NEPK-BSL17C-C2U) and access from above.

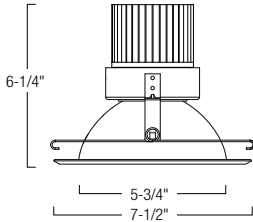
**LISTING & WARRANTY:**

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



# COMMERCIAL & RESIDENTIAL MARQUISE I SERIES

## 850LM TO 2000LM 6" REFLECTORS



**NRM-611**  
6" Open Reflector  
BW, BZ, CO, DW, HZW,  
MPW, NN, WW



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



**NRM-618 / NTG-6CF**  
6" Decorative Glass  
BW, BZ, CO, DW, HZW,  
MPW, NN, WW

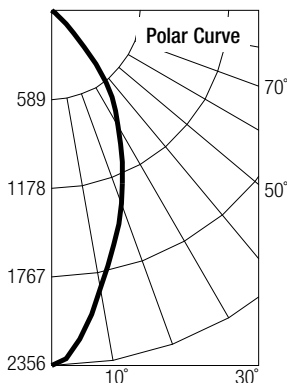
### 6" MARQUISE SERIES REFLECTORS

REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NRM-611</b> Open Reflector	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>BW</b> Black with White Flange
<b>NRM-612</b> Baffle	<b>L12</b> 1250lm / 16W	<b>30</b> 3000K	<b>BZ</b> Bronze with Bronze Flange
<b>NRM-618</b> Decorative Glass*	<b>L20</b> 2000lm / 25W	<b>35</b> 3500K	<b>CO</b> Copper with Copper Flange
		<b>40</b> 4000K	<b>DW</b> Diffused Clear with White Flange
		<b>CD</b> Comfort Dim	<b>HZW</b> Haze with White Flange
			<b>MPW</b> Matte Powder White with Matte Powder White Flange
			<b>NN</b> Natural Metal with Natural Metal Flange
			<b>WW</b> White with White Flange

Example: **NRM-611L1230BW** - 6" Open Reflector, 1250lm / 16W, 3000K, Black Reflector with White Flange

### PHOTOMETRICS

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



### Illuminance at a Distance

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

### Candela Table

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

### Zonal Lumen Summary

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

### 6" DECORATIVE GLASS



#### NRM-618 DECORATIVE GLASS OPTIONS

Glass sold separately

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

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

# MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

## 6" ADJUSTABLES 850LM TO 2000LM



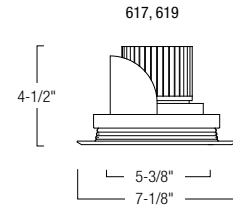
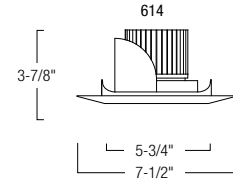
**NRM-614**  
6" Surface Adjustable  
B, BZ, C, CO, MPW, NN, WW



**NRM-617**  
6" Adjustable Regressed Baffle  
BW, BZ, CO, MPW, NN, WW



**NRM-619**  
6" Adjustable Regressed Reflector  
BW, BZ, CO, HZW, MPW, NN, WW



### 6" MARQUISE SERIES ADJUSTABLES

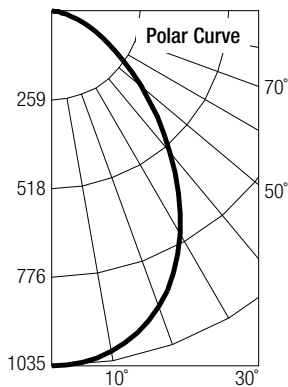
REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NRM-614</b> Surface Adjustable	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>B</b> Black
<b>NRM-617</b> Adjustable Regressed Baffle	<b>L12</b> 1250lm / 16W	<b>30</b> 3000K	<b>BW</b> Black with White Flange
<b>NRM-619</b> Adjustable Regressed Reflector	<b>L20</b> 2000lm / 25W	<b>35</b> 3500K <b>40</b> 4000K <b>CD</b> Comfort Dim	<b>BZ</b> Bronze with Bronze Flange <b>C</b> Chrome <b>CO</b> Copper with Copper Flange <b>HZW</b> Haze with White Flange <b>MPW</b> Matte Powder White with Matte Powder White Flange <b>NN</b> Natural Metal with Natural Metal Flange <b>WW</b> White with White Flange

Example: **NRM-614L8527BZ** - 6" Surface Adjustable Reflector, 850lm / 11W, 2700K, Bronze with Bronze Flange

### PHOTOMETRICS

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

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

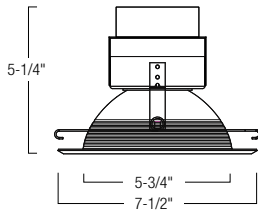


Vertical Angles	Candela
0	1035
5	1028
15	972
25	843
35	648
45	435

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



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



**NRMC-61**  
6" Open Reflector  
BW, BZ, CO, DW, HZW, MPW, NN, WW

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

6" MARQUISE SERIES RETROFIT

REFLECTOR TYPE	LUMEN	COLOR TEMP	FINISH
<b>NRMC-61</b> Open Reflector	<b>L85</b> 850lm / 11W	<b>27</b> 2700K	<b>BW</b> Black with White Flange
<b>NRMC-62</b> Baffle		<b>30</b> 3000K	<b>BZ</b> Bronze with Bronze Flange
		<b>35</b> 3500K	<b>CO</b> Copper with Copper Flange
		<b>40</b> 4000K	<b>DW</b> Diffused Clear with White Flange
		<b>CD</b> Comfort Dim	<b>HZW</b> Haze with White Flange
			<b>MPW</b> Matte Powder White with Matte Powder White Flange
			<b>NN</b> Natural Metal with Natural Metal Flange
			<b>WW</b> White with White Flange

Example: **NRMC-61L8530BW** - 6" Open Reflector Retrofit, 850lm / 11W, 3000K, Black Reflector with White Flange

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

**ELECTRICAL:**

- Voltage:** 120V
- Lumens / Wattage:** 850lm / 11W
- Color Rendering Index:** 90+ CRI
- Color Temperature:** 2700K, 3000K, 3500K, 4000K and Comfort Dim (2700K-1800K)
- Dimming:** Triac or ELV

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

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

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

**LISTING & WARRANTY:**

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

**COMPATIBLE HOUSINGS**

**New Construction**

- NHIC-6LMRAT** 6" ICAT Dedicated LED
- NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V
- NFBIC-6LMRAT** 6" ICAT Dedicated LED Fire Box
- NHIC-17QAT** 6" ICAT Line Voltage
- NHIC-17QNBAT** 6" ICAT Line Voltage (No Bracket)
- NFBIC-6INCAT** 6" ICAT Line Voltage Fire Box
- NH-26Q** 6" Line Voltage
- NH-26QNB** 6" Line Voltage (No Bracket)
- NHIC-6G24ATFL** 6" ICAT GU24<sup>1</sup>

**Remodel**

- NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED
- NHRIC-17QAT** 6" Remodel ICAT Line Voltage
- NHRIC-17QNBAT** 6" ICAT Line Voltage (No Bracket)
- NHR-26Q** 6" Remodel Line Voltage
- NHRIC-6G24ATFL** 6" Remodel ICAT GU24<sup>1</sup>

<sup>1</sup>Requires **NRA-212SM** - GU24 adaptor



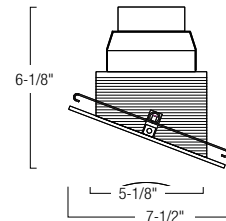
# MARQUISE I SERIES COMMERCIAL & RESIDENTIAL

## 6" SLOPE RETROFIT 850LM



**NRMC-6S11**  
6" Slope Reflector  
B, MPW, W

**NRMC-6S12**  
6" Slope Baffle  
B, MPW, W



### 6" MARQUISE SLOPE SERIES RETROFIT

REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NRMC-6S11</b> Slope Retrofit Reflector	<b>85</b> 850lm / 11W	<b>27</b> 2700K	<b>B</b> Black with White Flange <b>MPW</b> Matte Powder White with Matte Powder White Flange <b>W</b> White with White Flange
<b>NRMC-6S12</b> Slope Retrofit Baffle		<b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K <b>CD</b> Comfort Dim	

Units are cULus classified for use with Nora housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.

Example: **NRMC-6S118527W** - 6" Slope Retrofit Reflector, 850lm / 11W, 2700K, White Reflector with White Flange

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

#### ELECTRICAL:

**Voltage:** 120V

**Lumens / Wattage:** 850lm / 11W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac or ELV

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

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

**RETROFIT:** Marquise retrofit series includes medium base socket adapter (NRA-211SM) for retrofitting into existing medium base downlight housings.

#### LISTING & WARRANTY:

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



#### COMPATIBLE HOUSINGS

##### New Construction

- NHMIC-926LMRAT** 6" ICAT Dedicated LED
- NHIC-926QAT** 6" ICAT Line Voltage
- NH-926Q** 6" Line Voltage

##### Remodel

- NHRMIC-926LMRAT** 6" Remodel ICAT Dedicated LED
- NHRIC-926QAT** 6" Remodel ICAT Line Voltage
- NHR-926Q** 6" Remodel Line Voltage

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

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



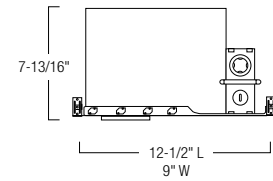
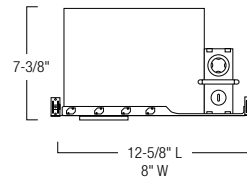
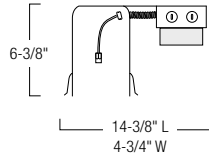
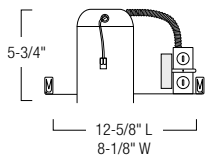
**LIGHTING TIP**

The Marquise LED Retrofit is an excellent solution to a remodel with existing housings. The Marquise is available in Comfort Dim allowing for 2700K to 1800K dimming in key areas of the remodel, such as a theater room, lobby, restaurant, or multi-purpose room. The 850 lumen output is ideal for ceilings under 10 feet.



# MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

## 4" HOUSINGS 900LM TO 1500LM



### 4" MARQUISE II SERIES HOUSING

HOUSING TYPE	LUMENS / WATTAGE	DRIVER	EMERGENCY
<b>NHMIC2-4</b> IC New Construction	<b>09</b> 900lm / 16W	<b>LE2</b> 277V 0-10V Dim <b>LE3</b> 120V Triac/ELV Dim <b>LE5</b> 120V 0-10V Dim	<b>EM</b> Emergency w/ Remote Test Switch
<b>NHRMIC2-4</b> IC Remodel			
<b>NHM2-4</b> Non-IC New Construction	<b>15</b> 1500lm / 18W		
<b>NHRM2-4</b> Non-IC Remodel			
<b>NHMICD2-4</b> IC Double Wall New			
<b>NFBIC2-4L</b> ICAT New Const. New Fire Box	<b>09AT</b> 900lm / 16W <b>15AT</b> 1500lm / 18W		

Example: **NHM2-415LE2** - 4" New Construction Housing, 1500lm / 18W, 277V input, 0-10V dimming

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

#### ELECTRICAL:

**Voltage:** 120V or 277V  
**Lumens / Wattage:** 900lm / 16W or 1500lm / 18W  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K  
**Dimming:** Triac, ELV or 0-10V

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

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.  
**Remodel:** High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

#### MINIMUM CLEARANCES:

**Non-IC fixtures** require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.  
**IC housings** are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall housings require separate emergency kit (NEPK-BSL17C-C2U) and access from above.

#### LISTING & WARRANTY:

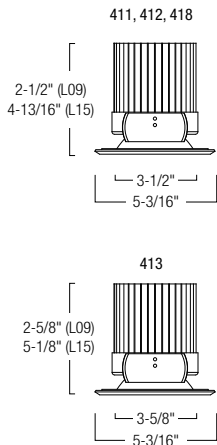
- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty





# COMMERCIAL & RESIDENTIAL MARQUISE II SERIES

## 900LM TO 1500LM 4" REFLECTORS



**NRM2-411**  
4" Open Reflector  
BW, BZ, CO, DW, HZW,  
MPW, NN, WW

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

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

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

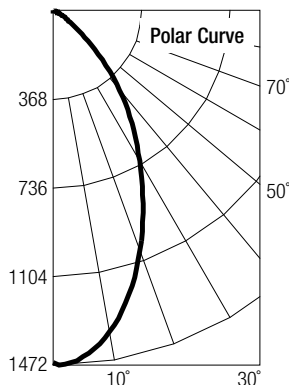
### 4" MARQUISE II SERIES REFLECTORS

REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NRM2-411</b> Open Reflector	<b>L09</b> 900lm / 16W	<b>27</b> 2700K	<b>S</b> Spot	<b>BW</b> Black with White Flange
<b>NRM2-412</b> Baffle	<b>L15</b> 1500lm / 18W	<b>30</b> 3000K	<b>M</b> Medium	<b>BZ</b> Bronze with Bronze Flange
<b>NRM2-413</b> Square Round Reflector		<b>35</b> 3500K	<b>F</b> Flood	<b>CO</b> Copper with Copper Flange
<b>NRM2-418</b> Decorative Glass*		<b>40</b> 4000K		<b>DW</b> Diffused Clear with White Flange
				<b>HZW</b> Haze with White Flange
				<b>MPW</b> Matte Powder White with Matte Powder White Flange
				<b>NN</b> Natural Metal with Natural Metal Flange
				<b>WW</b> White with White Flange

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

### PHOTOMETRICS

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



### Illuminance at a Distance

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

### Candela Table

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

### Zonal Lumen Summary

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

### 4" DECORATIVE GLASS



**NRM2-418 DECORATIVE GLASS OPTIONS**  
Glass sold separately

**NTG-4B/80** 4" Tempered Blue Glass with 3-1/8" Open Center

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

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

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

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

# MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

## 5" HOUSINGS 900LM TO 2500LM



New Construction



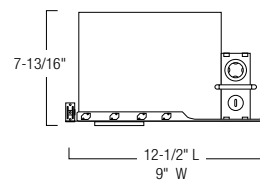
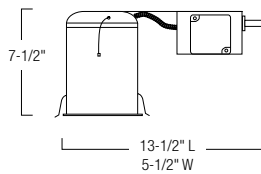
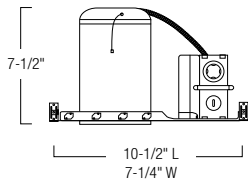
Remodel



Fire Rated



5" Marquise II LED Retrofit available. See page 97.



### 5" MARQUISE II SERIES HOUSING

HOUSING TYPE	LUMENS / WATTAGE	DRIVER	EMERGENCY
<b>NHMIC2-5</b> IC New Construction	<b>09</b> 900lm / 16W	<b>LE2</b> 277V 0-10V Dim <b>LE3</b> 120V Triac/ELV Dim <b>LE5</b> 120V 0-10V Dim	<b>EM</b> Emergency w/ Remote Test Switch
<b>NHRMIC2-5</b> IC Remodel			
<b>NHM2-5</b> Non-IC New Construction	<b>15</b> 1500lm / 18W		
<b>NHRM2-5</b> Non-IC Remodel	<b>25</b> 2500lm / 30W		
<b>NFBIC2-5L</b> ICAT New Const. Fire Box	<b>09AT</b> 900lm / 16W		

Example: **NHM2-515LE5** - 5" New Construction Housing, 1500lm / 18W, 120V input; 0-10V dimming

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

#### ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage:

900lm / 16W, 1500lm / 18W, 2500lm / 30W

Color Rendering Index: 90+ CRI

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

Dimming: Triac, ELV or 0-10V

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

#### INSTALLATION:

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

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

#### MINIMUM CLEARANCES:

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

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

**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall housings require separate emergency kit (NEPK-BSL17C-C2U) and access from above.

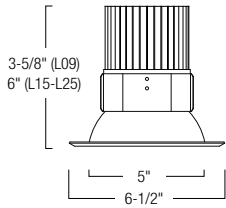
#### LISTING & WARRANTY:

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



# COMMERCIAL & RESIDENTIAL MARQUISE II SERIES

## 900LM TO 2500LM 5" REFLECTORS



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



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



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

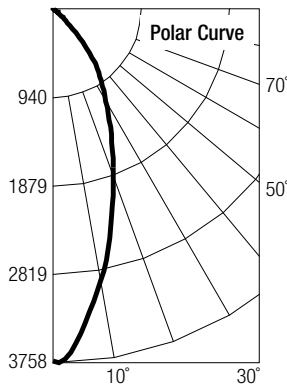
### 5" MARQUISE II SERIES REFLECTORS

REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NRM2-511</b> Open Reflector	<b>L09</b> 900lm / 16W	<b>27</b> 2700K	<b>S</b> Spot	<b>BW</b> Black with White Flange
<b>NRM2-512</b> Baffle	<b>L15</b> 1500lm / 18W	<b>30</b> 3000K	<b>M</b> Medium	<b>BZ</b> Bronze with Bronze Flange
<b>NRM2-518</b> Decorative Glass*	<b>L25</b> 2500lm / 30W	<b>35</b> 3500K <b>40</b> 4000K	<b>F</b> Flood	<b>CO</b> Copper with Copper Flange <b>DW</b> Diffused Clear with White Flange <b>HZW</b> Haze with White Flange <b>MPW</b> Matte Powder White with Matte Powder White Flange <b>NN</b> Natural Metal with Natural Metal Flange <b>WW</b> White with White Flange

Example: **NRM2-511L0930MBW** - 5" Open Reflector, 900lm / 16W, 3000K, Medium Beam Spread, Black Reflector / White Flange

### PHOTOMETRICS

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



### Illuminance at a Distance

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

### Candela Table

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

### Zonal Lumen Summary

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

### 5" DECORATIVE GLASS



**NRM2-518 DECORATIVE GLASS OPTIONS**  
Glass sold separately

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

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

# MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

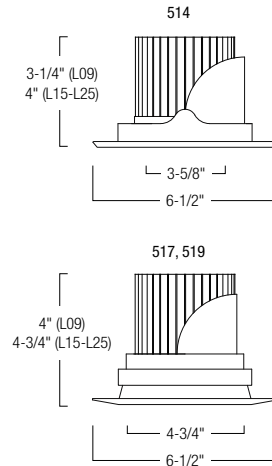
## 5" ADJUSTABLES 850LM TO 2000LM



**NRM2-514**  
5" Surface Adjustable  
B, BZ, C, CO, MPW, NN, WW

**NRM2-517**  
5" Adjustable Regressed Baffle  
BW, BZ, CO, MPW, NN, WW

**NRM2-519**  
5" Adjustable Regressed Reflector  
BW, BZ, CO, HZW, MPW, NN, WW



### 5" MARQUISE II SERIES ADJUSTABLES

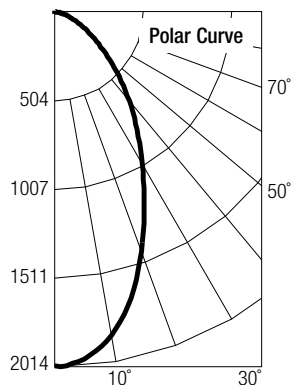
REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NRM2-514</b> Surface Adjustable	<b>L09</b> 900lm / 16W	<b>27</b> 2700K	<b>S</b> Spot	<b>B</b> Black
<b>NRM2-517</b> Adjustable Regressed Baffle	<b>L15</b> 1500lm / 18W	<b>30</b> 3000K	<b>M</b> Medium	<b>BW</b> Black with White Flange
<b>NRM2-519</b> Adjustable Regressed Reflector	<b>L25</b> 2500lm / 30W	<b>35</b> 3500K <b>40</b> 4000K	<b>F</b> Flood	<b>BZ</b> Bronze with Bronze Flange <b>C</b> Chrome <b>CO</b> Copper with Copper Flange <b>HZW</b> Haze with White Flange <b>MPW</b> Matte Powder White with Matte Powder White Flange <b>NN</b> Natural Metal with Natural Metal Flange <b>WW</b> White with White Flange

Example: **NRM2-514L0927MBZ** - 5" Surface Adjustable Reflector, 900lm / 16W, 2700K, Medium Beam Spread, Bronze with Bronze Flange

### PHOTOMETRICS

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

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



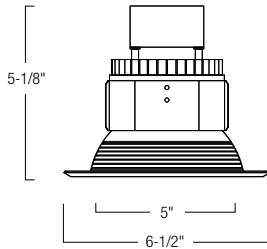
Vertical Angles	Candela
0	2008
5	1974
15	1678
25	1203
35	815
45	519

Zone	Lumens	% Luminaire
0-30	1206	45.6
0-40	1717	64.9
0-60	2384	90.1
0-90	2625	99.2
90-180	21	0.8
0-180	2646	100



# COMMERCIAL & RESIDENTIAL MARQUISE II SERIES

## 900LM 5" RETROFIT



**NRMC2-51**  
5" Open Reflector  
BW, BZ, CO, DW, HZW, MPW, NN, WW

**NRMC2-52**  
5" Baffle  
BW, BZ, CO, MPW, NN, WW

### 5" MARQUISE II SERIES RETROFIT

REFLECTOR TYPE	LUMEN	COLOR TEMP	BEAM SPREAD	FINISH
<b>NRMC2-51</b> Open Reflector	<b>L09</b> 900lm / 16W	<b>27</b> 2700K	<b>S</b> Spot	<b>BW</b> Black with White Flange
<b>NRMC2-52</b> Baffle		<b>30</b> 3000K	<b>M</b> Medium	<b>BZ</b> Bronze with Bronze Flange
		<b>35</b> 3500K	<b>F</b> Flood	<b>CO</b> Copper with Copper Flange
		<b>40</b> 4000K		<b>DW</b> Diffused Clear with White Flange
Units are cULus classified for use with Nora housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.				
				<b>HZW</b> Haze with White Flange
				<b>MPW</b> Matte Powder White with Matte Powder White Flange
				<b>NN</b> Natural Metal with Natural Metal Flange
				<b>WW</b> White with White Flange

Example: **NRMC2-51L0930SBW** - 5" Open Reflector Retrofit, 900lm/16W, 3000K, Spot Beam Spread, Black Reflector, White Flange

Marquise II 5" Retrofit LEDs feature a deep cone for visual comfort. The retrofit fits 5" IC and non-IC housings by Nora and others. Use Marquise Retrofits for a dramatic, economical, dimmable experience in commercial and residential spaces.

#### ELECTRICAL:

**Voltage:** 120V

**Lumens / Wattage:** 900lm / 16W

**Color Rendering Index:** 90+ CRI

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

**Dimming:** Triac or ELV

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

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

#### LISTING & WARRANTY:

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

#### COMPATIBLE HOUSINGS

##### New Construction

**NHIC-5LMRAT** 5" ICAT Dedicated LED

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

**NFBIC-5LMRAT** 5" ICAT Dedicated LED Fire Box

**NHIC-501QAT** 5" ICAT Line Voltage

**NFBIC-5INCAT** 5" ICAT Line Voltage Fire Box

**NH-501Q** 5" Line Voltage

**NHIC-5G24ATFL** 5" ICAT GU24<sup>1</sup>

##### Remodel

**NHRIC-5LMRAT** 5" Remodel ICAT Dedicated LED

**NHRIC-504QAT** 5" Remodel ICAT Line Voltage

**NHR-504Q** 5" Remodel Line Voltage

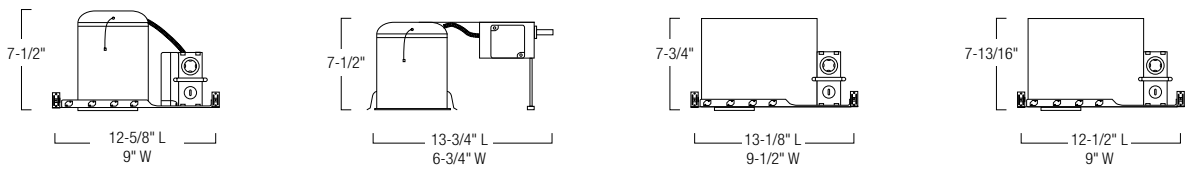
**NHRIC-5G24ATFL** 5" Remodel ICAT GU24<sup>1</sup>

<sup>1</sup>Requires **NRA-212SM** - GU24 adaptor



# MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

## 6" HOUSINGS 900LM TO 2500LM



### 6" MARQUISE II SERIES HOUSING

HOUSING TYPE	LUMENS / WATTAGE	DRIVER	EMERGENCY
<b>NHMIC2-6</b> IC New Construction	<b>09</b> 900lm / 16W	<b>LE2</b> 277V 0-10V Dim <b>LE3</b> 120V Triac/ELV Dim <b>LE5</b> 120V 0-10V Dim	<b>EM</b> Emergency w/ Remote Test Switch
<b>NHRMIC2-6</b> IC Remodel			
<b>NHM2-6</b> Non-IC New Construction	<b>15</b> 1500lm / 18W		
<b>NHRM2-6</b> Non-IC Remodel	<b>25</b> 2500lm / 30W		
<b>NHMICD2-6</b> IC Double Wall			
<b>NFBIC2-6L</b> ICAT New Fire Box	<b>09AT</b> 900lm / 16W <b>15AT</b> 1500lm / 18W		

Example: **NHM2-625LE5** - 6" New Construction Housing, 2500lm / 30W, 120V input; 0-10V dimming

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

**ELECTRICAL:**

**Voltage:** 120V or 277V  
**Lumens / Wattage:**  
 900lm / 16W, 1500lm / 18W, 2500lm / 30W  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K  
**Dimming:** Triac, ELV or 0-10V

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

**INSTALLATION:**

**New Construction:** Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.  
**Remodel:** High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

**MINIMUM CLEARANCES:**

**Non-IC fixtures** require minimum clearances of 3" from thermal insulation and 1/2" from adjacent building components.  
**IC housings** are rated for direct contact with thermal insulation material and do not have any minimum clearance requirements

**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. Double wall housings require separate emergency kit (NEPK-BSL17C-C2U) and access from above.

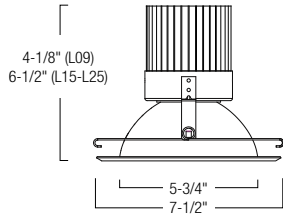
**LISTING & WARRANTY:**

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



# COMMERCIAL & RESIDENTIAL MARQUISE II SERIES

## 900LM TO 2500LM 6" REFLECTORS



**NRM2-611**  
6" Open Reflector  
BW, BZ, CO, DW, HZW,  
MPW, NN, WW



**NRM2-612**  
6" Baffle  
BW, BZ, CO, MPW, NN, WW



**NRM2-618 / NTG-6CF**  
6" Decorative Glass  
BW, BZ, CO, DW, HZW,  
MPW, NN, WW

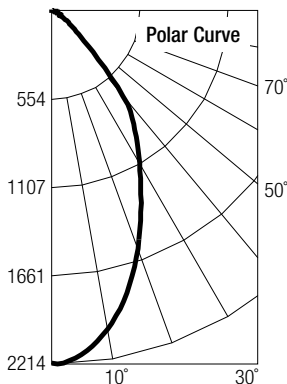
### 6" MARQUISE II SERIES REFLECTORS

REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NRM2-611</b> Open Reflector	<b>L09</b> 900lm / 16W	<b>27</b> 2700K	<b>S</b> Spot	<b>BW</b> Black with White Flange
<b>NRM2-612</b> Baffle	<b>L15</b> 1500lm / 18W	<b>30</b> 3000K	<b>M</b> Medium	<b>BZ</b> Bronze with Bronze Flange
<b>NRM2-618</b> Decorative Glass*	<b>L25</b> 2500lm / 30W	<b>35</b> 3500K <b>40</b> 4000K	<b>F</b> Flood	<b>CO</b> Copper with Copper Flange <b>DW</b> Diffused Clear with White Flange <b>HZW</b> Haze with White Flange <b>MPW</b> Matte Powder White with Matte Powder White Flange <b>NN</b> Natural Metal with Natural Metal Flange <b>WW</b> White with White Flange

Example: **NRM2-611L1530FBW** - 6" Open Reflector, 1500lm / 18W, 3000K, Flood Beam Spread, Black Reflector / White Flange

### PHOTOMETRICS

Test Number: NTR11039  
Part Number: NRM2-611L2540MWW  
Beam Spread: Narrow Flood  
Lumens: 2445lm  
Wattage: 29W  
Efficacy: 84lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 0.86  
Spacing Criteria (90°-270°): 0.86



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	61.4fc	6'-11"
9'	27.3fc	10'-5"
12'	15.4fc	13'-11"
15'	9.8fc	17'-4"
18'	6.8fc	20'-10"

### Candela Table

Vertical Angles	Candela
0	2211
5	2156
15	1831
25	1334
35	917
45	378

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1322	54.1
0-40	1891	77.3
0-60	2314	94.6
0-90	2427	99.3
90-180	0	0
0-180	2445	100

### 6" DECORATIVE GLASS



#### NRM2-618 DECORATIVE GLASS OPTIONS

*Glass sold separately*

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

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

# MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

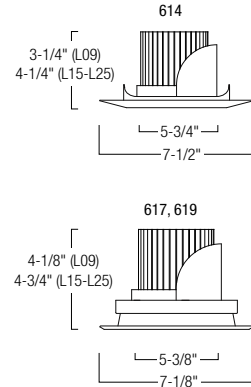
## 6" ADJUSTABLES 900LM TO 2500LM



**NRM2-614**  
6" Surface Adjustable  
B, BZ, C, CO, MPW, NN, WW

**NRM2-617**  
6" Adjustable Regressed Baffle  
BW, BZ, CO, MPW, NN, WW

**NRM2-619**  
6" Adjustable Regressed Reflector  
BW, BZ, CO, HZW, MPW, NN, WW



### 6" MARQUISE II SERIES ADJUSTABLES

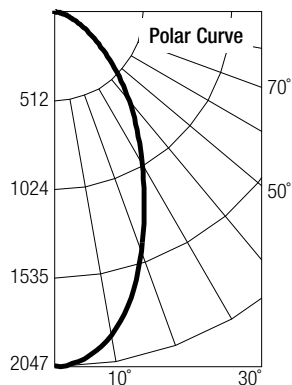
REFLECTOR TYPE	LUMENS / WATTAGE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NRM2-614</b> Surface Adjustable	<b>L09</b> 900lm / 16W	<b>27</b> 2700K	<b>S</b> Spot	<b>B</b> Black
<b>NRM2-617</b> Adjustable Regressed Baffle	<b>L15</b> 1500lm / 18W	<b>30</b> 3000K	<b>M</b> Medium	<b>BW</b> Black with White Flange
<b>NRM2-619</b> Adjustable Regressed Reflector	<b>L25</b> 2500lm / 30W	<b>35</b> 3500K <b>40</b> 4000K	<b>F</b> Flood	<b>BZ</b> Bronze with Bronze Flange <b>C</b> Chrome <b>CO</b> Copper with Copper Flange <b>HZW</b> Haze with White Flange <b>MPW</b> Matte Powder White with Matte Powder White Flange <b>NN</b> Natural Metal with Natural Metal Flange <b>WW</b> White with White Flange

Example: **NRM2-614L0927MBZ** - 6" Surface Adjustable Reflector, 900lm / 16W, 2700K, Medium Beam Spread, Bronze with Bronze Flange

### PHOTOMETRICS

Test Number: NTR11045  
Part Number: NRM2-614L2540MWW  
Beam Spread: Narrow Flood  
Lumens: 2677lm  
Wattage: 29.1W  
Efficacy: 92lpw  
CCT / CRI: 4000K / 90 CRI  
Spacing Criteria (0°-180°): 0.86  
Spacing Criteria (90°-270°): 0.86

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	127fc	4'-7"
6'	56.6fc	6'-11"
8'	31.8fc	9'-2"
10'	20.4fc	11'-6"
12'	14.2fc	13'-10"



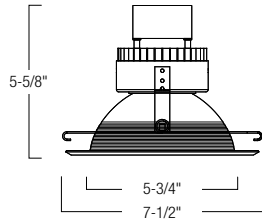
Vertical Angles	Candela
0	2038
5	2008
15	1716
25	1226
35	830
45	521

Zone	Lumens	% Luminaire
0-30	1230	46
0-40	1750	65.4
0-60	2413	90.2
0-90	2658	99.3
90-180	19	0.7
0-180	2677	100



# COMMERCIAL & RESIDENTIAL MARQUISE II SERIES

## 900LM 6" RETROFIT



**NRMCMC-61**  
6" Open Reflector  
BW, BZ, CO, DW, HZW, MPW, NN, WW



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

### 6" MARQUISE II SERIES RETROFIT

REFLECTOR TYPE	LUMEN	COLOR TEMP	BEAM SPREAD	FINISH
<b>NRMCMC-61</b> Open Reflector	<b>L09</b> 900lm / 16W	<b>27</b> 2700K	<b>S</b> Spot	<b>BW</b> Black with White Flange
<b>NRMCMC-62</b> Baffle		<b>30</b> 3000K	<b>M</b> Medium	<b>BZ</b> Bronze with Bronze Flange
		<b>35</b> 3500K	<b>F</b> Flood	<b>CO</b> Copper with Copper Flange
		<b>40</b> 4000K		<b>DW</b> Diffused Clear with White Flange
				<b>HZW</b> Haze with White Flange
				<b>MPW</b> Matte Powder White with Matte Powder White Flange
				<b>NN</b> Natural Metal with Natural Metal Flange
				<b>WW</b> White with White Flange

Example: **NRMCMC-61L09030MBW** - 6" Open Reflector Retrofit, 900lm / 16W, 3000K, Medium Beam Spread, Black Reflector / White Flange

Marquise II 6" Retrofit LEDs feature a deep cone for visual comfort. The retrofit fits 5" IC and non-IC housings by Nora and others. Use Marquise Retrofits for a dramatic, economical, dimmable experience in commercial and residential spaces.

#### ELECTRICAL:

**Voltage:** 120V  
**Lumens / Wattage:** 900lm / 16W  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K  
**Dimming:** Triac or ELV

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

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

#### LISTING & WARRANTY:

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

#### COMPATIBLE HOUSINGS

##### New Construction

- NHIC-6LMRAT** 6" ICAT Dedicated LED
- NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V
- NFBIC-6LMRAT** 6" ICAT Dedicated LED Fire Box
- NHIC-17QAT** 6" ICAT Line Voltage
- NHIC-17QNBAT** 6" ICAT Line Voltage (No Bracket)
- NFBIC-6INCAT** 6" ICAT Line Voltage Fire Box
- NH-26Q** 6" Line Voltage
- NH-26QNB** 6" Line Voltage (No Bracket)
- NHIC-6G24ATFL** 6" ICAT GU24<sup>1</sup>

##### Remodel

- NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED
- NHRIC-17QAT** 6" Remodel ICAT Line Voltage
- NHRIC-17QNBAT** 6" ICAT Line Voltage (No Bracket)
- NHR-26Q** 6" Remodel Line Voltage
- NHRIC-6G24ATFL** 6" Remodel ICAT GU24<sup>1</sup>

<sup>1</sup>Requires NRA-212SM - GU24 adaptor



# MARQUISE II SERIES COMMERCIAL & RESIDENTIAL

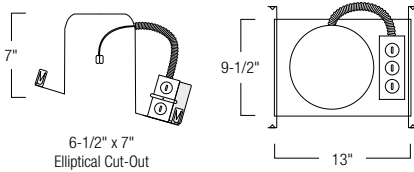
## 6" SLOPE HOUSINGS 1400LM



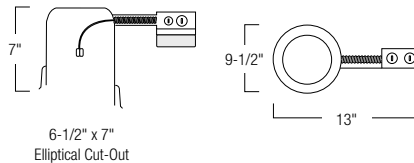
New Construction



Remodel



6-1/2" x 7"  
Elliptical Cut-Out



6-1/2" x 7"  
Elliptical Cut-Out

### 6" MARQUISE II SERIES SLOPE HOUSING

HOUSING TYPE	LUMENS / WATTAGE	DRIVER	EMERGENCY
<b>NHMIC2-926</b> IC New Construction	<b>14</b> 1400lm / 17W	<b>LE2</b> 277V 0-10V Dim	<b>EM</b> Emergency w/ Remote Test Switch
<b>NHRMIC2-926</b> IC Remodel		<b>LE3</b> 120V Triac/ELV Dim <b>LE5</b> 120V 0-10V Dim	

Example: **NHMIC2-92614LE5** - 6" New Construction Housing, 1400lm / 17W, 120V input; 0-10V dimming

Nora Lighting's IC construction housing for sloped ceiling offer a clear path of unobstructed light from a 6/12 pitch ceiling to any floor or surface or 12/12 pitch with designated trims. Air-tight housing additionally reduces energy costs by decreasing the flow or air escaping through the ceiling. Rated for direct contact with insulation and adjacent ceiling structures. Nora's sloped IC housings are easy and quick to install and accepts Marquise II sloped reflectors.

#### ELECTRICAL:

**Voltage:** 120V or 277V  
**Lumens / Wattage:** 1400lm / 17W  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K  
**Dimming:** Triac, ELV or 0-10V

**CONSTRUCTION:** High quality 0.035 galvanized steel housing and frame. Riveted wrap and dome cap construction.

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-5/8" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.  
**Remodel:** High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

#### MINIMUM CLEARANCES:

IC housings are rated for direct contact and do not have any minimum clearance requirements

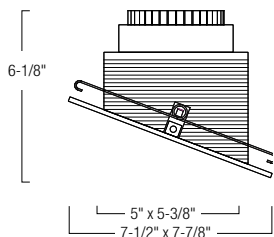
**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light.

#### LISTING & WARRANTY:

- cULus Listed for Wet Location
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- Meets or exceeds ASTM-283 Air-Tight requirements
- 5 Year Limited Warranty



COMMERCIAL & RESIDENTIAL **MARQUISE II SERIES**  
**1400LM 6" SLOPE REFLECTORS**



**NRM2-6S11**  
 6" Slope Reflector  
 B, MPW, W



**NRM2-6S12**  
 6" Slope Baffle  
 B, MPW, W

**6" MARQUISE II SLOPE SERIES REFLECTORS**

REFLECTOR TYPE	LUMEN	COLOR TEMP	BEAM SPREAD	FINISH
<b>NRM2-6S11</b> Slope Reflector	<b>L14</b> 1400lm / 17W	<b>27</b> 2700K	<b>S</b> Spot	<b>B</b> Black with White Flange
<b>NRM2-6S12</b> Slope Baffle		<b>30</b> 3000K	<b>M</b> Medium	<b>MPW</b> Matte Powder White with Matte Powder White Flange
		<b>35</b> 3500K	<b>F</b> Flood	<b>W</b> White with White Flange
		<b>40</b> 4000K		

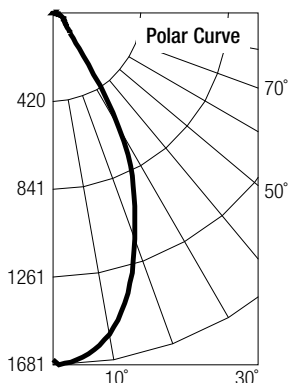
Example: **NRM2-6S11L1427MW** - 6" Slope Reflector, 1400lm / 17W, 2700K, Medium Beam Spread, White Reflector with White Flange

**PHOTOMETRICS**

Test Number: NTR21119  
 Part Number: NRM2-6S11L1440MW  
 Beam Spread: Narrow Flood  
 Lumens: 1443lm  
 Wattage: 16.7W  
 Efficacy: 87lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 0.82  
 Spacing Criteria (90°-270°): 0.82

**Illuminance at a Distance**

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	46fc	6'
9'	20.4fc	9'-1"
12'	11.5fc	12'-1"
15'	7.4fc	15'-1"
18'	5.1fc	18'-1"

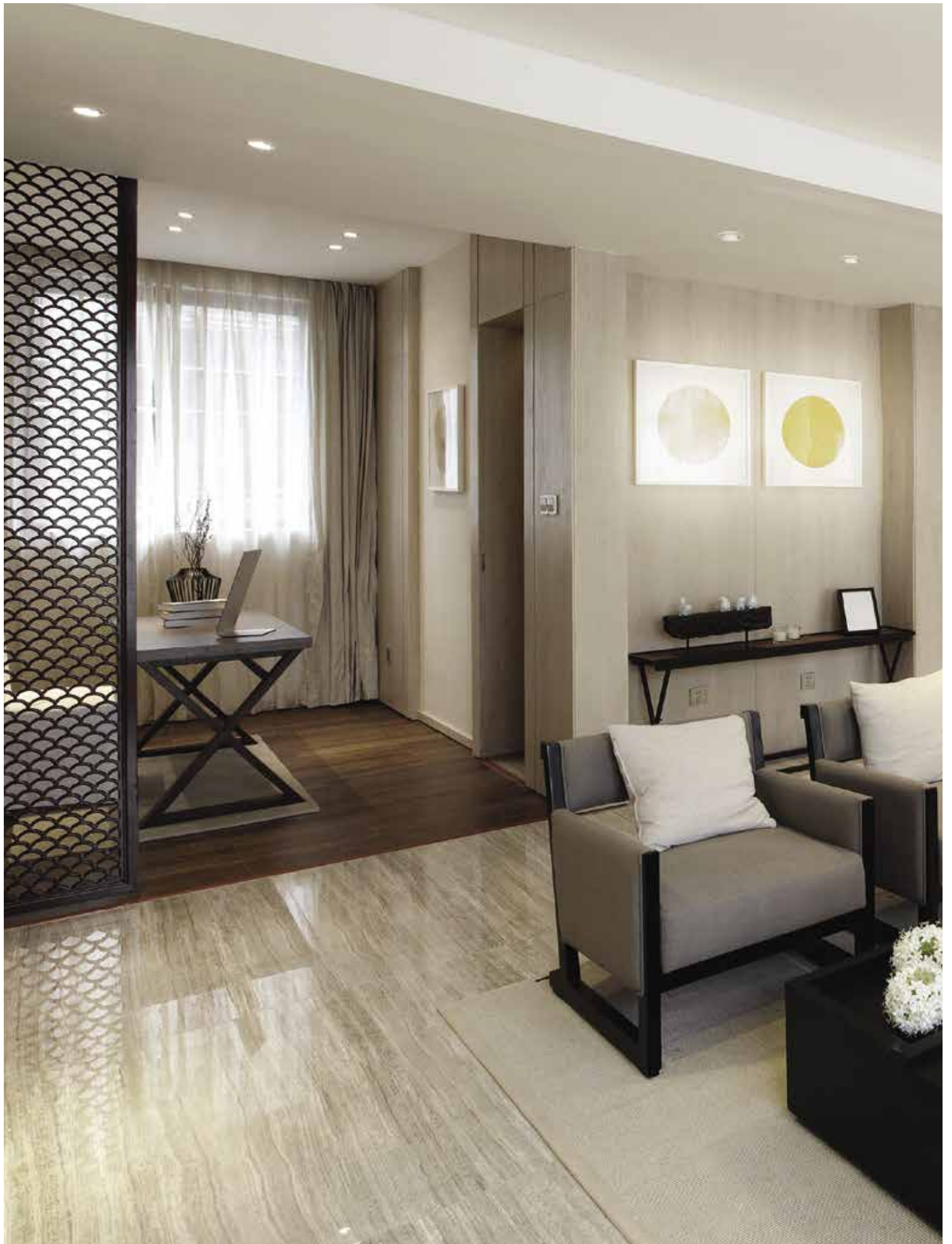


**Candela Table**

Vertical Angles	Candela
0	1656
5	1641
15	1373
25	914
35	309
45	106

**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	949	65.7
0-40	1163	80.6
0-60	1304	90.4
0-90	1417	98.2
90-180	27	1.8
0-180	1443	100





*lolite Series also available in  
4" Retrofit see page 120*



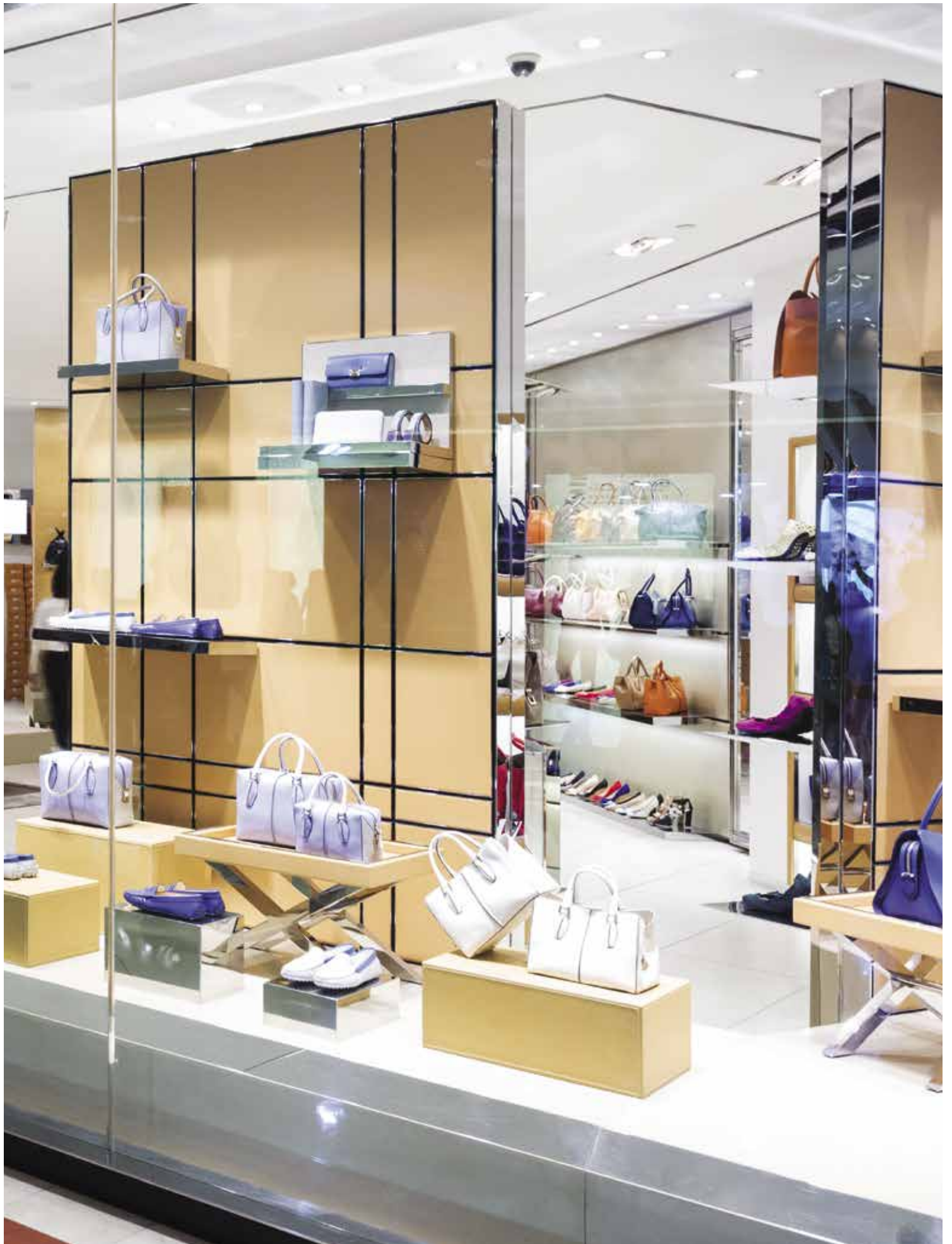
One LED module.  
More than 100  
design possibilities.  
Patent-pending housing.

# LED lolite Series

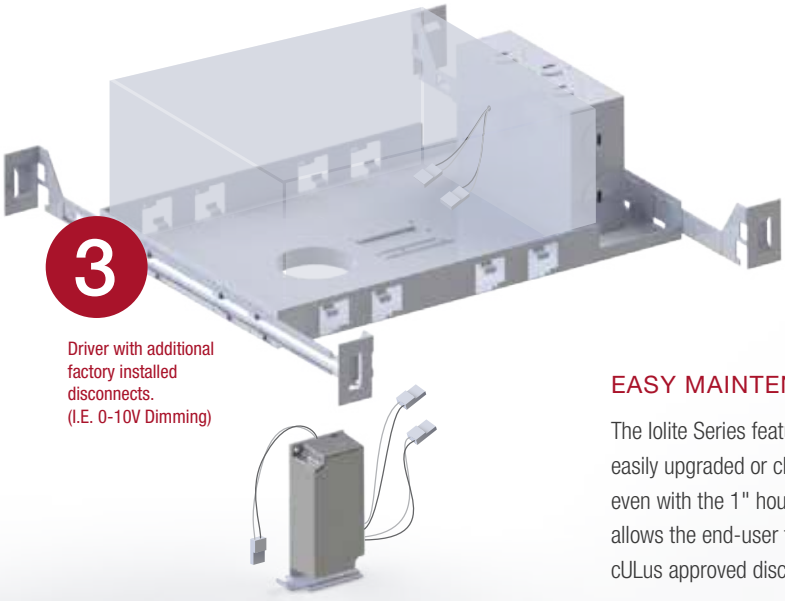
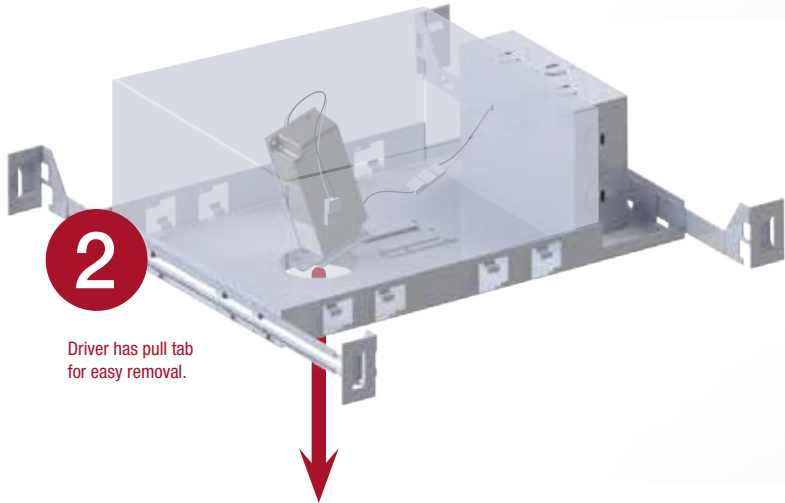
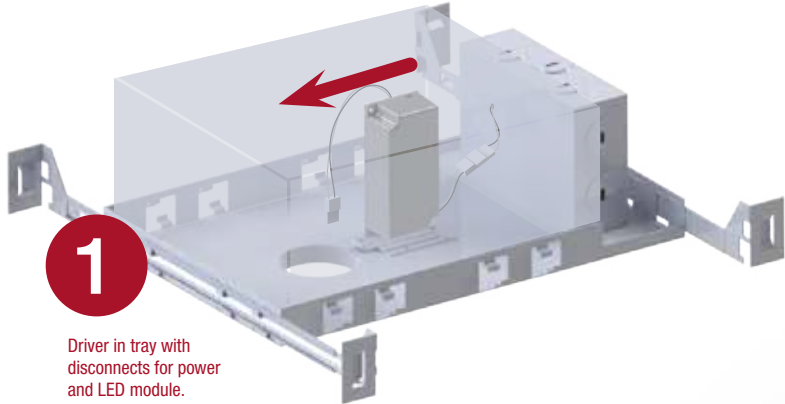
1", 2" & 4" APERTURE  
MODULAR LED DOWNLIGHT

**lolite Series of 1", 2" and 4" dedicated and retrofit modular LED adjustable downlights** come in square and round designs. The die-cast aluminum trims feature sharp, clean edges and can be aimed down for general lighting or adjusted to highlight or wall wash a focal point. The lolite modular system allows users to field-change the beam spread without the use of tools. The 11W 1-inch and 14W 2- and 4-inch lolite LED module produces 600 to 1000 lumens and 90+ CRI in various kelvin temperatures. The lolite family and comes in IC new construction, remodel and 4" retrofit.





# PATENT-PENDING, IC AIR-TIGHT HOUSING WITH DRIVER ACCESSIBILITY DESIGN



## EASY MAINTENANCE

The Iolite Series features a patent-pending housing that allows the driver to be easily upgraded or changed without the use of tools or tearing up the ceiling - even with the 1" housing. The patent-pending slide tray with easy grip bracket allows the end-user to slide out the driver and disconnect the power with simple cULus approved disconnects.

# IOLITE SERIES COMMERCIAL AND RESIDENTIAL

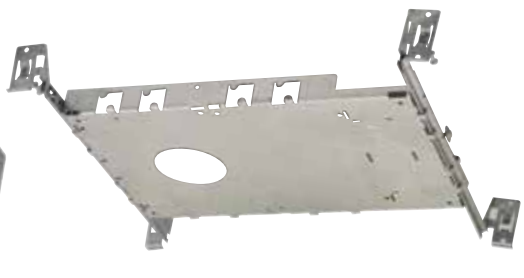
## 1" HOUSINGS 600LM



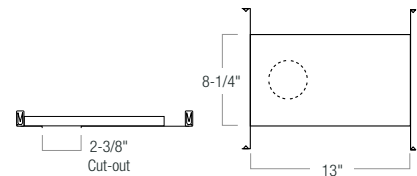
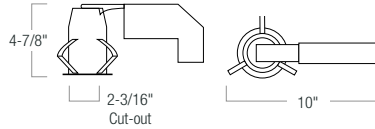
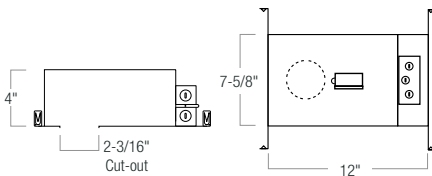
**NHIOICD-16**  
1" Iolite New Construction Housing



**NHRIOIC-16**  
1" Iolite Remodel Housing



**NHIOFK-1**  
1" Iolite Frame-In for Remodel Housing  
Allows access to junction box from below the ceiling.



### 1" IOLITE HOUSING

HOUSING TYPE / WATTAGE	DRIVER / DIMMING	EMERGENCY
<b>NHIOICD-16</b> 1" IC Air-Tight New Construction, 600lm / 11W	<b>LE3</b> 120V input; Triac / ELV Dimming <b>LE4</b> 120-277V input; Triac / ELV / 0-10V Dimming	<b>EM</b> Wire for emergency battery (order separately)
<b>NHRIOIC-16</b> 1" IC Air-Tight Remodel, 600lm / 11W	<b>LE4</b> 120-277V input; Triac / ELV / 0-10V Dimming	

**NHIOFK-1** New Construction Frame-In for 1" Iolite Remodel Housing - Allows access to junction box from below the ceiling.

Example: **NHIOICD-16LE3** - 1" New Construction Housing, 600lm / 11W, 120V input; Triac/ELV dimming

Iolite 1" dedicated LED downlights are available in square and round trims. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. 20°, 40° and 60° reflectors are included with each module. The 11W Iolite LED module produces 600 lumens at 90+ CRI in various kelvin temperatures.

#### ELECTRICAL:

**Voltage:** 120V or 120-277V

**Lumens / Wattage:** 600lm / 11W

**Color Rendering Index:** 90+ CRI

**Color Temperature:** 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

**LED:** Cree® COB (2700K-5000K), premium non-Cree COB (Comfort Dim)

**Dimming:** Triac, ELV or 0-10V

#### COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve.

#### CONSTRUCTION:

**New Construction Housing:** Shallow aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection. Access above ceiling is required.

**Remodel Housing:** Steel housing connects to pivoting arm with junction box and driver compartment. IC rated for direct contact with thermal insulation. New construction flat frame available to allow access to junction box from below the ceiling.

**Trim/Module:** Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

**EMERGENCY:** New construction housing is wired with connections for emergency battery installation. Requires top access. NEPK-BSL17C-C2U - battery with remote test switch.

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation. **Remodel:** Three high-tension tempered steel springs secure remodel housing to ceiling.

#### LISTING & WARRANTY:

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





# COMMERCIAL AND RESIDENTIAL IOLITE SERIES

## 600LM 1" BWF REFLECTORS

NEW CONSTRUCTION OR REMODEL HOUSING REQUIRED



**NIOB-1RNB**  
1" Round Bullnose Regress  
Non-Adjustable  
BB, BZ, MPW, NN, WW



**NIOB-1SNB**  
1" Square Bullnose Regress  
Non-Adjustable  
BZ, MPW, NN, WW



**NIOB-1RNG**  
1" Round Straight Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



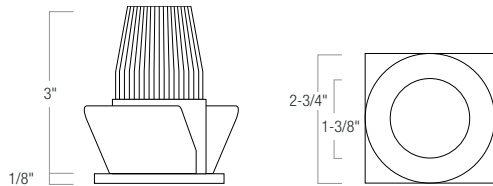
**NIOB-1SNG**  
1" Square Straight Regress  
Non-Adjustable  
BW, BZ, HW, MPW, NN, WW



**NIOB-1RPH**  
1" Round Pinhole  
Non-Adjustable  
BB, BMPW, HZMPW, MPW



**NIOB-1RSL**  
1" Round Slot Aperture  
30° Adjustable - New Const.  
15° Adjustable - Remodel  
BB, BMPW, HZMPW, MPW



The 1" Iolite BWF series trims can be specified for use with 1" Iolite new construction or remodel housings. The 1" BWF trims feature a slightly larger flange design than the 1" NTF Series.

### 1" IOLITE BWF REFLECTORS REQUIRES NHIOICD-16 OR NHRIOIC-16 HOUSING

SERIES / SHAPE	REFLECTOR TYPE	COLOR TEMP	FINISH	LUMENS / WATTAGE
<b>NIOB-1R</b> 1" Round BWF <b>NIOB-1S</b> 1" Square BWF	<b>NB</b> Bullnose Regress <b>NG</b> Straight Regress <b>PH</b> Non-Adj. Pinhole <i>(round trim only)</i> <b>SL</b> Adj. Slot Aperture <i>(round trim only)</i>	<b>27X</b> 2700K <b>30X</b> 3000K <b>35X</b> 3500K <b>40X</b> 4000K <b>50X</b> 5000K <b>CDX</b> Comfort Dim*	<b>BB</b> Black / Black <b>BMPW</b> Black / Matte Powder White <b>BW</b> Black / White <b>BZ</b> Bronze / Bronze <b>HW</b> Haze / White <b>HZMPW</b> Haze / Matte Powder White <b>MPW</b> Matte Powder White <b>NN</b> Natural Metal <b>WW</b> White / White <i>Not all finishes available on all trims.</i>	(blank) 600lm / 11W

\* Comfort Dim uses premium non-Cree COB. 1" Iolite uses a different dimming curve than 2" and 4" Comfort Dim.

Example: **NIOB-1RNB27XBZ** - 1" Round BWF Bullnose Reflector, 2700K, Bronze Reflector / Bronze Flange

### ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 122 for full details.



Ceiling Extension Collar



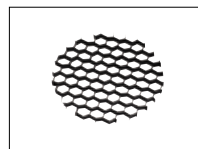
Frosted Filter-Reflector



Translucent Deco Collar



Opaque Collar Snoot



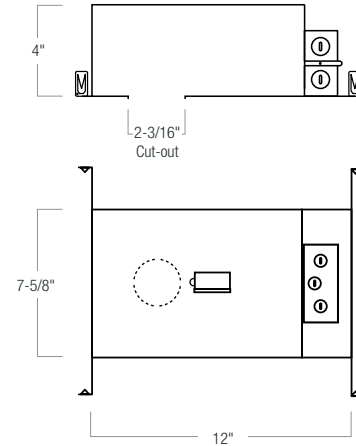
Hex Cell Louver



Flush Mount Mud Ring

# IOLITE SERIES COMMERCIAL AND RESIDENTIAL

## 1" HOUSINGS 600LM



### 1" IOLITE HOUSING REQUIRES NIO-1 OR NIOB-1 REFLECTOR

HOUSING TYPE / WATTAGE	DRIVER / DIMMING	EMERGENCY
<b>NHIOICD-16</b> 1" IC Air-Tight New Construction Housing, 600lm / 11W	<b>LE3</b> 120V input; Triac / ELV Dimming <b>LE4</b> 120-277V input; Triac / ELV / 0-10V Dimming	<b>EM</b> Wire for emergency battery (order separately)

Example: **NHIOICD-16LE3** - 1" New Construction Housing, 600lm / 11W, 120V input; Triac/ELV dimming

Iolite 1" dedicated LED downlights are available in square and round trims. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. 20°, 40° and 60° reflectors are included with each module. The 11W Iolite LED module produces 600 lumens at 90+ CRI in various kelvin temperatures.

#### ELECTRICAL:

**Voltage:** 120V or 120-277V

**Lumens / Wattage:** 600lm / 11W

**Color Rendering Index:** 90+ CRI

**Color Temperature:** 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

**LED:** Cree® COB (2700K-5000K), premium non-Cree COB (Comfort Dim)

**Dimming:** Triac, ELV or 0-10V

#### COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve.

#### CONSTRUCTION:

**Housing:** Shallow aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection. Access above ceiling is required.

**Trim/Module:** Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

**EMERGENCY:** New construction housing is wired with connections for emergency battery installation. Requires top access. NEPK-BSL17C-C2U - battery with remote test switch.

#### INSTALLATION:

Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

#### LISTING & WARRANTY:

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



COMMERCIAL AND RESIDENTIAL **IOLITE SERIES**  
**600LM 1" NTF REFLECTORS**  
**NEW CONSTRUCTION HOUSING REQUIRED**



**NIO-1RNB**  
 1" Round Bullnose Regress  
 Non-Adjustable  
 BB, BZ, MPW, NN, WW



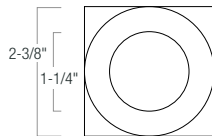
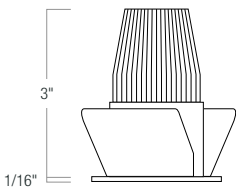
**NIO-1SNB**  
 1" Square Bullnose Regress  
 Non-Adjustable  
 BZ, MPW, NN, WW



**NIO-1RNG**  
 1" Round Straight Regress  
 Non-Adjustable  
 BW, BZ, HW, MPW, NN, WW



**NIO-1SNG**  
 1" Square Straight Regress  
 Non-Adjustable  
 BW, BZ, HW, MPW, NN, WW



1" NTF Iolite trims feature an extremely low profile that blends seamlessly with the ceiling. **1" NTF Iolite trims are compatible only with new construction housings.**

**1" IOLITE NTF REFLECTORS** NON-ADJUSTABLE · REQUIRES NHIOICD-16 HOUSING

SERIES / SHAPE	REFLECTOR TYPE	COLOR TEMP	FINISH	LUMENS / WATTAGE
<b>NIO-1R</b> 1" Round NTF	<b>NB</b> Bullnose Regress	<b>27X</b> 2700K	<b>BB</b> Black / Black	(blank) 600lm / 11W
<b>NIO-1S</b> 1" Square NTF	<b>NG</b> Straight Regress	<b>30X</b> 3000K	<b>BW</b> Black / White	
		<b>35X</b> 3500K	<b>BZ</b> Bronze / Bronze	
		<b>40X</b> 4000K	<b>HW</b> Haze / White	
		<b>50X</b> 5000K	<b>MPW</b> Matte Powder White	
		<b>CDX</b> Comfort Dim*	<b>NN</b> Natural Metal	
			<b>WW</b> White / White	

\* Comfort Dim uses premium non-Cree COB. 1" Iolite uses a different dimming curve than 2" and 4" Comfort Dim.  
 Not all finishes available on all trims.

Example: **NIO-1RNB27XBZ** - 1" Round NTF Bullnose Reflector, 2700K, Bronze Reflector / Bronze Flange

**ACCESSORIES**

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 122 for full details.



Ceiling Extension Collar



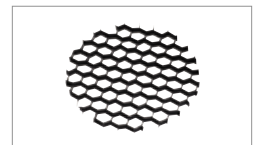
Frosted Filter-Reflector



Translucent Deco Collar



Opaque Collar Snoot



Hex Cell Louver

# IOLITE SERIES COMMERCIAL AND RESIDENTIAL

## 2" HOUSINGS 800LM OR 1000LM



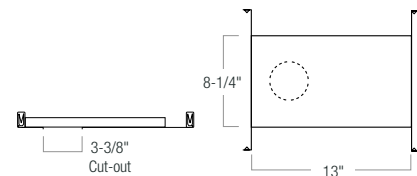
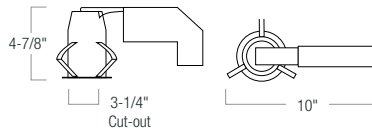
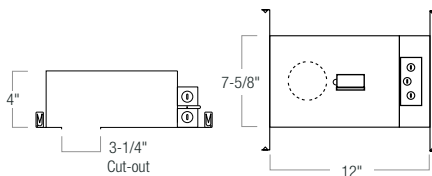
**NHIOICD-28**  
2" Iolite New Construction Housing



**NHRIOIC-28**  
2" Iolite Remodel Housing



**NHIOFK-2**  
2" Iolite Frame-In for Remodel Housing  
*Allows access to junction box from below the ceiling.*



### 2" IOLITE HOUSING

HOUSING TYPE / WATTAGE	DRIVER / DIMMING	EMERGENCY
<b>NHIOICD-28</b> 2" IC Air-Tight New Construction, 800-1000lm / 14W	<b>LE3</b> 120V input; Triac / ELV Dimming <b>LE4</b> 120-277V input; Triac / ELV / 0-10V Dimming	<b>EM</b> Wire for emergency battery (order separately)
<b>NHRIOIC-28</b> 2" IC Air-Tight Remodel, 800lm / 14W	<b>LE4</b> 120-277V input; Triac / ELV / 0-10V Dimming	

**NHIOFK-2** New Construction Frame-In for 2" Iolite Remodel Housing - Allows access to junction box from below the ceiling.

*Example: NHIOICD-28LE3 - 2" New Construction Housing, 800-1000lm / 14W, 120V input; Triac/ELV dimming*

Iolite 2" dedicated LED adjustable and non-adjustable downlights are available in square and round designs. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. Each module includes 25°, 38° and an installed 60° reflector. A 15° reflector is also available. The 14W Iolite LED module produces 800 to 1000 lumens at 90+ CRI in various kelvin temperatures.

#### ELECTRICAL:

**Voltage:** 120V or 120-277V

**Lumens / Wattage:** 800 or 1000lm / 14W

**Color Rendering Index:** 90+ CRI

**Color Temperature:** 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

**LED:** Cree® COB (2700K-5000K), premium non-Cree COB (Comfort Dim)

**Dimming:** Triac, ELV or 0-10V

#### COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve.

#### CONSTRUCTION:

**New Construction Housing:** Shallow aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection. Access above ceiling is required.

**Remodel Housing:** Steel housing connects to pivoting arm with junction box and driver compartment. IC rated for direct contact with thermal insulation. New construction flat frame available to allow access to junction box from below the ceiling.

**Trim/Module:** Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

**EMERGENCY:** New construction housing is wired with connections for emergency battery installation. Requires top access. NEPK-BSL17C-C2U - battery with remote test switch.

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

**Remodel:** Three high-tension tempered steel springs secure remodel housing to ceiling.

#### LISTING & WARRANTY:

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





# COMMERCIAL AND RESIDENTIAL IOLITE SERIES

## 800LM OR 1000LM 2" REFLECTORS

NEW CONSTRUCTION OR REMODEL HOUSING REQUIRED



**NIOB-2RC**  
2" Round Cone Regress  
30° Adj. - New Const.  
15° Adjustable - Remodel  
BB, BW, BZ, HW, MPW,  
NN, WW



**NIOB-2SC**  
2" Square Cone Regress  
15° Adjustable  
BB, BW, BZ, HW, MPW,  
NN, WW



**NIOB-2RG**  
2" Round Surface Gimbal  
30° Adj. - New Const.  
15° Adjustable - Remodel  
BB, BZ, MPW, NN, WW



**NIOB-2SG**  
2" Square Surface Gimbal  
15° Adjustable  
BB, BZ, MPW, NN, WW



**NIOB-2RNB**  
2" Round Bullnose Regress  
Non-Adjustable  
BB, BZ, MPW, NN, WW



**NIOB-2SNB**  
2" Square Bullnose Regress  
Non-Adjustable  
BB, BZ, MPW, NN, WW



**NIOB-2RND**  
2" Round Deep Cone  
Regress  
Non-Adjustable  
BB, BW, BZ, HW, MPW,  
NN, WW



**NIOB-2SND**  
2" Square Deep Cone  
Regress  
Non-Adjustable  
BB, BW, BZ, HW, MPW,  
NN, WW



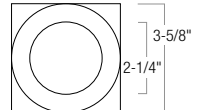
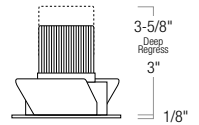
**NIOB-2SND**  
2" Square Deep Cone,  
Square Regress  
Non-Adjustable  
BB, BW, BZ, HW, MPW,  
NN, WW



**NIOB-2RPH**  
2" Round Pinhole  
Non-Adjustable  
BB, BMPW, HZMPW, MPW



**NIOB-2RSL**  
2" Round Slot Aperture  
30° Adj. - New Const.  
15° Adjustable - Remodel  
BB, BMPW, HZMPW, MPW



### 2" IOLITE REFLECTORS REQUIRES NHIOICD-28 OR NHRIOIC-28 HOUSING

SERIES / SHAPE	REFLECTOR TYPE	COLOR TEMP	FINISH	LUMENS / WATTAGE
<b>NIOB-2R</b> 2" Round <b>NIOB-2S</b> 2" Square	<b>C</b> Adj. Cone Regress <b>G</b> Adj. Surface Gimbal <b>NB</b> Non-Adj. Bullnose <b>NDC</b> Non-Adj. Deep Cone Regress <b>NDSQ</b> Square Non-Adj. Deep Cone Regress (square trim only) <b>PH</b> Non-Adj. Pinhole (round trim only) <b>SL</b> Adj. Slot Aperture (round trim only)	<b>27X</b> 2700K <b>30X</b> 3000K <b>35X</b> 3500K <b>40X</b> 4000K <b>50X</b> 5000K <b>CDX</b> Comfort Dim*	<b>BB</b> Black / Black <b>BMPW</b> Black / Matte Powder White <b>BW</b> Black / White <b>BZ</b> Bronze / Bronze <b>HN</b> Haze / Natural Metal <b>HW</b> Haze / White <b>HZMPW</b> Haze / Matte Powder White <b>MPW</b> Matte Powder White <b>NN</b> Natural Metal <b>WW</b> White / White  <i>Not all finishes available on all trims.</i>	(blank) 800lm / 14W <b>/10</b> 1000lm / 14W  <i>1000lm not available with Comfort Dim</i>

\* Comfort Dim uses premium non-Cree COB. 1" Iolite uses a different dimming curve than 2" and 4" Comfort Dim.

Example: **NIOB-2RG27XBZ** - 2" Round Surface Gimbal Reflector, 2700K, Bronze Reflector / Bronze Flange, 800lm /14W

### ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 122 for full details.



Ceiling Extension Collar



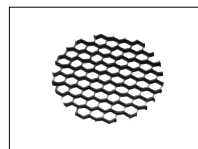
Frosted Filter-Reflector



Translucent Deco Collar



Opaque Collar Snoot



Hex Cell Louver



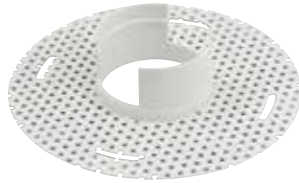
Flush Mount Mud Ring

# IOLITE SERIES COMMERCIAL AND RESIDENTIAL

## 2" TRIMLESS REFLECTORS 800LM OR 1000LM

### 2" IOLITE NEW CONSTRUCTION HOUSING REQUIRED

Iolite Trimless has no exposed trim flange and does not extend below the ceiling plane. This clean and sophisticated look is accomplished by mudding the trimless mud ring to the ceiling, then snapping the flangeless reflector into the ring. Iolite Trimless is available in 2" and 4" apertures.



**NIO-TLMR-2R**  
2" Round Trimless Mud Ring



**NIO-2RTLTA**  
2" Round Trimless Adjustable  
15° Adjustable  
BB, BW, BZ, HW, HZ, MPW, WW



**NIO-2RTLND**  
2" Round Trimless Deep Cone  
Non-Adjustable  
BB, BZ, HZ, MPW, WW

Iolite Trimless requires three parts:

1. Iolite New Construction Housing
2. Iolite Trimless Mud Ring
3. Iolite Trimless Reflector



#### 1. IOLITE NEW CONSTRUCTION HOUSING

REQUIRES MUD RING AND TRIMLESS REFLECTOR

HOUSING TYPE / WATTAGE	DRIVER / DIMMING	EMERGENCY
<b>NHIOICD-28</b> 2" ICAT New Construction, 800-1000lm / 14W	<b>LE3</b> 120V input; Triac / ELV <b>LE4</b> 120-277V input; Triac / ELV / 0-10V	<b>EM</b> Wire for emergency battery (order separately)

Example: **NHIOICD-28LE3** - 2" New Construction Housing, 800-1000lm, 120V input

#### 2. IOLITE TRIMLESS MUD RING

REQUIRES HOUSING AND TRIMLESS REFLECTOR

SERIES / APERTURE	SHAPE
<b>NIO-TLMR-2</b> 2" Trimless Mud Ring	<b>R</b> Round

Example: **NIO-TLMR-2R** – Trimless Mud Ring for 2" Trimless Reflector

#### 3. IOLITE MODULAR TRIMLESS REFLECTORS

REQUIRES HOUSING AND TRIMLESS MUD RING

SERIES / APERTURE / TYPE	COLOR TEMP	FINISH	LUMENS / WATTAGE
<b>NIO-2RTLTA</b> 2" Round Trimless Adjustable	<b>27X</b> 2700K	<b>BB</b> Black	(blank) 800lm / 14W
<b>NIO-2RTLND</b> 2" Round Trimless Non-Adj Deep Cone	<b>30X</b> 3000K	<b>BW</b> Black / White	<b>/10</b> 1000lm / 14W
	<b>35X</b> 3500K	<b>BZ</b> Bronze	1000lm not available with Comfort Dim
	<b>40X</b> 4000K	<b>HW</b> Haze / White	
	<b>50X</b> 5000K	<b>HZ</b> Haze	
	<b>CDX</b> Comfort Dim*	<b>MPW</b> Matte Powder White	
		<b>WW</b> White	

\* Comfort Dim uses premium non-Cree COB. 1" Iolite uses a different dimming curve than 2" and 4" Comfort Dim.

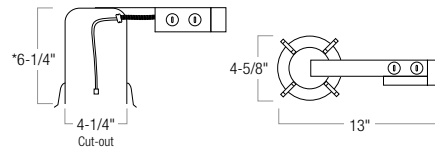
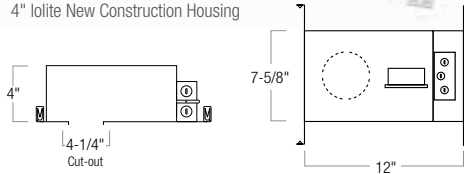
Not all finishes available on all trims.

Example: **NIO-2RTLND30XMPW** - 2" Round Trimless Deep Cone Reflector, 3000K, Matte Powder White, 800lm / 14W



# IOLITE SERIES COMMERCIAL AND RESIDENTIAL

## 4" HOUSINGS 800LM OR 1000LM



### 4" IOLITE HOUSING

HOUSING TYPE / WATTAGE	DRIVER / DIMMING	EMERGENCY
<b>NHIOICD-48</b> 4" IC Air-Tight New Construction, 800-1000lm / 14W	<b>LE3</b> 120V input; Triac / ELV Dimming	<b>EM</b> Wire for emergency battery (order separately)
<b>NHRIOIC-48</b> 4" IC Air-Tight Remodel, 800lm / 14W	<b>LE4</b> 120-277V input; Triac / ELV / 0-10V Dimming	

Example: **NHIOICD-48LE3** - 4" New Construction Housing, 800-1000lm / 14W, 120V input; Triac/ELV dimming

Iolite 4" dedicated LED adjustable and non-adjustable downlights are available in square and round designs. The Iolite modular system allows users to field change both the trim and beam spread without the use of tools. Each module includes 25°, 38° and an installed 60° reflector. A 15° reflector is also available. The 14W Iolite LED module produces 800 to 1000 lumens at 90+ CRI in various kelvin temperatures.

#### ELECTRICAL:

**Voltage:** 120V or 120-277V

**Lumens / Wattage:** 800 or 1000lm / 14W

**Color Rendering Index:** 90+ CRI

**Color Temperature:** 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

**LED:** Cree® COB (2700K-5000K), premium non-Cree COB (Comfort Dim)

**Dimming:** Triac, ELV or 0-10V

#### COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve.

#### CONSTRUCTION:

**New Construction Housing:** Shallow aluminum Air-Tight housing meets air-tight requirements. IC rated for direct contact with thermal insulation. Features patent-pending design with driver mounted to slide out tray. Disconnects are furnished for the line voltage connection as well as the module connection.

**Remodel Housing:** Aluminum housing connects to arm with junction box and driver compartment. IC rated for direct contact with thermal insulation.

**Trim/Module:** Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

**EMERGENCY:** New construction housing is wired with connections for emergency battery installation. Requires top access. NEPK-BSL17C-C2U - battery with remote test switch.

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable from 13-3/4" to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installation.

**Remodel:** Three high-tension tempered steel springs secure remodel housing to ceiling.

#### LISTING & WARRANTY:

- cULus Listed for Wet Location (NIO-4RD and NIO-4SD are rated for damp location)
- ENERGY STAR certified
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ROHS compliant
- 5 Year Limited Warranty



### ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim. See page 122 for full details.



Ceiling Extension Collar



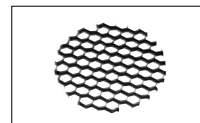
Frosted Filter-Reflector



Translucent Deco Collar



Opaque Collar Snoot



Hex Cell Louver



Flush Mount Mud Ring



# COMMERCIAL AND RESIDENTIAL IOLITE SERIES

## 800LM OR 1000LM 4" REFLECTORS

NEW CONSTRUCTION OR REMODEL HOUSING REQUIRED



**NIO-4RC**  
4" Round Cone Regress  
45° Adj. - New Const.  
40° Adj. - Remodel  
BB, BW, BZ, HW, MPW, NN, WW



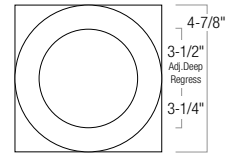
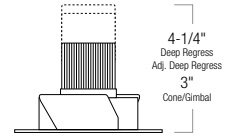
**NIO-4SC**  
4" Square Cone Regress  
35° Adjustable  
BB, BW, BZ, HW, MPW, NN, WW



**NIO-4RG**  
4" Round Surface Gimbal  
45° Adj. - New Const.  
40° Adj. - Remodel  
BB, BW, MPW, NN, WW



**NIO-4SG**  
4" Square Surface Gimbal  
35° Adjustable  
BB, BW, MPW, NN, WW



**NIO-4RNB**  
4" Round Bullnose Regress  
Non-Adjustable  
BB, BZ, MPW, NN, WW



**NIO-4SNB**  
4" Square Bullnose Regress  
Non-Adjustable  
BZ, MPW, NN, WW



**NIO-4RPH**  
4" Round Pinhole  
Non-Adjustable  
BB, BMPW, HZMPW, MPW



**NIO-4RSL**  
4" Round Slot Aperture  
30° Adjustable - New Const.  
15° Adjustable - Remodel  
BB, BMPW, HZMPW, MPW



**NIO-4RD**  
4" Round Deep Adjustable  
Regress  
45° Adjustable - New Const.  
40° Adj. - Remodel  
BB, BW, BZ, HW, MPW, NN, WW



**NIO-4SD**  
4" Square Deep Adjustable  
Regress  
35° Adjustable  
BB, BW, BZ, HW, MPW, NN, WW



**NIO-4RND**  
4" Round Deep Cone Regress  
Non-Adjustable  
BB, BW, BZ, HW, MPW, NN, WW



**NIO-4SND**  
4" Square Deep Cone Regress  
Non-Adjustable  
BB, BW, BZ, HW, MPW, NN, WW



**NIO-4SND SQ**  
4" Square Deep Cone, Square  
Regress  
Non-Adjustable  
BB, BW, BZ, HN, HW, MPW, WW

### 4" IOLITE REFLECTORS REQUIRES NHIOICD-48 OR NHRIOIC-48 HOUSING

SERIES / SHAPE	REFLECTOR TYPE	COLOR TEMP	FINISH	LUMENS / WATTAGE
<b>NIO-4R</b> 4" Round <b>NIO-4S</b> 4" Square	<b>C</b> Adj. Cone Regress <b>D</b> Adj. Deep Regress <b>G</b> Adj. Surface Gimbal <b>NB</b> Non-Adj. Bullnose <b>NDC</b> Non-Adj. Deep Cone Regress <b>NDSQ</b> Square Non-Adj. Deep Cone Regress (square trim only) <b>PH</b> Non-Adj. Pinhole (round trim only) <b>SL</b> Adj. Slot Aperture (round trim only)	<b>27X</b> 2700K <b>30X</b> 3000K <b>35X</b> 3500K <b>40X</b> 4000K <b>50X</b> 5000K <b>CDX</b> Comfort Dim*	<b>BB</b> Black / Black <b>BMPW</b> Black / Matte Powder White <b>BW</b> Black / White <b>BZ</b> Bronze / Bronze <b>HN</b> Haze / Natural Metal <b>HW</b> Haze / White <b>HZMPW</b> Haze / Matte Powder White <b>MPW</b> Matte Powder White <b>NN</b> Natural Metal <b>WW</b> White / White	(blank) 800lm / 14W <b>/10</b> 1000lm / 14W <small>1000lm not available with Comfort Dim</small>
<p>* Comfort Dim uses premium non-Cree COB. 1" Iolite uses a different dimming curve than 2" and 4" Comfort Dim. Not all finishes available on all trims.</p>				

Example: **NIO-4SG30XNN** - 4" Square Regressed Surface Gimbal, 3000K, Natural Metal Gimbal / Natural Metal Flange, 800lm

# IOLITE SERIES COMMERCIAL AND RESIDENTIAL

## 4" TRIMLESS REFLECTORS 800LM TO 1000LM

### 4" IOLITE NEW CONSTRUCTION HOUSING REQUIRED

Iolite Trimless has no exposed trim flange and does not extend below the ceiling plane. This clean and sophisticated look is accomplished by mudding the trimless mud ring to the ceiling, then snapping the flangeless reflectors into the ring. Iolite Trimless is available in 2" and 4" apertures.



**NIO-TLMR-4R** Round  
**NIO-TLMR-4S** Square  
4" Trimless Mud Ring



**NIO-4RTLA**  
4" Round Trimless  
Adjustable  
35° Adjustable  
BB, BW, BZ, HW, HZ, MPW,  
WW



**NIO-4RTLND**  
4" Round Trimless  
Deep Cone  
Non-Adjustable  
BB, BW, BZ, MPW, WW



**NIO-4STLND**  
4" Square Trimless  
Deep Cone  
Non-Adjustable  
BB, BZ, HZ, MPW, WW

Iolite Trimless requires three parts:

1. Iolite New Construction Housing
2. Iolite Trimless Mud Ring
3. Iolite Trimless Reflector



### 1. IOLITE NEW CONSTRUCTION HOUSING

REQUIRES MUD RING AND TRIMLESS REFLECTOR

HOUSING TYPE / WATTAGE	DRIVER / DIMMING	EMERGENCY
<b>NHIOICD-48</b> 4" ICAT New Construction, 800-1000lm / 14W	<b>LE3</b> 120V input; Triac / ELV <b>LE4</b> 120-277V input; Triac / ELV / 0-10V	<b>EM</b> Wire for emergency battery (order separately)

Example: **NHIOICD-48LE3** - 4" New Construction Housing, 800-1000lm, 120V input

### 2. IOLITE TRIMLESS MUD RING

REQUIRES HOUSING AND TRIMLESS REFLECTOR

SERIES / APERTURE	SHAPE
<b>NIO-TLMR-4</b> 4" Trimless Mud Ring	<b>R</b> Round <b>S</b> Square

Example: **NIO-TLMR-4R** – Trimless Mud Ring for 4" Round Trimless Reflector

### 3. IOLITE MODULAR TRIMLESS REFLECTORS

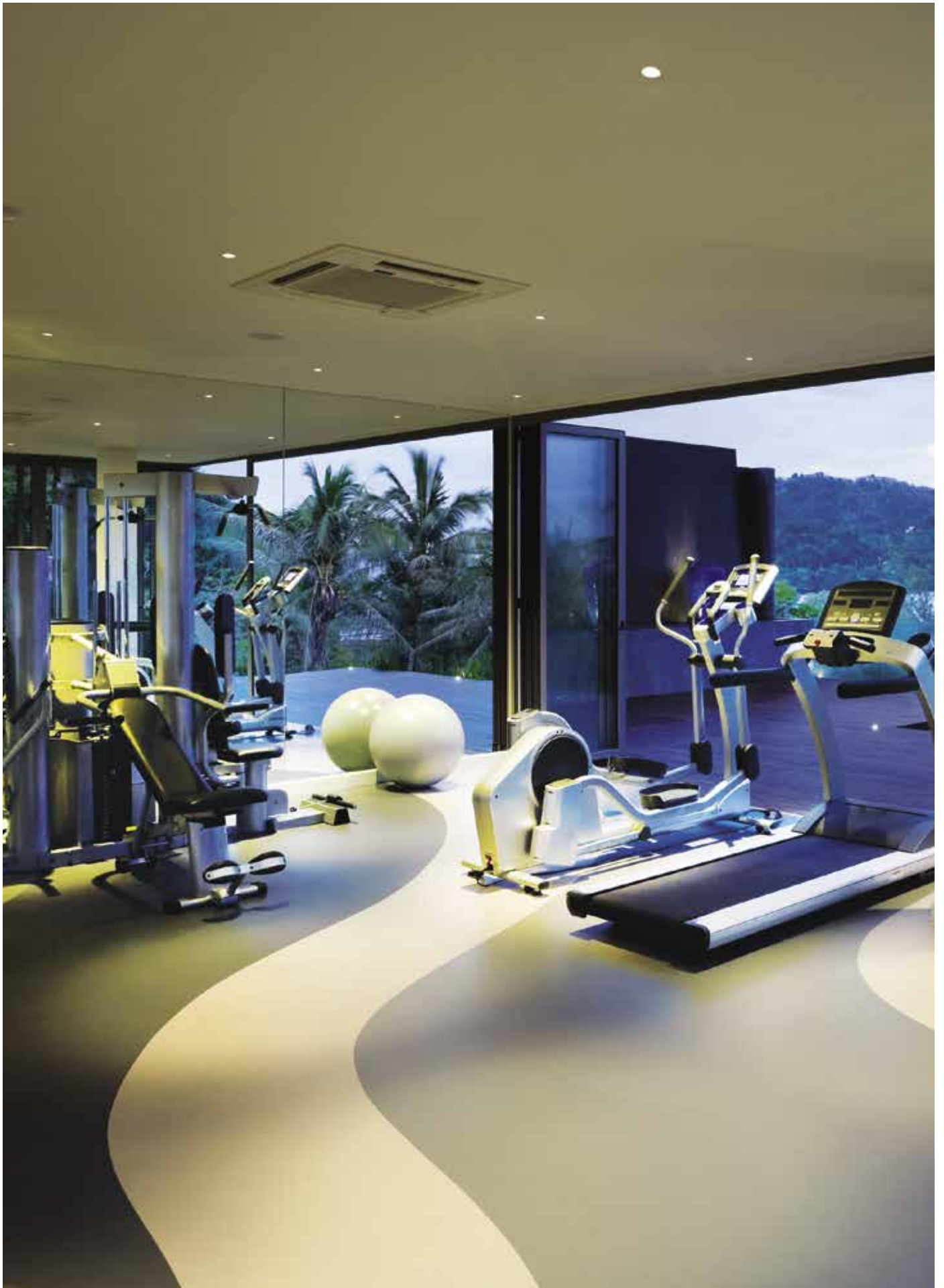
REQUIRES HOUSING AND TRIMLESS MUD RING

SERIES / APERTURE / TYPE	COLOR TEMP	FINISH	LUMENS / WATTAGE
<b>NIO-4RTLA</b> 4" Round Trimless Adjustable	<b>27X</b> 2700K	<b>BB</b> Black	(blank) 800lm / 14W
<b>NIO-4RTLND</b> 4" Round Trimless Non-Adj Deep Cone	<b>30X</b> 3000K	<b>BW</b> Black / White	<b>/10</b> 1000lm / 14W
<b>NIO-4STLND</b> 4" Square Trimless Non-Adj Deep Cone	<b>35X</b> 3500K	<b>BZ</b> Bronze	1000lm not available with Comfort Dim
	<b>40X</b> 4000K	<b>HW</b> Haze / White	
	<b>50X</b> 5000K	<b>HZ</b> Haze	
	<b>CDX</b> Comfort Dim*	<b>MPW</b> Matte Powder White	
		<b>WW</b> White	

\* Comfort Dim uses premium non-Cree COB. 1" Iolite uses a different dimming curve than 2" and 4" Comfort Dim.

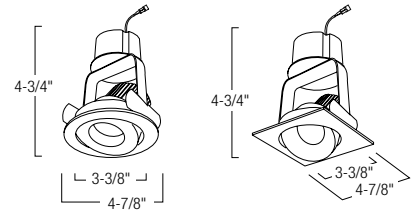
Not all finishes available on all trims.

Example: **NIO-4RTLND30XMPW** - 4" Round Trimless Deep Cone, 3000K, Matte Powder White Reflector.



# IOLITE SERIES LED RETROFIT AND DEDICATED

## 4" RETROFIT 800LM



### NIR-4RC

4" Round Cone Regress  
BB, BW, BZ, HW, MPW,  
NN, WW

### NIR-4SC

4" Square Cone Regress  
BB, BW, BZ, HW, MPW,  
NN, WW

### NIR-4RG

4" Round Surface Gimbal  
BB, BZ, MPW, NN, WW

### NIR-4SG

4" Square Surface Gimbal  
BB, BZ, MPW, NN, WW

### NIR-4RNB

4" Round Bullnose Regress  
BB, BZ, MPW, NN, WW

### NIR-4SNB

4" Square Bullnose Regress  
BZ, MPW, NN, WW

## 4" IOLITE RETROFIT

SERIES / APERTURE	REFLECTOR TYPE	COLOR TEMP	FINISH	LUMENS / WATTAGE
<b>NIR-4R</b> 4" Round Retrofit	<b>C</b> Cone Regress	<b>27X</b> 2700K	<b>BB</b> Black with Black Flange	(blank) 800lm / 14W
<b>NIR-4S</b> 4" Square Retrofit	<b>G</b> Surface Gimbal	<b>30X</b> 3000K	<b>BW</b> Black with White Flange	
	<b>NB</b> Non-Adj. Bullnose	<b>35X</b> 3500K	<b>BZ</b> Bronze with Bronze Flange	
		<b>40X</b> 4000K	<b>HW</b> Haze with White Flange	
		<b>50X</b> 5000K	<b>MPW</b> Matte Powder White with White Flange	
		<b>CDX</b> Comfort Dim	<b>NN</b> Natural Metal with Nat. Metal Flange	
			<b>WW</b> White with White Flange	

\* Comfort Dim uses premium non-Cree COB. 1" Iolite uses a different dimming curve than 2" and 4" Comfort Dim.

Example: **NIR-4RC27XWW** - 4" Round Cone Regress Retrofit, 2700K, Natural Metal with Natural Metal Flange, 800lm / 14W

4" Iolite retrofit LED adjustable downlights are available in square and round designs. The modular system allows users to field change both the trim and beam spread from spot to flood without using any tools. The LED module is 14W and produces 800 lumens at 90 CRI in various kelvin temperatures.

### ELECTRICAL:

**Voltage:** 120V or 120-277V

**Lumens / Wattage:** 800lm / 14W

**Color Rendering Index:** 90+ CRI

**Color Temperature:** 2700K, 3000K, 3500K, 4000K, 5000K and Comfort Dim (3100K-2000K)

**LED:** Cree® COB (2700K-5000K), premium non-Cree COB (Comfort Dim)

**Dimming:** Triac or ELV

**COMFORT DIM:** Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 2000K on a gradual, even curve.

### CONSTRUCTION:

**Trim/Module:** Die-cast aluminum trims are threaded to mount LED module securely and dissipate heat away from light source. Three field interchangeable optics are included with each luminaire: spot, narrow flood and flood (installed).

**INSTALLATION:** Compatible with Nora housings listed and with some 4" housing by others. Check dimensions - in some cases compatibility requires removing the existing socket from housing.

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

### LISTING & WARRANTY:

- cULus Classified for Damp Location
- ENERGY STAR certified
- ROHS compliant
- 5 Year Limited Warranty

### COMPATIBLE HOUSINGS:

#### New Construction

- NHIC-4LMRAT** 4" ICAT Dedicated LED
- NFBIC-4LMRAT** 4" ICAT Dedicated LED Fire Box
- NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V
- NSIC-401QAT** 4" ICAT Line Voltage
- NFBIC-4INCAT** 4" ICAT Line Voltage Fire Box
- NS-401QAT** 4" AT Line Voltage
- NHIC-4G24AT** 4" ICAT GU24<sup>1</sup>

#### Remodel

- NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED
- NSR-404QAT** 4" Remodel AT Line Voltage
- NHRIC-4G24AT** 4" Remodel ICAT GU24<sup>1</sup>

<sup>1</sup>Requires **NRA-212SM** - GU24 adaptor

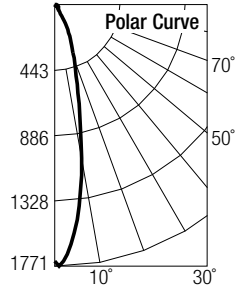




# IOLITE SERIES PHOTOMETRICS

## 1" IOLITE LED 3000K, 20°

Item Number: NIOB-1RNG3025WW  
Lumens: 556lm



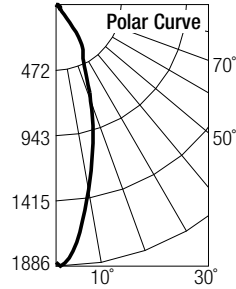
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	418	75.2
0-40	461	82.9
0-60	515	92.7
0-90	554	99.8

Candela Table	
Vertical Angles	Candela
0	1738
15	612
25	252
35	58
45	39

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	109fc	1'-8"
6'	48.3fc	2'-6"
8'	27.2fc	3'-4"
10'	17.4fc	4'-2"
12'	12.1fc	5'

## 2" IOLITE LED 3000K, 38°

Item Number: NIOB-2RC3038WW  
Lumens: 936lm



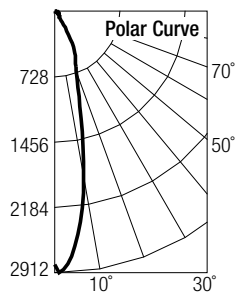
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	623	70.8
0-40	824	88.1
0-60	892	95.3
0-90	934	99.8

Candela Table	
Vertical Angles	Candela
0	1858
15	1021
25	480
35	279
45	45

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	116fc	2'-5"
6'	51.6fc	3'-7"
8'	29fc	4'-10"
10'	18.6fc	5'-11"
12'	12.9fc	7'-1"

## 4" IOLITE LED 3000K, 25°

Item Number: NIO-4RG3025WW/10  
Lumens: 1111lm



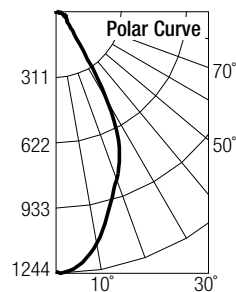
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	795	71.6
0-40	911	82
0-60	1022	92
0-90	1104	99.3

Candela Table	
Vertical Angles	Candela
0	2822
15	1111
25	550
35	150
45	76

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	176fc	1'-10"
6'	78.4fc	2'-8"
8'	44.1fc	3'-7"
10'	28.2fc	4'-6"
12'	19.6fc	5'-5"

## 4" IOLITE LED 3000K, 60°

Item Number: NIO-4RG3060WW/10  
Lumens: 1084lm



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	701	64.7
0-40	859	79.2
0-60	987	91.1
0-90	1077	99.3

Candela Table	
Vertical Angles	Candela
0	1237
15	971
25	713
35	227
45	89

Illuminance at a Distance		
Distance from Luminaire	FC at Nadir	Beam Diameter
4'	77.3fc	4'-2"
6'	34.4fc	6'-2"
8'	19.3fc	8'-4"
10'	12.4fc	10'-5"
12'	8.6fc	12'-6"

# IOLITE SERIES ACCESSORIES

Iolite accessories can be added at any point in the design process. Accessories easily install between module and die-cast trim.



### Ceiling Extension Collar

- NIO-1EXTC2** for NHI0ICD-16
- NIO-2EXTC2** for NHI0ICD-28
- NIO-4EXTC2** for NHI0ICD-48

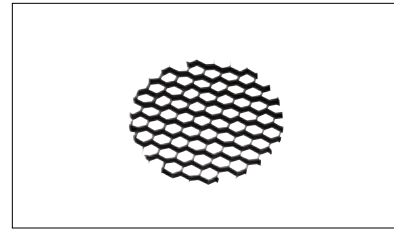
Allows new construction housings to install in ceiling thicknesses up to 2"



### Frosted Filter-Reflector Assembly

- NIO-1REFL20FR** 20° Reflector, 1" Iolite
- NIO-1REFL40FR** 40° Reflector, 1" Iolite
- NIO-1REFL60FR** 60° Reflector, 1" Iolite
- NIO-REFLTIR15** Premium 15° Reflector, 2" & 4" Iolite
- NIO-REFLTIR25** Premium 25° Reflector, 2" & 4" Iolite
- NIO-REFL15FR** 15° Reflector, 2" and 4" Iolite
- NIO-REFL25FR** 25° Reflector, 2" and 4" Iolite
- NIO-REFL38FR** 38° Reflector, 2" and 4" Iolite
- NIO-REFL60FR** 60° Reflector, 2" and 4" Iolite

Filter-Reflector assemblies include specified reflector and frosted lens. Lens can be installed in other reflectors supplied with units.



### Hex Cell Louver

- NIO-1HC** for 1" Iolite
- NIO-HC** for 2" and 4" Iolite

Hex cell louver subtly reduces aperture brightness by reducing light output by about 20%.



### Translucent Deco Collar

- NIO-1AS15(color)** 5/8" (15mm) depth, 1" Iolite
- NIO-1AS19(color)** 3/4" (19mm) depth, 1" Iolite
- NIO-1AS24(color)** 1" (24mm) depth, 1" Iolite
- NIO-AS14(color)** 5/8" (15mm) depth, 2" and 4" Iolite
- NIO-AS19(color)** 3/4" (19mm) depth, 2" and 4" Iolite
- NIO-AS26(color)** 1" (24mm) depth, 2" and 4" Iolite

**FINISH:** BLU Blue; FR Frost; AM Amber; R Red

Translucent collars color the aperture with the specified color while producing white general light. Collars are available in different lengths. Use to add interest, create a theme, match a theme or define a space.



### Opaque Collar Snoot

- NIO-1AS15(color)** 5/8" (15mm) depth, 1" Iolite
- NIO-1AS19(color)** 3/4" (19mm) depth, 1" Iolite
- NIO-1AS24(color)** 1" (24mm) depth, 1" Iolite
- NIO-AS14(color)** 5/8" (15mm) depth, 2"/4" Iolite
- NIO-AS19(color)** 3/4" (19mm) depth, 2"/4" Iolite
- NIO-AS26(color)** 1" (24mm) depth, 2"/4" Iolite

**COLOR:** BLK Black; MPW Matte Powder White; WH White

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



### Flush Mount Mud Ring

- NIO-FMMR-1R** 1" Round
- NIO-FMMR-1S** 1" Square
- NIO-FMMR-2R** 2" Round
- NIO-FMMR-2S** 2" Square
- NIO-FMMR-4R** 4" Round
- NIO-FMMR-4S** 4" Square

Allows flanged Iolite trims to be installed even with the ceiling plane. Flange is visible. Attaches to drywall. Requires professional drywall finishing. Only for use with NIOB-1, NIOB-2, NIO-4 trims and respective new construction housings.

## THREE FINISHING OPTIONS:

### FLANGED OR TRIM

A standard finishing technique, the Flanged or Trim option requires the least labor and offers the largest selection of trims. The Iolite flange is extremely thin, extending off the ceiling ever so slightly, approximately 1/16".

### FLUSH MOUNT

The Flush Mount option requires the installation of the flush mount mud ring after the drywall is installed. A professional drywall finisher floats the ceiling to blend in the mud-ring. An electrician then installs the Iolite trim with the flange exposed but even with the ceiling plane for a beautiful seamless appearance.

### TRIMLESS

Often referred to as flange-less, the Trimless option is considered the premium finishing technique. The trimless effect requires the installation of the trimless mud ring after the drywall is installed. A professional drywall finisher floats the ceiling to blend in the mud-ring, sands and paints. The trim is then inserted into the ring and the result is a spectacular, minimalist appearance with no flange.



Color the aperture while  
producing white general light  
with **Translucent Collars**

NIO-4RNDC30XHW / NIO-AS19BLU

4" Round Deep Regress Trim with Translucent Deco Collar in Blue



Create a mood with  
**Color Accessories**

NIO-4SNDC30XWW / NIO-AS19AM

4" Square Deep Cone Regress Trim with  
Translucent Deco Collar in Amber



Reduce aperture brightness  
while preserving light output  
with **Opaque Collars**

NIOB-2SG30XWW / NIO-AS26BLK

2" Square Surface Gimbal Trim with Opaque Collar Snoot in Black



Create a soft glow with  
**Frosted Accessories**

NIOB-1RNG40XWW / NIO-1AS24FR

1" BWF Round Straight Regress Trim  
with Translucent Deco Collar in Frost



Neutral



Warm



Cool



Red



Blue



Purple





# PRISM Series

## SMART LED RGBW RETROFIT DOWNLIGHT

PRISM series of Smart LED RGBW downlights change the color of light and color temperature to meet any designer's or end user's needs as they change.

Available in 4" or 5"/6" apertures in baffle or reflector styles with a deep cut-off providing visual comfort, the PRISM produces 750 to 800 lumens at 90+ CRI and is programmable from 2700K to 4000K when on the white color setting and offers thousands of RGBW color possibilities.

Using Bluetooth technology, the PRISM can be programmed with a smartphone, then controlled by your hand held remote, decora wall switch or smartphone. A standard on/off wall switch can be used for on/off functionality. Control the lights all as one, by zone, scene, or individually. PRISM is the new age in simple, affordable lighting control. PRISM can be easily retrofitted into existing 4", 5" or 6" housings or installed in remodel or new construction applications.

Control with a smartphone, remote or wall switch!



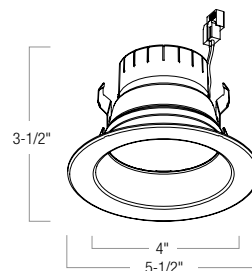
# PRISM RGBW SERIES LED RETROFIT

## 4" RETROFIT 750LM



**NLPR-441**  
4" Reflector  
BZBZ, HZW, WW

**NLPR-442**  
4" Baffle  
BZBZ, WW



### PRISM SMART RGBW 4" RETROFIT & DEDICATED UNIT

SERIES / APERTURE	REFLECTOR TYPE	SOURCE	FINISH
<b>NLPR-4</b> 4"	<b>41</b> Reflector	<b>RGBW</b>	/WW White / White
	<b>42</b> Baffle		/BZBZ Bronze / Bronze /HZW Haze / White

Example: **NLPR-441RGBW/WW**- 4" PRISM Smart LED RGBW Retrofit Downlight Reflector, White finish

4" PRISM Smart LED RGBW Retrofit Downlights are cULus classified for use in existing 4" housings manufactured by Nora and others. The units produce up to 750lm output, drawing 11.5W and rendering 90+ CRI.

A cutting edge Smart downlight, PRISM produces selectable light output from warm to cool white, red, green, blue or a mixture of colored light. PRISM can be programmed by scene or up to eight zones, has auto on and auto off features and may be synced to music. PRISM is controlled by smartphone, remote or wall switch.

#### ELECTRICAL:

**Voltage:** 120VAC

**Lumens / Wattage:** 750lm / 11.5W

**Color Rendering Index:** 90+ CRI

**LED Driver:** Built-in driver

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

#### RETROFIT:

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

#### MOUNTING:

Torsion blades

#### CONSTRUCTION:

Spun Aluminum

**LENS:** Shatter-proof, diffused polycarbonate lens, deep-set to reduce aperture glare.

#### LISTING & WARRANTY:

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

#### COMPATIBLE HOUSINGS:

##### New Construction

**NHIC-4LMRAT** 4" ICAT Dedicated LED

**NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V

**NFBIC-4LMRAT** 4" ICAT Dedicated LED Fire Box

**NSIC-401QAT** 4" ICAT Line Voltage

**NFBIC-4INCAT** 4" ICAT Line Voltage Fire Box

**NS-401QAT** 4" AT Line Voltage

**NHIC-4G24AT** 4" ICAT GU24<sup>1</sup>

##### Remodel

**NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED

**NSRIC-404QAT** 4" Remodel ICAT Line Voltage

**NSR-401QAT** 4" Remodel AT Line Voltage

**NHRIC-4G24AT** 4" Remodel ICAT GU24<sup>1</sup>

<sup>1</sup>Requires **NRA-212SM** - GU24 adaptor

PRISM fixtures feature tunable white options: 2700K, 3000K, 3500K or 4000K. As well as hundreds of color configurations, music mode and smart features.



# LED RETROFIT PRISM RGBW SERIES

## 800LM 5"/6" RETROFIT



**NLPR-5641**  
5"/6" Reflector  
BB, BZBZ, HZW, WW

**NLPR-5642**  
5"/6" Baffle  
BZBZ, WW

### PRISM SMART RGBW 5"/6" RETROFIT & DEDICATED UNIT

SERIES / APERTURE	REFLECTOR TYPE	SOURCE	FINISH
<b>NLPR-56</b> 5"/6"	<b>41</b> Reflector	<b>RGBW</b>	/WW White / White
	<b>42</b> Baffle		/BZBZ Bronze / Bronze /HZW Haze / White /BB Black / Black

Example: **NLPR-5642RGBW/BZBZ** - 5"/6" PRISM Smart LED RGBW Retrofit Downlight Baffle, Bronze finish

5"/6" PRISM Smart LED RGBW Retrofit Downlights are cULus classified for use in existing 5"/6" housings manufactured by Nora and others. The units produce up to 800lm output, drawing 13W and rendering 90+ CRI.

A cutting edge Smart downlight, PRISM produces selectable light output from warm to cool white, red, green, blue or a mixture of colored light. PRISM can be programmed by scene or up to eight zones, has auto on and auto off features and may be synced to music. PRISM is controlled by smartphone, remote or wall switch.

#### ELECTRICAL:

**Voltage:** 120VAC  
**Lumens / Wattage:** 800lm / 13W  
**Color Rendering Index:** 90+ CRI  
**LED Driver:** Built-in driver

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

#### RETROFIT:

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

#### MOUNTING:

Torsion blades

#### CONSTRUCTION:

Spun Aluminum

**LENS:** Shatter-proof, diffused polycarbonate lens, deep-set to reduce aperture glare.

#### LISTING & WARRANTY:

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

#### COMPATIBLE HOUSINGS:

##### New Construction

- NHIC-5LMRAT** 5" ICAT Dedicated LED
- NHIC-5LMRAT/277** 5" ICAT Dedicated LED, 277V
- NFBIC-5LMRAT** 5" ICAT Dedicated LED Fire Box
- NHIC-527LMRAT** 5" ICAT Shallow Dedicated LED
- NHIC-501QAT** 5" ICAT Line Voltage
- NFBIC-5INCAT** 5" ICAT Line Voltage Fire Box
- NH-501Q** 5" Line Voltage
- NHIC-5G24ATFL** 5" ICAT GU24 (requires NRA-212SM)
- NHIC-6LMRAT** 6" ICAT Dedicated LED
- NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V
- NFBIC-6LMRAT** 6" ICAT Dedicated LED 2-Hour Fire Rated
- NHIC-27LMRAT** 6" ICAT Shallow Dedicated LED
- NHIC-17QAT** 6" ICAT Line Voltage
- NHIC-17QNBAT** 6" ICAT Line Voltage (no bracket)
- NFBIC-6INCAT** 6" ICAT Medium Base 2-Hour Fire Rated
- NH-26Q** 6" Line Voltage
- NH-26QNB** 6" Line Voltage (no bracket)
- NHIC-6G24ATFL** 6" ICAT GU24 (requires NRA-212SM)

##### Remodel

- NHRIC-5LMRAT** 5" Remodel ICAT Dedicated LED
- NHRIC-527LMRAT** 5" Remodel ICAT Shallow Ded. LED
- NHRIC-504QAT** 5" Remodel ICAT Line Voltage
- NHR-504Q** 5" Remodel Line Voltage
- NHRIC-5G24ATFL** 5" Remodel ICAT GU24 (req. NRA-212SM)
- NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED
- NHRIC-27LMRAT** 6" Remodel ICAT Shallow Ded. LED
- NHRIC-17QAT** 6" Remodel AT Line Voltage
- NHRIC-17QNBAT** 6" Remodel AT Line Voltage (no bracket)
- NHR-26Q** 6" Remodel Line Voltage
- NHRIC-6G24ATFL** 6" Remodel ICAT GU24 (req. NRA-212SM)



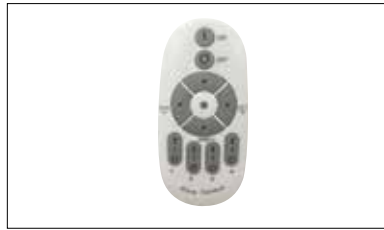
# PRISM RGBW SERIES LED RETROFIT ACCESSORIES



## PRISM Master Remote Control

NLPR-RGBWCONT Master

Master control for all installed PRISM downlights in an application. Controls on/off functionality, dimming, change color temperature and change color of light. Multiple remotes can control the same installed fixtures. Includes holster for wall mounting.



## PRISM Zone Remote Control

NLPR-ZONECONT Zone

Control for a specified zone of installed PRISM downlights. Controls on/off functionality, dimming and color temperature. Each zone remote can be programmed to control up to four zones (ControlLIT app can control up to eight zones). Multiple zone control remotes can be used in a single environment. Can be used to control all connected lights. Zones must be set through Nora's ControlLIT app. Includes holster for wall mounting.



## PRISM Decora Wall Control (plate not included)

NLPR-DWC-RGBWCONT Master

Requires NO wiring and works just like a master remote control. Controls all installed PRISM downlights in an application. Controls on/off functionality, dimming, change of color temperature and change of light color. Can be mounted as wall control in an existing Decora plate. Control is held in plate with magnet and is easily removed to replace battery or use as hand held remote.



## Medium Base Socket

NRA-211SM

Screw in medium base socket for retrofitting into existing medium base downlight housings. One NRA-211SM is included with each PRISM.



## GU24 Socket Adapter

NRA-212SM

GU24 socket adapter for use with GU24 base housings.



## PRISM Smartphone Application

ControlLIT

Compatible with iOS or Android Systems. Download the free app from the Google Play Store or the App Store.

Use the application to login and program each PRISM luminaire, program remotes, create zones, create scenes, set timers and change fixture's names.

Additional features include: setting color temperatures, changing color of light, music mode (changes color of light to the beat of music) or party mode (changes color of light randomly)





Control groups of lights by zone or room. Set a timer to have your lights come on or off automatically or program lights to change color to the beat of the music.









# LED Cobalt Family

HIGH LUMEN · SHALLOW · ADJUSTABLE · ELBOW · CLICK · WALL WASH

The **LED Cobalt Family** features color consistency across the line, offering the latest Cree® COB (chip on board) LEDs. The COB sits behind a diffused lens deep set into an aluminum reflector providing excellent visual comfort.

Cobalt family features color consistency across the line. Whether the application is high-ceiling or wall wash, 4", 5" or 6" square or round aperture, all will have consistent color. Cobalt family uses Cree COB

technology for long lasting color consistency to meet design specifications for any job, large or small.

Cobalt family can be used for any project, including sloped, shallow or high ceilings. High lumen family produces up to 2000lm and adjustable retrofit reflector offers a clean look for any application without breaking the ceiling plane. 2-5/8" Shallow housing is ideal for multi-family structures with minimal ceiling depth.

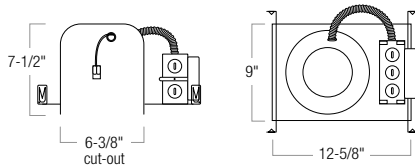


# COBALT HIGH LUMEN SERIES COMMERCIAL AND RESIDENTIAL

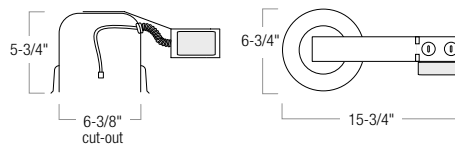
## 6" HOUSING 1500LM OR 2000LM



**NHCB-6**  
6" New Construction Housing



**NHRCB-6**  
6" Remodel Housing



### COBALT HIGH LUMEN SERIES 6" NON-IC HOUSING

SERIES / APERTURE	LUMENS / WATTAGE	VOLTAGE	OPTIONAL EMERGENCY
<b>NHCB-6</b> Non-IC New Construction	<b>15</b> 1500lm / 21W	<b>LE1</b> 120V input; 0-10V dimming	<b>EM</b> Emergency with Remote Test Switch (for remodel housing, specify or order battery and test switch separately)
<b>NHRCB-6</b> Non-IC Remodel	<b>20</b> 2000lm / 34W	<b>LE2</b> 277V input; 0-10V dimming	

*Example: NHRCB-620LE2 - 6" Non-IC Remodel Housing, 2000lm / 34W, 277V input; 0-10V dimming.*

Cobalt High Lumen LED dedicated new construction and remodel housings are thermally protected for use in non-IC applications and require a Cobalt High Lumen reflector/module. The Cobalt HL looks identical to a 6" Cobalt from below but produces an incredible 1500 or 2000 lumens at 90+CRI for higher ceiling applications. An obvious and smart choice for green energy-efficient lighting in commercial and residential applications.

#### ELECTRICAL:

**Voltage:** 120V or 277V

**Lumens / Wattage:** 1500lm / 21W or 2000lm / 34W

**Color Rendering Index:** 90+ CRI

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

**LED:** Cree® COB

**Dimming:** 0-10V

#### CONSTRUCTION:

**Housing:** High quality, die-cut 0.040 aluminum one-piece frame. Arm consisting of 0.050 structural steel connects remodel housing with junction box.

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

#### INSTALLATION:

**New Construction :** Bar hangers are adjustable to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installations.

**Remodel:** High-tension tempered steel springs secure remodel housings evenly to the ceiling. Accommodates ceiling thicknesses from 5/8" to 1-3/8".

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

**EMERGENCY OPTION:** Emergency back-up operates LED for a minimum of 90 minutes. Unit includes battery, charger and remote test plate with indicator light. For remodel, specify or order NEPK-BSL17C-C2U.

#### LISTING & WARRANTY:

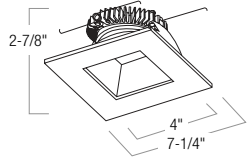
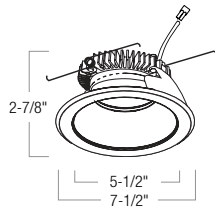
- cULus Listed for Wet Location
- Meets or exceeds ASTM-283 Air-Tight Requirements
- ENERGY STAR certified
- 5 Year Limited Warranty





# COMMERCIAL AND RESIDENTIAL COBALT HIGH LUMEN SERIES

## 1500LM OR 2000LM 6" REFLECTORS



**NLCB-651**  
6" Reflector  
BB, BW, BZBZ, COCO, DW, HZW,  
MPW, NN, WW



**NLCB-652**  
6" Baffle  
BB, BW, BZBZ, MPW, NN, WW



**NLCB-653**  
6" Square w/Round Aperture  
BZBZ, DW, HZW, MPW, WW



**NLCB-656**  
6" Square Regress  
BB, BW, BZBZ, HZW, MPW,  
NN, PW, WW

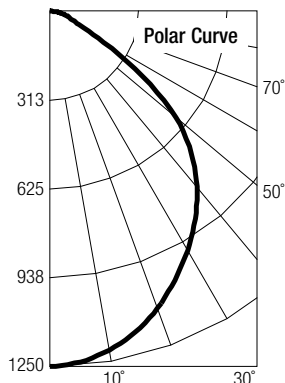
### COBALT HIGH LUMEN SERIES 6" REFLECTORS

SERIES / APERTURE	TRIM TYPE	LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NLCB-6</b>	<b>51</b> Round Reflector	<b>15</b> 1500lm / 21W	<b>27</b> 2700K	<b>BB</b> Black w/Black Flange <b>BW</b> Black w/White Flange <b>BZBZ</b> Bronze w/Bronze Flange <b>COCO</b> Copper w/Copper Flange <b>DW</b> Diffused Clear w/White Flange <b>HZW</b> Haze w/White Flange <b>MPW</b> Matte Powder White w/Matte Powder White Flange <b>NN</b> Nat Metal w/Nat Metal Flange <b>PW</b> Pewter w/White Flange (656 only) <b>WW</b> White w/White Flange
	<b>52</b> Round Baffle	<b>20</b> 2000lm / 34W	<b>30</b> 3000K	
	<b>53</b> Square with Round Aperture		<b>35</b> 3500K	
	<b>56</b> Square with Square Aperture		<b>40</b> 4000K	

Example: **NLCB-6512035WW** - 6" Reflector, 2000lm / 34W, 3500K, White Reflector and White Flange.

### PHOTOMETRICS

Test Number: NTR1191  
Part Number: NLCB-6512035WW  
Lumens: 2676lm  
Wattage: 30.9W  
Efficacy: 87lpw  
CCT / CRI: 3500K / 90 CRI  
Spacing Criteria (0°-180°): 1.18  
Spacing Criteria (90°-270°): 1.18



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
6'	34.5fc	13'-7"
9'	15.3fc	20'-6"
12'	8.6fc	27'-4"
15'	5.5fc	34'-1"
18'	3.8fc	40'-11"

### Candela Table

Vertical Angles	Candela
0	1241
5	1239
15	1171
25	1050
35	900
45	714

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	927	34.6
0-40	1487	55.6
0-60	2401	89.7
0-90	2644	98.8
90-180	32	1.2
0-180	2676	100

### ACCESSORIES



- NLCBC-6EYELIDB** Round Eyelid, Black
- NLCBC-6EYELIDBZ** Round Eyelid, Bronze
- NLCBC-6EYELIDMPW** Round Eyelid, Matte Powder White
- NLCBC-6EYELIDW** Round Eyelid, White



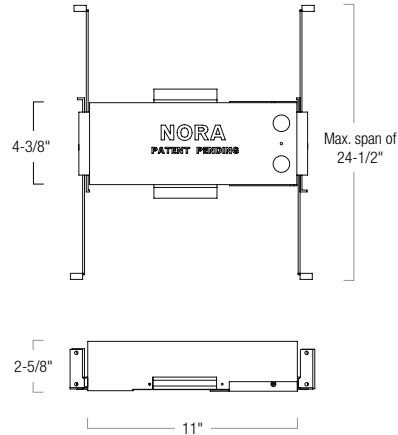
- NLCBC-6OR-B** Round Oversize Ring, Black
- NLCBC-6OR-BZ** Round Oversize Ring, Bronze
- NLCBC-6OR-MPW** Round Oversize Ring, Matte Powder White
- NLCBC-6OR-W** Round Oversize Ring, White

# COBALT SERIES COMMERCIAL AND RESIDENTIAL

## 4" SHALLOW IC AIR-TIGHT HOUSING 850LM TO 1400LM



**NHSIC-4**  
4" Cobalt Shallow IC Air-Tight New Construction Housing



### COBALT SERIES 4" SHALLOW HOUSING

SERIES / APERTURE	LUMENS	VOLTAGE
<b>NHSIC-4</b> 4" Shallow IC Air-Tight New Construction	<b>85</b> 850lm / 13W	<b>LE3</b> 120V input; Triac / ELV Dimming
	<b>12</b> 1250lm / 16W	<b>LE4</b> 120-277V input; Triac / ELV / 0-10V Dimming
	<b>14</b> 1400lm / 22W	

Example: **NHSIC-485LE3** - 4" Shallow IC Air-Tight New Construction Housing, 850lm / 13W, 120V Input; Triac/ELV Dimming

Shallow, specification grade, IC air-tight new construction housing that is only 2-5/8" tall. The patent pending driver design allows complete accessibility from below the ceiling. Dedicated reflectors are available in multiple finishes and lumens outputs, in round and square apertures. Cobalt family utilizes Cree LED technology throughout, for consistent and uniform appearance.

#### ELECTRICAL:

**Voltage:** 120V or 120-277V

**Lumens / Wattage:**

850lm / 13W, 1250lm / 16W, 1400lm / 22W

**Color Rendering Index:** 90+ CRI

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

**LED:** Cree® COB

**Dimming:** Triac, ELV or 0-10V dimming

#### CONSTRUCTION:

**Housing:** Heavy gauge welded 0.075" steel housing with two inner boxes adjusts from 3/8" to 1-1/2" maximum ceiling thickness. Suitable for contact with insulation. Patent pending movable driver compartment for easy access to driver after installation.

**Trim:** Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. The deep trim places the LED optics deeper, increasing the visual comfort and reduces COB board images when off. Available in round reflector, baffle, square/round and square/square styles

#### INSTALLATION:

**New Construction:** Bar hangers are adjustable to 24-1/2" and can be repositioned 90 degrees. Bar hangers are slotted for T-bar installations.

**MINIMUM CLEARANCES:** IC housings are rated for direct contact with thermal insulation and does not have any minimum clearance requirements.

#### LISTING & WARRANTY:

- cULus Listed for Wet Location
- Meets or exceeds ASTM-283 Air-Tight Requirements
- ENERGY STAR certified (850lm and 1250lm only)
- Can be used to comply with 2016 Title 24 – part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty



# COMMERCIAL AND RESIDENTIAL COBALT SERIES

## 850LM TO 1400LM 4" SHALLOW IC AIR-TIGHT REFLECTORS



### COBALT SERIES 4" SHALLOW REFLECTORS

SERIES / APERTURE	TRIM TYPE	LUMENS	COLOR TEMP	FINISH
<b>NLCBS-4</b>	<b>W51</b> Round Reflector	<b>85</b> 850lm / 13W	<b>27</b> 2700K	<b>BB</b> Black w/Black Flange <b>BW</b> Black w/White Flange <b>BZ</b> Bronze w/Bronze Flange <b>DW</b> Diffused Clear w/White Flange <b>HZW</b> Haze w/White Flange <b>MPW</b> Matte Powder White <b>NN</b> Natural Metal w/Natural Metal Flange <b>PW</b> Pewter w/White Flange (456 only) <b>WW</b> White w/White Flange
	<b>W52</b> Round Baffle	<b>12</b> 1250lm / 16W	<b>30</b> 3000K	
	<b>53</b> Square with Round Aperture	<b>14*</b> 1400lm / 22W	<b>35</b> 3500K	
	<b>56</b> Square with Square Aperture		<b>40</b> 4000K	
		<small>* 1400lm package not listed under Energy Star</small>		

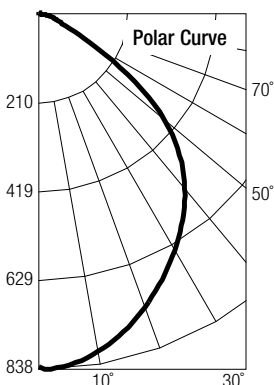
Example: **NLCBS-4538530WW** - 4" Square Reflector w/Round Aperture, 850lm / 13W, 3000K, White Reflector / White Flange.

### PHOTOMETRICS

Test Number: NTR1181  
 Part Number: NLCBS-4W511440WW  
 Lumens: 1781lm  
 Wattage: 22W  
 Efficacy: 81lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180): 1.18  
 Spacing Criteria (90°-270): 1.18

#### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	52.1fc	9'-2"
6'	23.1fc	13'-11"
8'	13fc	18'-6"
10'	8.3fc	23'-1"
12'	5.8fc	27'-8"



#### Candela Table

Vertical Angles	Candela
0	833
5	830
15	780
25	693
35	596
45	480

#### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	618	34.7
0-40	990	55.6
0-60	1617	90.8
0-90	1767	99.2
90-180	14	0.8
0-180	1781	100

# COBALT CLICK SERIES RETROFIT

## 4" RETROFIT 750LM

Patent No. D797977



**NLCBC2-451**  
4" Deep Reflector  
BB, BW, BZBZ, COCO, DW,  
HZW, MPW, NN, WW



**NLCBC2-452**  
4" Deep Baffle  
BB, BW, BZBZ, MPW, NN, WW



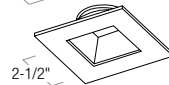
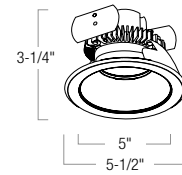
**NLCBC2-453**  
4" Square Round  
BZBZ, DW, HZW, MPW, WW



**NLCBC2-456**  
4" Square Regress  
BB, BW, BZBZ, HZW, MPW, NN,  
PW, WW



Each Cobalt retrofit includes a medium base socket for easy retrofitting



### COBALT CLICK SERIES 4" 750LM RETROFIT

SERIES / APERTURE	TRIM TYPE	COLOR TEMP	FINISH	DIMMING + EMERGENCY	
<b>NLCBC2-4</b> <small>units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.</small>	<b>51</b> Deep Reflector	<b>27</b> 2700K	<b>BB</b> Black with Black Flange	<b>(blank)</b> 120V Triac / ELV	
	<b>52</b> Deep Baffle	<b>30</b> 3000K	<b>BW</b> Black with White Flange	<b>EM</b> Remote Emergency <i>(requires Nora EM housing)</i>	
	<b>53</b> Square Round	<b>35</b> 3500K	<b>BZBZ</b> Bronze with Bronze Flange	<b>LE2</b> 277V Non-Dimming <i>(not available in 3500K)</i>	
	<b>56</b> Square Regress	<b>40</b> 4000K	<b>COCO</b> Copper with Copper Flange	<b>LE4</b> 120V 0-10V / Triac; 277V 0-10V <i>(requires Nora 4W housing)</i>	
		<b>CD</b> Comfort Dim		<b>MPW</b> Matte Powder White	<b>LE4EM</b> LE4 w/ Remote Emergency <i>(requires Nora 6WEM housing)</i>
				<b>NN</b> Natural Metal with Natural Metal Flange	
				<b>PW</b> Pewter with White Flange (456 only)	
			<b>WW</b> White with White Flange		

Example: **NLCBC2-45130WW** - 4" Retrofit Deep Reflector, 3000K, White Reflector with White Flange.

4" LED Cobalt Click luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The units provide 750 Lumen output and integrate the latest from the Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

#### ELECTRICAL:

**Voltage:** 120V or 277V  
**Lumens / Wattage:** 750lm / 12W  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K or Comfort Dim (3100K-1700K)  
**Color Rendering Index:** 90+ CRI  
**Operating Temperature:** 0°C~25°C  
**Dimming:** Triac, ELV or 0-10V

#### COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 1700K on a gradual, even curve.

#### RETROFIT:

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

**INSTALLATION:** Two steel, spring mounting blades allow for easy and secure mounting in most 4" housings.

**CONSTRUCTION:** Unitized Thermal Management system (UTM) provides exceptional cool operation exceeding all industry standards. "Click" system allows trims to be easily changed in the field.

#### ACCESSORIES:

**NLCBC-4EYELID** - Round eyelid used to convert round reflector or baffle to half moon wall wash trim. Available in black, bronze, matte powder white or white.  
**NLCBC-4OR** - Round oversize ring used to cover ceiling cut-outs up to 6". Available in black, bronze, matte powder white or white.

#### LISTING & WARRANTY:

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



#### COMPATIBLE HOUSINGS:

##### New Construction

- NHIC-4LMRAT** 4" ICAT Dedicated LED
- NHIC-4LMRAT/EM** 4" ICAT Dedicated LED for EM
- NHIC-4LMRAT/4W** 4" ICAT Dedicated LED for LE4
- NHIC-4LMRAT/6WEM** 4" ICAT Ded. LED for EM + LE4
- NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V  
*Includes step-down transformer. Converts 277V to 120V*
- NFBIC-4LMRAT** 4" ICAT Dedicated LED Fire Box
- NFBIC-4LMRAT/4W** 4" ICAT LED Fire Box for LE4
- NSIC-401QAT** 4" ICAT Line Voltage
- NFBIC-4INCAT** 4" ICAT Fire Box
- NS-401QAT** 4" AT Line Voltage
- NHIC-4G24AT** 4" ICAT GU24

##### Remodel

- NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED
- NSRIC-404QAT** 4" Remodel ICAT Line Voltage
- NSR-404QAT** 4" Remodel AT Line Voltage
- NHRIC-4G24AT** 4" Remodel ICAT GU24

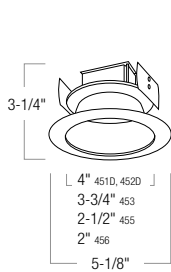




Each Cobalt retrofit includes a medium base socket for easy retrofitting

# RETROFIT COBALT SERIES

## 1000LM 4" RETROFIT



(shown with wall wash eyelid)

**NLCBC-451D**

4" Reflector  
BZ, DD, DW, HZW, MPW, WW



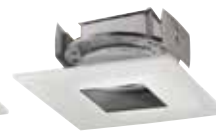
**NLCBC-452D**

4" Baffle  
BZ, DW, HZW, MPW, WW



**NLCBC-453**

4" Square Round  
MPW, WW



**NLCBC-455**

4" Square Pinhole  
MPW, WW



**NLCBC-456**

4" Square Regress  
MPW, WW

### COBALT SERIES 4" 1000LM RETROFIT

SERIES / APERTURE	TRIM TYPE	COLOR TEMP	FINISH	OPTION	
<b>NLCBC-4</b> units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.	<b>51D</b> Reflector	<b>30</b> 3000K <b>35</b> 3500K	<b>DD</b> Diffused/Diffused <b>DW</b> Diffused/White <b>WW</b> White/White	<b>LE4</b> 120V 0-10V/Triac/ELV; 277V 0-10V <i>(requires Nora 4W housing)</i> <b>LE4EM</b> LE4 w/ Remote Emergency <i>(requires Nora 6WEM housing)</i>	
		<b>51D</b> Reflector <b>52D</b> Baffle	<b>27</b> 2700K <b>30</b> 3000K <b>40</b> 4000K	<b>BZ</b> Bronze <b>DW</b> Diffused/White <b>HZW</b> Haze/White <b>MPW</b> Matte Powder White <b>WW</b> White/White	<b>(blank)</b> 120V Triac / ELV <b>EM</b> Remote Emergency <i>(requires Nora EM housing)</i>
		<b>53</b> Square Round <b>55</b> Square Pinhole <b>56</b> Square Regress	<b>27</b> 2700K <b>30</b> 3000K	<b>MPW</b> Matte Powder White <b>WW</b> White/White	

Example: **NLCBC-451D30HZW** - 4" Retrofit Reflector, 3000K, Haze Reflector and White Flange.

Cobalt 1000lm retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The 4" retrofit luminaires produces 1000 lumen output at 90+ CRI. The Cobalt series integrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. An obvious and smart choice for Green Energy efficient lighting in commercial and residential applications.

#### ELECTRICAL:

**Voltage:** 120V or 277V  
**Lumens / Wattage:** 1000lm / 16W  
**Color Rendering Index:** 90+ CRI  
**Operating Temperature:** 0°C~45°C  
**Dimming:** Triac, ELV or 0-10V

#### RETROFIT:

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

**INSTALLATION:** Two steel, spring mounting blades allow for easy and secure mounting in most 4" housings.

**CONSTRUCTION:** Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. The deep trim places the LED optics deeper, increasing the visual comfort and reduces COB board images when off.

#### ACCESSORIES:

**NLCBC-4EYELID** - Round eyelid used to convert round reflector or baffle to half moon wall wash trim. Available in black, bronze, matte powder white or white.  
**NLCBC-40R** - Round oversize ring used to cover ceiling cut-outs up to 6". Available in black, bronze, matte powder white or white.

#### LISTING & WARRANTY:

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

#### COMPATIBLE HOUSINGS:

##### New Construction

- NHIC-4LMRAT** 4" ICAT Dedicated LED
- NHIC-4LMRAT/EM** 4" ICAT Dedicated LED for EM
- NHIC-4LMRAT/4W** 4" ICAT Dedicated LED for LE4
- NHIC-4LMRAT/6WEM** 4" ICAT Ded. LED for EM + LE4
- NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V  
*Includes step-down transformer. Converts 277V to 120V*
- NFBIC-4LMRAT** 4" ICAT Dedicated LED Fire Box
- NFBIC-4LMRAT/4W** 4" ICAT LED Fire Box for LE4
- NSIC-401QAT** 4" ICAT Line Voltage
- NFBIC-4INCAT** 4" ICAT Line Voltage Fire Box
- NS-401QAT** 4" AT Line Voltage
- NHIC-4G24AT** 4" ICAT GU24

##### Remodel

- NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED
- NSRIC-404QAT** 4" Remodel ICAT Line Voltage
- NSR-404QAT** 4" Remodel AT Line Voltage
- NHRIC-4G24AT** 4" Remodel ICAT GU24



# COBALT CLICK SERIES RETROFIT

## 5" RETROFIT 750LM

Patent No. D797977



### NLCBC2-551

5" Deep Reflector  
BB, BW, BZBZ, COCO, DW,  
HZW, MPW, NN, WW



### NLCBC2-552

5" Deep Baffle  
BB, BW, BZBZ, MPW, NN,  
WW



### NLCBC2-553

5" Square Round  
BZBZ, DW, HZW, MPW, WW

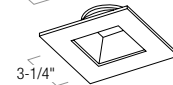
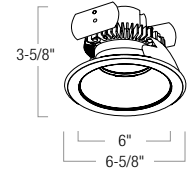


### NLCBC2-556

5" Square Regress  
BB, BW, BZBZ, HZW, MPW,  
NN, PW, WW



Each Cobalt retrofit includes a medium base socket for easy retrofitting



## COBALT CLICK SERIES 5" 750LM RETROFIT

SERIES / APERTURE	TRIM TYPE	COLOR TEMP	FINISH	DIMMING + EMERGENCY
<b>NLCBC2-5</b> units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.	<b>51</b> Deep Reflector	<b>27</b> 2700K	<b>BB</b> Black with Black Flange	<b>(blank)</b> 120V Triac / ELV <b>EM</b> Remote Emergency (requires Nora EM housing) <b>LE2</b> 277V Non-Dimming (available in 2700K or 3000K only) <b>LE4</b> 120V 0-10V / Triac; 277V 0-10V (requires Nora 4W housing) <b>LE4EM</b> LE4 w/ Remote Emergency (requires Nora 6WEM housing)
	<b>52</b> Deep Baffle	<b>30</b> 3000K	<b>BW</b> Black with White Flange	
	<b>53</b> Square Round	<b>35</b> 3500K	<b>BZBZ</b> Bronze with Bronze Flange	
	<b>56</b> Square Regress	<b>40</b> 4000K	<b>COCO</b> Copper with Copper Flange	
		<b>CD</b> Comfort Dim	<b>4000K</b>	
			<b>HZW</b> Haze with White Flange	
			<b>MPW</b> Matte Powder White	
			<b>NN</b> Natural Metal with Natural Metal Flange	
			<b>PW</b> Pewter with White Flange (556 only)	
			<b>WW</b> White with White Flange	

Example: **NLCBC2-55130WW** - 5" Retrofit Deep Reflector, 3000K, White Reflector with White Flange.

5" LED Cobalt Click luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The units provide 750 Lumen output and integrate the latest from the Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

### ELECTRICAL:

**Voltage:** 120V or 277V  
**Lumens / Wattage:** 750lm / 12W  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K or Comfort Dim (3100K-1700K)  
**Color Rendering Index:** 90+ CRI  
**Operating Temperature:** 0°C~25°C  
**Dimming:** Triac, ELV or 0-10V

### COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 1700K on a gradual, even curve.

### RETROFIT:

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

**INSTALLATION:** Two steel, spring mounting blades allow for easy and secure mounting in most 5" housings.

**CONSTRUCTION:** Unitized Thermal Management system (UTM) provides exceptional cool operation exceeding all industry standards. "Click" system allows trims to be easily changed in the field.

### ACCESSORIES:

**NLCBC-5EYELID** - Round eyelid used to convert round reflector or baffle to half moon wall wash trim. Available in black, bronze, matte powder white or white.  
**NLCBC-5OR** - Round oversize ring used to cover ceiling cut-outs up to 7-1/8". Available in black, bronze, matte powder white or white.

### LISTING & WARRANTY:

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



### COMPATIBLE HOUSINGS:

#### New Construction

- NHIC-5LMRAT** 5" ICAT Dedicated LED
- NHIC-5LMRAT/EM** 5" ICAT Dedicated LED for EM
- NHIC-5LMRAT/4W** 5" ICAT Dedicated LED for LE4
- NHIC-5LMRAT/6WEM** 5" ICAT Ded. LED for EM + LE4
- NHIC-5LMRAT/277** 5" ICAT Dedicated LED, 277V  
Includes step-down transformer. Converts 277V to 120V
- NFBIC-5LMRAT** 5" ICAT Dedicated LED Fire Box
- NHIC-527LMRAT** 5" Shallow ICAT Dedicated LED
- NHIC-501QAT** 5" ICAT Line Voltage
- NFBIC-5INCAT** 5" ICAT Line Voltage Fire Box
- NHIC-527QAT** 5" Shallow ICAT Line Voltage
- NH-501Q** 5" Non-IC Line Voltage
- NHIC-5G24ATFL** 5" ICAT GU24

#### Remodel

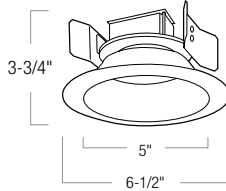
- NHRIC-5LMRAT** 5" Remodel ICAT Dedicated LED
- NHRIC-527LMRAT** 5" Remodel Shallow ICAT Ded. LED
- NHRIC-504QAT** 5" Remodel ICAT Line Voltage
- NHRIC-527QAT** 5" Remodel Shallow ICAT Line Voltage
- NHR-504Q** 5" Remodel Non-IC Line Voltage
- NHRIC-5G24ATFL** 5" Remodel ICAT GU24



Each Cobalt retrofit includes a medium base socket for easy retrofitting

# RETROFIT COBALT SERIES

## 1000LM 5" RETROFIT



**NLCBC-551**  
5" Reflector  
BZ, DW, HZW, MPW, WW



**NLCBC-552**  
5" Baffle  
BZ, MPW, WW

### COBALT SERIES 5" 1000LM RETROFIT

SERIES / APERTURE	TRIM TYPE	COLOR TEMP	FINISH	OPTION
<b>NLCBC-5</b> units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.	51 Reflector	27 2700K	BZ Bronze/Bronze	(blank) 120V Triac / ELV
	52 Baffle	30 3000K	DW Diffused/White	EM Remote Emergency <i>(requires Nora EM housing)</i>
		40 4000K	HZW Haze/White MPW Matte Powder White WW White/White	

Example: **NLCBC-55130BZ** - 5" Retrofit Reflector, 3000K, Bronze Reflector and Bronze Flange.

Cobalt 1000lm retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The 5" retrofit luminaires produces 1000 lumen output at 90+ CRI. The Cobalt series integrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. An obvious and smart choice for Green Energy efficient lighting in commercial and residential applications.

#### ELECTRICAL:

**Voltage:** 120V  
**Lumens / Wattage:** 1000lm / 16W  
**Color Rendering Index:** 90+ CRI  
**Operating Temperature:** 0°C~45°C  
**Dimming:** Triac, ELV or 0-10V

#### RETROFIT:

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

**INSTALLATION:** Two steel, spring mounting blades allow for easy and secure mounting in most 5" housings.

**CONSTRUCTION:** Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. The deep trim places the LED optics deeper, increasing the visual comfort and reduces COB board images when off.

#### ACCESSORIES:

**NLCBC-5EYELID** - Round eyelid used to convert round reflector or baffle to half moon wall wash trim. Available in black, bronze, matte powder white or white.  
**NLCBC-50R** - Round oversize ring used to cover ceiling cut-outs up to 7-1/8". Available in black, bronze, matte powder white or white.

#### LISTING & WARRANTY:

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

#### COMPATIBLE HOUSINGS:

##### New Construction

**NHIC-5LMRAT** 5" ICAT Dedicated LED  
**NHIC-5LMRAT/EM** 5" ICAT Dedicated LED for EM  
**NHIC-5LMRAT/277** 5" ICAT Dedicated LED, 277V  
*Includes step-down transformer. Converts 277V to 120V*

**NFBIC-5LMRAT** 5" ICAT Dedicated LED Fire Box  
**NHIC-527LMRAT** 5" Shallow ICAT Dedicated LED  
**NHIC-501QAT** 5" ICAT Line Voltage  
**NFBIC-5INCAT** 5" ICAT Line Voltage Fire Box  
**NHIC-527QAT** 5" Shallow ICAT Line Voltage  
**NH-501Q** 5" Non-IC Line Voltage  
**NHIC-5G24ATFL** 5" ICAT GU24

##### Remodel

**NHRIC-5LMRAT** 5" Remodel ICAT Dedicated LED  
**NHRIC-527LMRAT** 5" Remodel Shallow ICAT Ded. LED  
**NHRIC-504QAT** 5" Remodel ICAT Line Voltage  
**NHRIC-527QAT** 5" Remodel Shallow ICAT Line Voltage  
**NHR-504Q** 5" Remodel Non-IC Line Voltage  
**NHRIC-5G24ATFL** 5" Remodel ICAT GU24



# COBALT CLICK SERIES RETROFIT

## 6" RETROFIT 750LM

Patent No. D797977



Each Cobalt retrofit includes a medium base socket for easy retrofitting



**NLCBC2-651**  
6" Deep Reflector  
BB, BW, BZBZ, COCO, DW,  
HZW, NN, WW



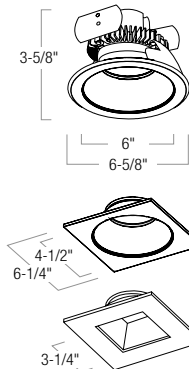
**NLCBC2-652**  
6" Deep Baffle  
BB, BW, BZBZ, NN, WW



**NLCBC2-653**  
6" Square Round  
BZBZ, DW, HZW, WW



**NLCBC2-656**  
6" Square Regress  
BB, BW, BZBZ, HZW, MPW,  
NN, PW, WW



### COBALT CLICK SERIES 6" 750LM RETROFIT

SERIES / APERTURE	TRIM TYPE	COLOR TEMP	FINISH	DIMMING + EMERGENCY	
<b>NLCBC2-6</b> <small>units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.</small>	<b>51</b> Deep Reflector	<b>27</b> 2700K	<b>BB</b> Black with Black Flange	<b>(blank)</b> 120V Triac / ELV <b>EM</b> Remote Emergency <i>(requires Nora EM housing)</i> <b>LE2</b> 277V Non-Dimming <i>(not available in 3500K)</i> <b>LE4</b> 120V 0-10V / Triac; 277V 0-10V <i>(requires Nora 4W housing)</i> <b>LE4EM</b> LE4 w/ Remote Emergency <i>(requires Nora 6WEM housing)</i>	
	<b>52</b> Deep Baffle	<b>30</b> 3000K	<b>BW</b> Black with White Flange		
	<b>53</b> Square Round	<b>35</b> 3500K	<b>BZBZ</b> Bronze with Bronze Flange		
	<b>56</b> Square Regress	<b>40</b> 4000K	<b>COCO</b> Copper with Copper Flange		
		<b>CD</b> Comfort Dim	<b>DW</b> Diffused Clear with White Flange		<b>DW</b> Diffused Clear with White Flange
			<b>HZW</b> Haze with White Flange		<b>MPW</b> Matte Powder White
			<b>NN</b> Natural Metal with Natural Metal Flange		
			<b>PW</b> Pewter with White Flange (656 only)		
			<b>WW</b> White with White Flange		

Example: **NLCBC2-65130WW** - 6" Retrofit Deep Reflector, 3000K, White Reflector with White Flange.

6" LED Cobalt Click luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The units provide 750 Lumen output and integrate the latest from the Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption.

#### ELECTRICAL:

**Voltage:** 120V or 277V  
**Lumens / Wattage:** 750lm / 12W  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K or Comfort Dim (3100K-1700K)  
**Color Rendering Index:** 90+ CRI  
**Operating Temperature:** 0°C~25°C  
**Dimming:** Triac, ELV or 0-10V

#### COMFORT DIM:

Comfort Dim color tunes the temperature from a bright 3100K, to a romantic and comfortable 1700K on a gradual, even curve.

#### RETROFIT:

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

**INSTALLATION:** Two steel, spring mounting blades allow for easy and secure mounting in most 6" housings.

**CONSTRUCTION:** Unitized Thermal Management system (UTM) provides exceptional cool operation exceeding all industry standards. "Click" system allows trims to be easily changed in the field.

#### ACCESSORIES:

**NLCBC-6EYELID** - Round eyelid used to convert round reflector or baffle to half moon wall wash trim. Available in black, bronze, matte powder white or white.  
**NLCBC-6OR** - Round oversize ring used to cover ceiling cut-outs up to 8-1/4". Available in black, bronze, matte powder white or white.

#### LISTING & WARRANTY:

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



#### COMPATIBLE HOUSINGS:

##### New Construction

- NHIC-6LMRAT** 6" ICAT Dedicated LED
- NHIC-6LMRAT/EM** 6" ICAT Dedicated LED for EM
- NHIC-6LMRAT/4W** 6" ICAT Dedicated LED for LE4
- NHIC-6LMRAT/6WEM** 6" ICAT Ded. LED for LE4+EM
- NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V  
*Includes step-down transformer. Converts 277V to 120V*
- NFBIC-6LMRAT** 6" ICAT Dedicated LED Fire Box
- NFBIC-6LMRAT/4W** 6" ICAT Ded. LED Fire Box for LE4
- NHIC-27LMRAT** 6" Shallow ICAT Dedicated LED
- NHIC-17QAT** 6" ICAT Line Voltage
- NFBIC-6INCAT** 6" ICAT Line Voltage Fire Box
- NHIC-27QAT** 6" Shallow ICAT Line Voltage
- NH-26Q** 6" Non-IC Line Voltage
- NHIC-6G24ATFL** 6" ICAT GU24

##### Remodel

- NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED
- NHRIC-27LMRAT** 6" Shallow Remodel ICAT Ded. LED
- NHRIC-17QAT** 6" Remodel ICAT Line Voltage
- NHRIC-27QAT** 6" Shallow Remodel ICAT Line Voltage
- NHR-26Q** 6" Remodel Line Voltage
- NHRIC-6G24ATFL** 6" Remodel ICAT GU24

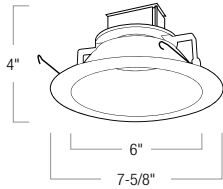




Each Cobalt retrofit includes a medium base socket for easy retrofitting

# RETROFIT COBALT SERIES

## 1000LM 6" RETROFIT



**NLCBC-651**  
6" Reflector  
BZ, DD, DW, HZW, MPW, WW



**NLCBC-652**  
6" Baffle  
BZ, MPW, WW

### COBALT SERIES 6" 1000LM RETROFIT

SERIES / APERTURE	TRIM TYPE	COLOR TEMP	FINISH	OPTION
<b>NLCBC-6</b> units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.	51 Reflector	30 3000K 35 3500K	DD Diffused/Diffused DW Diffused/White WW White/White	LE4 120V 0-10V / Triac; 277V 0-10V (requires Nora 4W housing) LE4EM LE4 w/ Remote Emergency (requires Nora 6WEM housing)
	51 Reflector 52 Baffle	27 2700K 30 3000K 35* 3500K 40 4000K	BZ Bronze DW Diffused/White HZW Haze/White MPW Matte Powder White WW White/White	(blank) 120V Triac / ELV EM Remote Emergency (requires Nora EM housing)

Example: **NLCBC-651D30HZW** - 6" Retrofit Reflector, 3000K, Haze Reflector and White Flange.

\* Available in DW & WW finish only.

Cobalt 1000lm retrofit series is cULus classified for use in existing IC or Non-IC housings manufactured by Nora and others. The 6" retrofit luminaires produces 1000 lumen output at 90+ CRI. The Cobalt series integrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. An obvious and smart choice for Green Energy efficient lighting in commercial and residential applications.

#### ELECTRICAL:

**Voltage:** 120V or 277V  
**Lumens / Wattage:** 1000lm / 16W  
**Color Rendering Index:** 90+ CRI  
**Operating Temperature:** 0°C~45°C  
**Dimming:** Triac, ELV or 0-10V

#### RETROFIT:

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

**INSTALLATION:** Two steel, spring mounting blades allow for easy and secure mounting in most 6" housings.

**CONSTRUCTION:** Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. The deep trim places the LED optics deeper, increasing the visual comfort and reduces COB board images when off.

#### ACCESSORIES:

**NLCBC-6EYELID** - Round eyelid used to convert round reflector or baffle to half moon wall wash trim. Available in black, bronze, matte powder white or white.  
**NLCBC-60R** - Round oversize ring used to cover ceiling cut-outs up to 8-1/4". Available in black, bronze, matte powder white or white.

#### LISTING & WARRANTY:

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

#### COMPATIBLE HOUSINGS:

##### New Construction

**NHIC-6LMRAT** 6" ICAT Dedicated LED  
**NHIC-6LMRAT/EM** 6" ICAT Dedicated LED for EM  
**NHIC-6LMRAT/4W** 6" ICAT Dedicated LED for LE4  
**NHIC-6LMRAT/6WEM** 6" ICAT Ded. LED for LE4+EM  
**NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V

*Includes step-down transformer. Converts 277V to 120V*  
**NFBIC-6LMRAT** 6" ICAT Dedicated LED Fire Box  
**NFBIC-6LMRAT/4W** 6" ICAT Ded. LED Fire Box for LE4  
**NHIC-27LMRAT** 6" Shallow ICAT Dedicated LED  
**NHIC-17QAT** 6" ICAT Line Voltage  
**NFBIC-6INCAT** 6" ICAT Line Voltage Fire Box  
**NHIC-27QAT** 6" Shallow ICAT Line Voltage  
**NH-26Q** 6" Non-IC Line Voltage  
**NHIC-6G24ATFL** 6" ICAT GU24

##### Remodel

**NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED  
**NHRIC-27LMRAT** 6" Shallow Remodel ICAT Ded. LED  
**NHRIC-17QAT** 6" Remodel ICAT Line Voltage  
**NHRIC-27QAT** 6" Shallow Remodel ICAT Line Voltage  
**NHR-26Q** 6" Remodel Line Voltage  
**NHRIC-6G24ATFL** 6" Remodel ICAT GU24



# COBALT ADJUSTABLE SERIES RETROFIT

## 4", 5", 6" RETROFIT 900LM TO 1000LM

**PATENT PENDING**



**NLCBC-469**  
4" Adjustable Reflector  
BB, BZBZ, HZN, HZW, MPW, WW



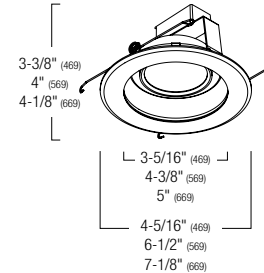
**NLCBC-569**  
5" Adjustable Reflector  
BB, BZBZ, HZN, HZW, MPW, WW



**NLCBC-669**  
6" Adjustable Reflector  
BB, BZBZ, HZN, HZW, MPW, WW



Each Cobalt retrofit includes a medium base socket for easy retrofitting



### COBALT ADJUSTABLE SERIES 4", 5", 6" RETROFIT

APERTURE / LUMENS / WATTAGE	TRIM TYPE	COLOR TEMP	FINISH	DRIVER/DIMMING
<b>NLCBC-4</b> 4" / 900lm / 12W <b>NLCBC-5</b> 5" / 1000lm / 14W <b>NLCBC-6</b> 6" / 1000lm / 14W  <small>units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.</small>	69 Adjustable Reflector	<b>27X</b> 2700K <b>30X</b> 3000K <b>35X</b> 3500K <b>40X</b> 4000K	<b>BB</b> Black with Black Flange <b>BZBZ</b> Bronze with Bronze Flange <b>HZN</b> Haze with Natural Metal Flange <b>HZW</b> Haze with White Flange <b>MPW</b> Matte Powder White <b>WW</b> White with White Flange	<b>(blank)</b> 120V Triac / ELV <b>EM</b> Remote Emergency <small>(requires Nora EM housing)</small>
<b>NLCBC-4</b> 4" / 900lm / 12W <b>NLCBC-6</b> 6" / 1000lm / 14W	69 Adjustable Reflector	<b>30X</b> 3000K <b>35X</b> 3500K	<b>HZW</b> Haze with White Flange <b>WW</b> White with White Flange	<b>LE4</b> 120V 0-10V / Triac; 277V 0-10V <small>(requires Nora 4W housing)</small> <b>LE4EM</b> LE4 w/ Remote Emergency <small>(requires Nora 6WEM housing)</small>

Example: **NLCBC-46935XWW** - 4" Adjustable Retrofit, 3500K, White Reflector with White Flange.

Nora Lighting's LED Cobalt Adjustable luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The patent pending design rotates and adjusts while never exposing an opening or breaking the ceiling plane. The units provide 900 or 1000 Lumen output and rendering 90+ CRI. Cobalt LEDs integrate the latest from the Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. Excellent for wall washing, accenting and slope ceiling applications.

#### ELECTRICAL:

**Voltage:** 120V or 120-277V  
**Lumens / Wattage:** 900lm / 12W (4")  
 1000lm / 14W (5" and 6")  
**Color Rendering Index:** 90+ CRI  
**Operating Temperature:** 0°C~25°C  
**Dimming:** Triac, ELV or 0-10V

#### RETROFIT:

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

**INSTALLATION:** Friction Blades (4", 5") or Torsion Springs (6").

**CONSTRUCTION:** Aluminum spun reflector with deep set diffused lens.

**ADJUSTABILITY:** 358° rotate and 30° tilt.

**OPTICS:** Spot (included), Medium (included) and Flood optic (installed).

**LENS:** Frosted (installed) and semi-frosted (included).

#### LISTING & WARRANTY:

- cULus Classified for Damp Location
- UL Classified for use with most manufacturers IC and Non-IC housings
- WSEC ASTM E283 for Air-Tight (with IC Housing)
- RoHS compliant
- Can be used to comply with 2016 Title 24 – part 6 High Efficacy LED light source requirements
- ENERGY STAR certified
- 5-Year Limited Warranty



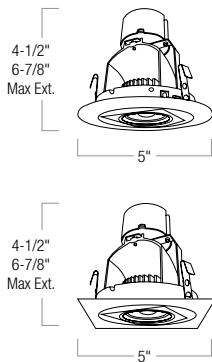
#### COMPATIBLE HOUSINGS:

- 4" Housings  
**NHIC-4LMRAT**  
**NHIC-4LMRAT/EM**  
**NHIC-4LMRAT/4W**  
**NHIC-4LMRAT/6WEM**  
**NFBIC-4LMRAT**  
**NFBIC-4LMRAT/4W**  
**NSIC-401QAT**  
**NFBIC-4INCAT**  
**NS-401QAT**  
**NHIC-4G24AT**
- 5" Housings  
**NHIC-5LMRAT**  
**NHIC-5LMRAT/EM**  
**NFBIC-5LMRAT**  
**NHIC-527LMRAT**  
**NHIC-501QAT**  
**NFBIC-5INCAT**  
**NHIC-527QAT**  
**NH-501Q**  
**NHIC-5G24ATFL**
- 6" Housings  
**NHRIC-5LMRAT**  
**NHRIC-527LMRAT**  
**NHRIC-504QAT**  
**NHRIC-527QAT**  
**NHR-504Q**  
**NHRIC-5G24ATFL**  
**NHIC-6LMRAT**  
**NHIC-6LMRAT/EM**  
**NHIC-6LMRAT/4W**  
**NHIC-6LMRAT/6WEM**  
**NFBIC-6LMRAT**  
**NFBIC-6LMRAT/4W**  
**NHIC-27LMRAT**  
**NHIC-17QAT**  
**NFBIC-6INCAT**  
**NHIC-27QAT**  
**NH-26Q**  
**NHIC-6G24ATFL**  
**NHRIC-6LMRAT**  
**NHRIC-27LMRAT**  
**NHRIC-17QAT**  
**NHRIC-27QAT**  
**NHR-26Q**  
**NHRIC-6G24ATFL**

# RETROFIT COBALT ADJUSTABLE SERIES

## 1000LM 4" RETROFIT

PATENT PENDING



**NLCBC-470**  
4" Round Adjustable Elbow  
BB, BZ, MPW, N, W



**NLCBC-4870**  
4" Square Adjustable Elbow  
BB, BZ, MPW, N, W

### COBALT ADJUSTABLE ELBOW SERIES 4" RETROFIT

SERIES / APERTURE	TRIM TYPE	COLOR TEMP	FINISH	DRIVER/DIMMING
<b>NLCBC-4 4"</b> <small>units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.</small>	<b>70</b> Round Adjustable Elbow <b>870</b> Square Adjustable Elbow	<b>27X</b> 2700K <b>30X</b> 3000K <b>35X</b> 3500K <b>40X</b> 4000K	<b>B</b> Matte Black <b>BZ</b> Bronze <b>MPW</b> Matte Powder White <b>N</b> Natural Metal <b>W</b> White	<b>(blank)</b> 120V Triac / ELV <b>EM</b> Remote Emergency <small>(requires Nora EM housing)</small>

Example: **NLCBC-47030XB** - 4" Round Adjustable Elbow Retrofit, 3000K, Black Finish.

Nora Lighting's LED Cobalt Adjustable Elbow luminaires are cULus classified for use in existing IC or non-IC housings manufactured by Nora and others. The luminaires produce 1000 lumens at 90+ CRI. The Cobalt series integrates a Cree® COB family of LED arrays, giving bright spectacular light output and low power consumption. The adjustable elbow allows for greater aiming flexibility with 358° rotate and 90° tilt adjustment.

#### ELECTRICAL:

**Voltage:** 120VAC  
**Lumens:** 1000lm / 13W  
**Color Temperature:** 2700K, 3000K, 3500K or 4000K  
**Color Rendering Index:** 90+ CRI  
**Operating Temperature:** 0°C~25°C  
**Dimming:** Triac / ELV

**INSTALLATION:** Friction Blades.

**CONSTRUCTION:** Cast aluminum.

**ADJUSTABILITY:** 358° rotate and 90° tilt.

**OPTICS:** Spot (included) and Narrow Flood optic (installed) are changeable from the front of the fixture

#### LISTING & WARRANTY:

- cULus Classified for Damp Location when used with compatible frame-in
- Can be used to comply with 2016 Title 24 – part 6 High Efficacy LED light source requirements
- 5-Year Limited Warranty



#### COMPATIBLE HOUSINGS:

##### New Construction

**NHIC-4LMRAT** 4" ICAT Dedicated LED  
**NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V  
**NHIC-4LMRAT/EM** 4" ICAT Dedicated LED for EM  
**NFBIC-4LMRAT** 4" ICAT Dedicated LED Fire Box  
**NSIC-401QAT** 4" ICAT Line Voltage  
**NS-401QAT** 4" AT Line Voltage  
**NHIC-4G24AT** 4" ICAT GU24

##### Remodel

**NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED  
**NSRIC-404QAT** 4" Remodel ICAT Line Voltage  
**NSR-404QAT** 4" Remodel AT Line Voltage  
**NHRIC-4G24AT** 4" Remodel ICAT GU24





# Onyx Series

## 4", 5"/6" APERTURE LED DOWNLIGHT



### Quick Connects

Easily connect the LED Retrofit to an existing or new housing. Also works with Nora Dedicated housings

### 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

### Deep Set Diffused Lens

for visual comfort and low aperture brightness

included

### Medium Screw Base

Optional GU24 adapter available (NRA-212SM)

### cULus Listed

**Wet Location** Reflector, Baffle & Square

**Damp Location** Adjustable

### UL Classified

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

### Adjustable

4" – 18°  
5"/6" – 40°

### Reflector or Baffle

Self-Flanged Spun Aluminum

### Apertures

3-3/4" and 5-1/4"

### Samsung LEDs

2700K, 3000K, 3500K, 4000K, 5000K  
90+ CRI  
Up to 1200lm output

Onyx LED Retrofit Series is an economical and quality luminaire compatible with existing new construction or remodel housings. Supported by Nora's world class service, the Onyx is an excellent residential and commercial solution for energy efficient LED lighting. cULus listed for wet location and ENERGY STAR certified, the Onyx produces 650 (4") and 750 (5"/6") lumens at 90+ CRI using Samsung LEDs.

### FEATURES

- 5-Year limited warranty
- 4" - 650lm / 10W or 900lm / 14.5W
- 5"/6" - 750lm / 12W or 1200lm / 17.5W
- Deep-set optics
- 90+ CRI
- 2700K, 3000K, 3500K 4000K or 5000K
- Baffle, Reflector or Adjustable styles
- White finish
- Includes Medium Base socket for easy retrofitting
- Small disconnect compatible with most dedicated housing by others
- ENERGY STAR certified
- cULus classified for Wet location
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements

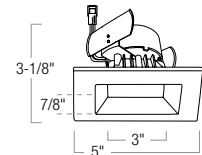
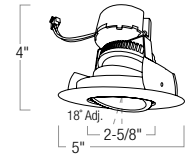
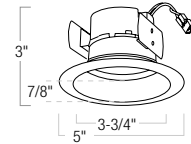


# ONYX SERIES RETROFIT

## 4" RETROFIT 650LM OR 900LM



Each Onyx retrofit includes a medium base socket for easy retrofitting



**NOX-431WW**  
4" Round Reflector  
WW



**NOX-432WW**  
4" Round Baffle  
WW



**NOX-434WW**  
4" Round Adjustable  
WW



**NOX-436WW**  
4" Square Reflector  
WW

### ONYX SERIES 4" RETROFIT

SERIES / APERTURE	TRIM TYPE	COLOR TEMP	FINISH	LUMENS / WATTAGE
<b>NOX-4 4"</b> <i>Units are cULus classified for use with Nora dedicated housings and housings by others. Each unit ships with a medium base socket kit for retrofitting.</i>	<b>31</b> Round Reflector	<b>27</b> 2700K	<b>WW</b> White with White Flange	<b>(blank)</b> 650lm / 10.5W <b>/9</b> 900lm / 14.5W (not available with NOX-434)
	<b>32</b> Round Baffle	<b>30</b> 3000K		
	<b>34</b> Round Adjustable	<b>35*</b> 3500K		
	<b>36</b> Square Reflector	<b>40</b> 4000K		
		<b>50*</b> 5000K		

Example: **NOX-43130WW** - 4" Retrofit Reflector, 3000K, White Reflector and White Flange.

\* 3500K & 5000K Color Temp available on NOX-431 Reflector and NOX-432 Baffle trim only.

4" Onyx retrofit series is cULus classified for use in existing 4" IC or non-IC housings manufactured by Nora and others. The units produce up to 900lm output, drawing 14W and rendering 90+CRI. LEDs integrate the latest from the Samsung family of LED arrays, giving bright spectacular light output and low power consumption. An obvious and smart choice for green energy-efficient lighting in commercial and residential applications.

#### ELECTRICAL:

**Voltage:** 120VAC

**Lumens / Wattage:**

650lm / 10.5W or 900lm / 14.5W

**Color Temperature:**

2700K, 3000K, 3500K, 4000K or 5000K

**Color Rendering Index:** 90+ CRI

**Dimming:** 5% with electronic low voltage dimmer or 10% with 2-wire dimmer

#### RETROFIT:

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

**MOUNTING:** Two steel, spring mounting blades allow for easy and secure mounting in most 4" housings.

**CONSTRUCTION:** One piece, die-cast aluminum construction dissipates heat and extends life. Unitized Thermal Management, UTM, provides exceptional cool operation.

#### ACCESSORIES:

**NOX-4EYELIDW** - Round eyelid used to convert round reflector or baffle to half moon wall wash trim.

**NOX-40R-W** - Round oversize ring used to cover ceiling cut-outs up to 6".

#### LISTING & WARRANTY:

- cULus Classified for Wet Location (NOX-434 is rated for damp location)
- UL Classified for use with most manufacturers IC and non-IC housings
- WSEC ASTM E283 for Air-Tight (with IC Housing)
- ENERGY STAR certified
- ROHS compliant
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty

#### COMPATIBLE HOUSINGS:

##### New Construction

**NHIC-4LMRAT** 4" ICAT Dedicated LED

**NHIC-4LMRAT/277** 4" ICAT Dedicated LED, 277V

**NFBIC-4LMRAT** 4" ICAT Dedicated LED Fire Box

**NHIC-427LMRAT** 4" ICAT Shallow Dedicated LED

*Note: NHIC-427LMRAT is not compatible with NOX-434*

**NSIC-401QAT** 4" ICAT Line Voltage

**NFBIC-4INCAT** 4" ICAT Line Voltage Fire Box

**NS-401QAT** 4" AT Line Voltage

**NHIC-4G24AT** 4" ICAT GU24<sup>1</sup>

##### Remodel

**NHRIC-4LMRAT** 4" Remodel ICAT Dedicated LED

**NHRIC-427LMRAT** 4" Shallow Remodel ICAT Ded. LED

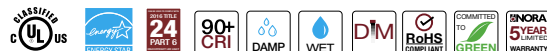
*Note: NHRIC-427LMRAT is not compatible with NOX-434*

**NSRIC-404QAT** 4" Remodel ICAT Line Voltage

**NSR-404QAT** 4" Remodel AT Line Voltage

**NHRIC-4G24AT** 4" Remodel ICAT GU24<sup>1</sup>

<sup>1</sup>Requires **NRA-212SM** - GU24 adaptor

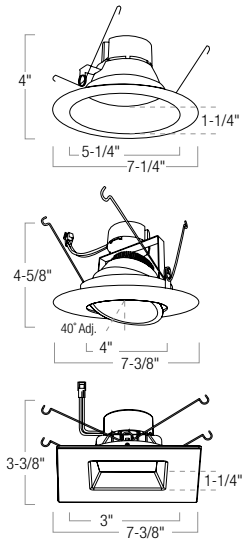




Each Onyx retrofit includes a medium base socket for easy retrofitting

# RETROFIT ONYX SERIES

## 750LM OR 1200LM 5"/6" RETROFIT



**NOX-5631WW**  
5"/6" Round Reflector  
WW

**NOX-5632WW**  
5"/6" Round Baffle  
WW

**NOX-5634WW**  
5"/6" Round Adjustable  
WW

**NOX-636WW**  
6" Square Reflector  
WW

### ONYX SERIES 5"/6" RETROFIT

SERIES / APERTURE	TRIM TYPE	COLOR TEMP	FINISH	LUMENS / WATTAGE
<b>NOX-56</b> 5"/6" <i>Units are cULus classified for use with most 5" or 6" housings by Nora or others. Each unit ships with a medium base socket kit for retrofitting.</i>	<b>31</b> Round Reflector	<b>27</b> 2700K	<b>WW</b> White with White Flange	<b>(blank)</b> 750lm / 12W /12 1200lm / 17.5W (not available w/NOX-5634)
	<b>32</b> Round Baffle	<b>30</b> 3000K		
	<b>34</b> Round Adjustable	<b>35*</b> 3500K		
		<b>40</b> 4000K		
<b>NOX-6</b> 6" <i>Retrofit for most 6" housings by Nora or others</i>	<b>36</b> Square Reflector	<b>50*</b> 5000K		

Example: **NOX-563230WW** - 5"/6" Retrofit Baffle, 3000K, White Baffle and White Flange.

\* 3500K & 5000K Color Temp available on NOX-5631 Reflector and NOX-5632 Baffle trim only.

5"/6" Onyx retrofit series is cULus listed for use in existing 5" and 6" IC or non-IC housings manufactured by Nora and others. The units produce up to 1200lm output, drawing 17W and rendering 90+CRI. LEDs integrate the latest from the Samsung family of LED arrays, giving bright spectacular light output and low power consumption. An obvious and smart choice for green energy-efficient lighting in commercial and residential applications.

#### ELECTRICAL:

**Voltage:** 120VAC  
**Lumens / Wattage:** 750lm / 12W or 1200lm / 17.5W  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K or 5000K

**Color Rendering Index:** 90+ CRI  
**Dimming:** 5% with electronic low voltage dimmer or 10% with 2-wire dimmer

#### RETROFIT:

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

**MOUNTING:** Torsion springs on adjustable holders allow for easy and secure mounting in most 5" and 6" housings (NOX-636 only fits 6" housings).

**CONSTRUCTION:** One piece, die-cast aluminum construction dissipates heat and extends life. Utilized Thermal Management, UTM, provides exceptional cool operation.

#### ACCESSORIES:

**NOX-56EYELIDW** - Round eyelid used to convert round reflector or baffle to half moon wall wash trim.  
**NOX-56OR-W** - Round oversize ring used to cover ceiling cut-outs up to 8-1/4".

#### LISTING & WARRANTY:

- cULus Listed for Wet Location (NOX-5634 is rated for damp location)
- UL Classified for use with most manufacturers IC and non-IC housings
- WSEC ASTM E283 for Air-Tight (with IC Housing)
- ENERGY STAR certified
- ROHS compliant
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- 5 Year Limited Warranty

#### COMPATIBLE HOUSINGS:

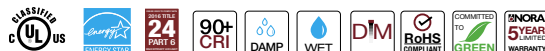
##### New Construction

- NHIC-5LMRAT** 5" ICAT Dedicated LED
- NHIC-5LMRAT/277** 5" ICAT Dedicated LED, 277V
- NFBIC-5LMRAT** 5" ICAT Dedicated LED Fire Box
- NHIC-527LMRAT** 5" Shallow ICAT Dedicated LED
- NHIC-501QAT** 5" ICAT Line Voltage
- NFBIC-5INCAT** 5" ICAT Line Voltage Fire Box
- NH-501Q** 5" Line Voltage
- NHIC-527QAT** 5" Shallow ICAT Line Voltage
- NHIC-5G24ATFL** 5" ICAT GU24 (requires NRA-212SM)

- NHIC-6LMRAT** 6" ICAT Dedicated LED
- NHIC-6LMRAT/277** 6" ICAT Dedicated LED, 277V
- NFBIC-6LMRAT** 6" ICAT Dedicated LED Fire Box
- NHIC-27LMRAT** 6" Shallow ICAT Dedicated LED
- NHIC-17QAT** 6" ICAT Line Voltage
- NHIC-17QNBAT** 6" ICAT Line Voltage (No Bracket)
- NFBIC-6INCAT** 6" ICAT Line Voltage Fire Box
- NH-26Q** 6" Line Voltage
- NH-26QNB** 6" Line Voltage (No Bracket)
- NHIC-6G24ATFL** 6" ICAT GU24 (requires NRA-212SM)

##### Remodel

- NHRIC-5LMRAT** 5" Remodel ICAT Dedicated LED
- NHRIC-504QAT** 5" Remodel ICAT Line Voltage
- NHRIC-504QAT** 5" Shallow Remodel ICAT Line Voltage
- NHR-504Q** 5" Remodel Line Voltage
- NHRIC-5G24ATFL** 5" Remodel ICAT GU24 (req. NRA-212SM)
- NHRIC-6LMRAT** 6" Remodel ICAT Dedicated LED
- NHRIC-27LMRAT** 6" Shallow Remodel ICAT Dedicated LED
- NHRIC-17QAT** 6" Remodel ICAT Line Voltage
- NHRIC-17QNBAT** 6" Remodel ICAT Line Volt (No Bracket)
- NHRIC-27QAT** 6" Shallow Remodel ICAT Line Voltage
- NHR-26Q** 6" Remodel Line Voltage
- NHRIC-6G24ATFL** 6" Remodel ICAT GU24 (req. NRA-212SM)



# DEDICATED LED HOUSINGS

## 4", 5" & 6" NEW CONSTRUCTION



All housings include a quick connect for easy installation



**NHIC-4LMRAT**  
4" ICAT



**NHIC-5LMRAT**  
5" ICAT



**NHIC-6LMRAT/277EM**  
6" ICAT - 277V step down  
w/ Emergency for Cobalt



**NHIC-427LMRAT**  
4" Shallow ICAT



**NHIC-527LMRAT**  
5" Shallow ICAT



**NHIC-27LMRAT**  
6" Shallow ICAT

### NEW CONSTRUCTION 4", 5" & 6" DEDICATED LED HOUSINGS

SERIES / APERTURE	OPTIONS FOR COBALT, PRISM, ONYX, MARQUISE AND NIR IOLITE
<b>NHIC-4LMRAT</b> 4" IC Air-Tight New Construction Housing	<b>(blank)</b> 120V input
<b>NHIC-427LMRAT</b> 4" Shallow IC Air-Tight New Construction Housing	<b>/277</b> 277V input with step down transformer
<b>NHIC-5LMRAT</b> 5" IC Air-Tight New Construction Housing	OPTIONS FOR COBALT ONLY
<b>NHIC-527LMRAT</b> 5" Shallow IC Air-Tight New Construction Housing	<b>/EM</b> 120V input with Emergency (requires Cobalt with EM)
<b>NHIC-6LMRAT</b> 6" IC Air-Tight New Construction Housing	<b>/277EM</b> 277V input with step down transformer & Emergency (requires Cobalt with EM)
<b>NHIC-27LMRAT</b> 6" Shallow IC Air-Tight New Construction Housing	<b>/4W</b> 120/277V input; 120V Triac or 0-10V or 277V 0-10V dimming (requires Cobalt with LE4)
	<b>/6WEM</b> 120/277V input; 120V Triac or 0-10V or 277V 0-10V dimming & Emergency (requires Cobalt with LE4EM)

Example: **NHIC-6LMRAT/277** - 6" IC Air-Tight New Construction Housing, 277V input with step down transformer

Dedicated new construction housings for use with retrofit downlights. Housings are rated for use in insulated ceilings and can be in direct contact with insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling.

**CONSTRUCTION:** High quality steel die cut one piece frame. Bar hanger brackets on all four sides provide two possible positions for installations.



**NFBIC Series**  
4", 5" & 6" Fire Rated

**INSTALLATION:** IC rated for direct contact with thermal insulation. Factory installed gaskets to restrict airflow from room into ceiling plenum in accordance with ASTM-283 Air-Tight requirements. Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on frame. "L" shaped bar hanger foot to align to bottom of construction joist. A T-Bar notch allow for easy installation in a suspended ceiling.

**LISTINGS:**

- cULus Listed for Damp location (Wet Location listed with designated reflectors)
- WSEC ASTM E283 for Air-Tight



**COMPATIBLE REFLECTORS:**

- 4" New Construction Housings**
- NIR-4 Series** 4" Iolite Retrofit Series
- NLPR-4** 4" PRISM Retrofit Series
- NLCBC-4** 4" Cobalt Retrofit Series
- NLCBC2-4** 4" Cobalt Retrofit Series
- NOX-4** 4" Onyx Retrofit Series

Note: NHIC-427LMRAT is not compatible with NOX-434

- 5" New Construction Housings**
- NRMC-5 Series** 5" Marquise I Retrofit Series
- NRMC2-5 Series** 5" Marquise II Retrofit Series
- NLPR-56** 5"/6" PRISM Retrofit Series
- NLCBC-5** 5" Cobalt Retrofit Series
- NLCBC2-5** 5" Cobalt Retrofit Series
- NOX-56** 5"/6" Onyx Retrofit Series

- 6" New Construction Housings**
- NRMC-6 Series** 6" Marquise I Retrofit Series
- NRMC2-6 Series** 6" Marquise II Retrofit Series
- NLPR-56** 5"/6" PRISM Retrofit Series
- NLCBC-6** 6" Cobalt Retrofit Series
- NLCBC2-6** 6" Cobalt Retrofit Series
- NOX-56** 5"/6" Onyx Retrofit Series
- NOX-6** 6" Onyx Retrofit Series

### FIRE RATED 4", 5" & 6" DEDICATED LED HOUSINGS

SERIES / APERTURE
<b>NFBIC-4LMRAT</b> 4" IC Air-Tight 2 Hour Fire Rated Housing
<b>NFBIC-5LMRAT</b> 5" IC Air-Tight 2 Hour Fire Rated Housing
<b>NFBIC-6LMRAT</b> 6" IC Air-Tight 2 Hour Fire Rated Housing



# DEDICATED LED HOUSINGS

## 4", 5" & 6" REMODEL



All housings include a quick connect for easy installation



**NHRIC-4LMRAT**  
4" ICAT



**NHRIC-5LMRAT**  
5" ICAT



**NHRIC-6LMRAT**  
6" ICAT



**NHRIC-427LMRAT**  
4" Shallow ICAT



**NHRIC-527LMRAT**  
5" Shallow ICAT



**NHRIC-27LMRAT**  
6" Shallow ICAT

### REMODEL 4", 5" & 6" DEDICATED LED HOUSINGS

SERIES / APERTURE	OPTIONS FOR COBALT, PRISM, ONYX, MARQUISE AND NIR IOLITE
<b>NHRIC-4LMRAT</b> 4" IC Air-Tight Remodel Housing	<b>(blank)</b> 120V input
<b>NHRIC-427LMRAT</b> 4" Shallow IC Air-Tight Remodel Housing	<b>/277</b> 277V input with step down transformer
<b>NHRIC-5LMRAT</b> 5" IC Air-Tight Remodel Housing	<b>OPTIONS FOR COBALT ONLY</b>
<b>NHRIC-527LMRAT</b> 5" Shallow IC Air-Tight Remodel Housing	<b>/4W</b> 120/277V input; 120V Triac or 0-10V or 277V 0-10V dimming (requires Cobalt with LE4)
<b>NHRIC-6LMRAT</b> 6" IC Air-Tight Remodel Housing	<b>/6WEM</b> 120/277V input; 120V Triac or 0-10V or 277V 0-10V dimming & Emergency (requires Cobalt with LE4EM)
<b>NHRIC-27LMRAT</b> 6" Shallow IC Air-Tight Remodel Housing	

Example: **NHRIC-6LMRAT/277** - 6" IC Air-Tight New Construction Housing, 277V input with step down transformer

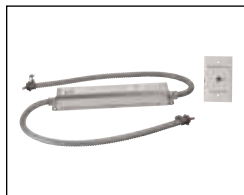
Dedicated remodel housings for use with retrofit downlights. Housings are rated for use in insulated ceilings and can be in direct contact with insulation. Air-tight construction provides energy savings by reducing the flow of air through the ceiling.

**CONSTRUCTION:** High quality aluminum housing with steel springs on sides to hold housing secure against ceiling.

**INSTALLATION:** IC rated for direct contact with thermal insulation. Factory installed gaskets to restrict airflow from room into ceiling plenum in accordance with ASTM-283 Air-Tight requirements. Housings include four high tension tempered steel springs to secure remodel housing to ceiling.

**LISTINGS:**

- cULus Listed for Damp location (Wet Location listed with designated reflectors)
- WSEC ASTM E283 for Air-Tight



**ACCESSORY:**

**NEPK-BSL17C-C2U**

Emergency battery backup with remote test switch. 90 minute illumination time.

**COMPATIBLE REFLECTORS:**

**4" New Construction Housings**

- NIR-4 Series** 4" Iolite Retrofit Series
- NLPR-4** 4" PRISM Retrofit Series
- NLCBC-4** 4" Cobalt Retrofit Series
- NLCBC2-4** 4" Cobalt Retrofit Series
- NOX-4** 4" Onyx Retrofit Series

Note: **NHRIC-427LMRAT** is not compatible with **NOX-434**

**5" New Construction Housings**

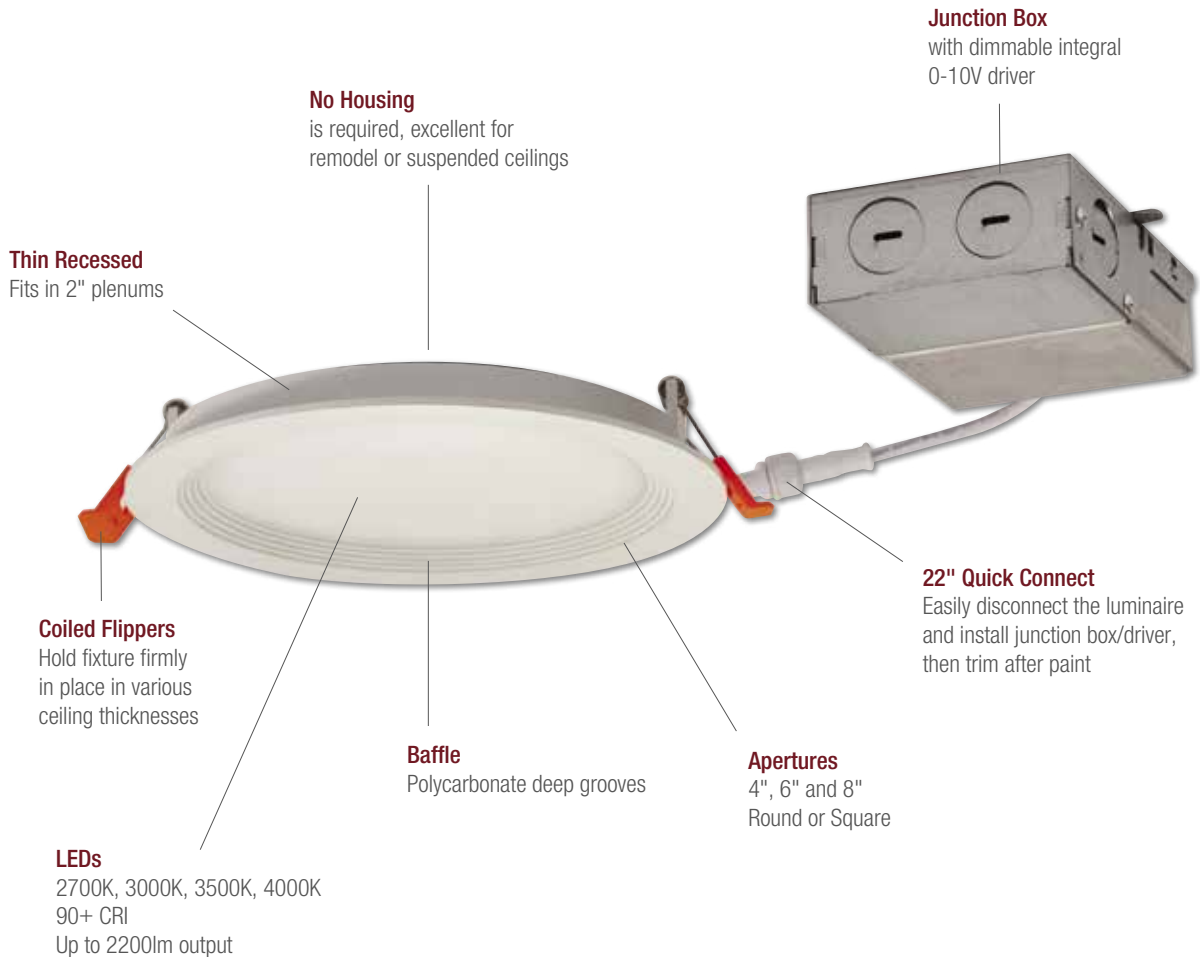
- NRMC-5 Series** 5" Marquise I Retrofit Series
- NRMC2-5 Series** 5" Marquise II Retrofit Series
- NLPR-56** 5"/6" PRISM Retrofit Series
- NLCBC-5** 5" Cobalt Retrofit Series
- NLCBC2-5** 5" Cobalt Retrofit Series
- NOX-56** 5"/6" Onyx Retrofit Series

**6" New Construction Housings**

- NRMC-6 Series** 6" Marquise I Retrofit Series
- NRMC2-6 Series** 6" Marquise II Retrofit Series
- NLPR-56** 5"/6" PRISM Retrofit Series
- NLCBC-6** 6" Cobalt Retrofit Series
- NLCBC2-6** 6" Cobalt Retrofit Series
- NOX-56** 5"/6" Onyx Retrofit Series
- NOX-6** 6" Onyx Retrofit Series

# FLIN Series

4", 6" OR 8" THIN REGRESSED RECESSED



The FLIN Series features a thin regressed recessed light that can be installed in ceiling plenums measuring as little as 2". FLIN uses universal coiled flippers that holds the fixture firmly in place in various ceiling thicknesses. It is excellent for remodel work and suspended ceilings. Requiring no housing, the FLIN saves time and money. For new construction frame, use FLIN rough-in plates. Regressed baffle provides visual comfort and the appearance of a deep recessed fixture.

## FEATURES

- Thin (fits in 2" plenums)
- Universal coiled flippers
- IC and Air-Tight Listed
- 4", 6" and 8" apertures
- Square and Round Baffled Trims
- 2700K, 3000K, 3500K or 4000K CCT
- 720 to 2200 lumens
- White finish
- 90+ CRI
- Dimmable
- 22" flexible junction box to fixture connector
- ENERGY STAR certified
- cULus Listed for Wet location
- Easy disconnect (rough-in junction box/driver and trim out after paint)
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements



# COMMERCIAL AND RESIDENTIAL **FLIN SERIES**

## 720LM TO 2200LM 4", 6", 8" THIN RECESSED



**NFLIN-R407 / NFLIN-S407**  
4" Round / 4" Square

**NFLIN-R610 / NFLIN-S610**  
6" Round / 6" Square

**NFLIN-R815 / NFLIN-S815**  
8" Round / 8" Square

**NFLIN-R822 / NFLIN-S822**  
8" Round / 8" Square High Lumen

### FLIN SERIES 4", 6", 8" THIN RECESSED

SIZE / LUMENS / WATTAGE / THICKNESS	COLOR TEMP	FINISH	VOLTAGE
<b>NFLIN-R407</b> 4" Round / 740lm / 12W / 0.65" thick	<b>27</b> 2700K	<b>WW</b> White with White Flange	<b>LE3</b> 120V input; Triac / ELV dimming
<b>NFLIN-S407</b> 4" Square / 720lm / 12W / 0.65" thick	<b>30</b> 3000K		
<b>NFLIN-R610</b> 6" Round / 1150lm / 16W / 0.65" thick	<b>35</b> 3500K		
<b>NFLIN-S610</b> 6" Square / 1050lm / 16W / 0.65" thick	<b>40</b> 4000K		
<b>NFLIN-R815</b> 8" Round / 1550lm / 20W / 0.65" thick	<b>30</b> 3000K	<b>WW</b> White with White Flange	<b>LE3</b> 120V input; Triac / ELV dimming
<b>NFLIN-S815</b> 8" Square / 1330lm / 20W / 0.65" thick	<b>35</b> 3500K		
	<b>40</b> 4000K		
	<b>50</b> 5000K		
<b>NFLIN-R822</b> 8" Round / 2350lm / 33W / 1.65" thick	<b>30</b> 3000K	<b>WW</b> White with White Flange	<b>LE4</b> 120 / 277V input; Triac / ELV dimming
<b>NFLIN-S822</b> 8" Square / 2200lm / 33W / 1.65" thick	<b>35</b> 3500K		
	<b>40</b> 4000K		
	<b>50</b> 5000K		

Example: **NFLIN-R61030WWLE3** - Round 6" / 1150lm / 16W, 3000K, White Baffle and Flange, 120V input; Triac / ELV dimming

Thin, regressed LED recessed luminaire designed for easy installation in new construction or remodel applications. FLIN includes a quick connect that allows the junction box to easily disconnect and mount in the ceiling. Junction box measures under 2" for shallow plenum ceilings where access above the ceiling is limited. The regressed lens with sharp baffle cuts reduces aperture brightness.

#### ELECTRICAL:

**Voltage:** 120V or 120/277V

**Lumens / Wattage:** See order matrix above

**R407** = 740lm / 12W; **S407** = 720lm / 12W;

**R610** = 1150lm / 16W; **S610** = 1050lm / 16W;

**R815** = 1550lm / 20W; **R815** = 1330lm / 20W;

**R822** = 2350lm / 33W; **S822** = 2200lm / 33W

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

**Color Rendering Index:** 90+ CRI

**Dimming:** Triac / ELV

**CONSTRUCTION:** Thin construction measures 0.65" in height (8" LE4 measures 1.65" thick).

**LENS:** Regressed lens with sharp baffle cuts reduces aperture brightness.

**JUNCTION BOX:** Prewired junction box includes quick connect to LED fixture for ease of installation. Junction box includes quick connect from fixture. Connectors total length is 22".

**MOUNTING:** No housing is required, two universal coiled flippers secure luminaire to ceiling. New construction frame-in kits are available, see accessories.

#### MINIMUM CLEARANCES:

IC Air-Tight rated for direct contact with thermal insulation; no minimum clearance is required

#### FRAME-IN KIT:

Luminaires can be installed in new constructions applications with frame-in kits.

**NFLIN-4R-F:** 4" Round Frame-In Kit

**NFLIN-4S-F:** 4" Square Frame-In Kit

**NFLIN-6R-F:** 6" Round Frame-In Kit

**NFLIN-6S-F:** 6" Square Frame-In Kit

**NFLIN-8R-F:** 8" Round Frame-In Kit

**NFLIN-8S-F:** 8" Square Frame-In Kit

#### LISTING & WARRANTY:

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



# Opal Series

4", 6" OR 8" SURFACE MOUNT



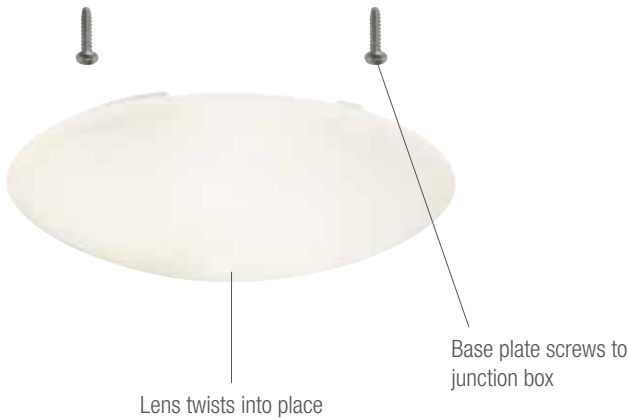
Opal installs into a junction box or recessed housing

## Simple Installation for Retrofit or New Construction

### **SURFACE** INSTALLATION INTO JUNCTION BOX

1. Twist lens clockwise to remove lens.
2. Wire Opal using included wire nuts.
3. Use key-hole slots to screw Opal into place.
4. Replace lens and twist counter clockwise to secure.

Wire lead wires with included wire nuts



Lens twists into place

Base plate screws to junction box

### **RECESSED** INSTALLATION INTO HOUSING

1. For retrofit applications, remove existing trim and lamp.
2. Attach torsion springs to Opal (optional).
3. Screw in medium socket and connect.
4. Pinch torsions springs into holders on housing and gently move Opal into place, secure against the ceiling.

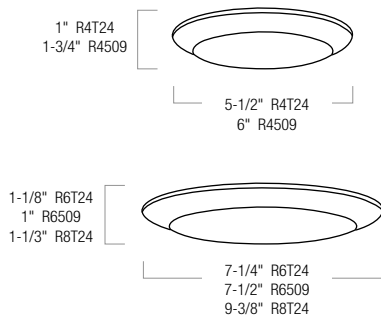


Install into 5" or 6" recessed housing using optional kit





# RETROFIT AND DEDICATED AC OPAL SERIES 650LM TO 2000LM SURFACE MOUNT



NLOPAC-R4T24 <sup>24</sup> / NLOPAC-R6T24 <sup>24</sup>  
/ NLOPAC-R8T24 <sup>24</sup>

NLOPAC-R4509 / NLOPAC-R6509

## AC OPAL SERIES 4", 6", 8" SURFACE MOUNT

SERIES / LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NLOPAC-R4509</b> 4" / 650lm / 10.5W	<b>27A</b> 2700K	<b>BZ</b> Bronze
<b>NLOPAC-R6509</b> 6" / 1050lm / 15W	<b>30A</b> 3000K	<b>NM</b> Natural Metal
	<b>40A</b> 4000K	<b>W</b> White
	<b>50A</b> 5000K*	
<sup>24</sup> <b>NLOPAC-R4T24</b> <sup>1</sup> 4" / 850lm / 13W	<b>27</b> 2700K	
<sup>24</sup> <b>NLOPAC-R6T24</b> <sup>1</sup> 6" / 1050lm / 16W	<b>30</b> 3000K	
<sup>24</sup> <b>NLOPAC-R8T24</b> <sup>1</sup> 8" / 2000lm / 30W	<b>40</b> 4000K	

Example: **NLOPAC-R650930AW** - 6" AC Opal Surface Mount, 1050lm / 15W, 3000K, White Finish

\* Available in White finish only <sup>1</sup> Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements

The AC Opal LED Series LED fixture is designed to surface mount over a standard junction box. The low profile dimmable luminaire produces even illumination and is cULus listed for wet locations. T24 series can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements.

### ELECTRICAL:

Voltage: 120VAC

Lumens / Wattage:

R4509: 650lm / 10.5W, R4T24: 850lm / 13W

R6509: 1050lm / 15W, R6T24: 1050lm / 16W

R8T24: 2000lm / 30W

Color Temperature: 2700K, 3000K, 4000K or 5000K (509 series only)

Color Rendering Index: 90+ CRI

Dimming: Triac / ELV

**CONSTRUCTION:** One piece aluminum die formed housing and trim. Aluminum body dissipates heat and extends life.

**MOUNTING:** AC Opal (no driver) is flat on the back and suitable for installation on most 3" or 4" octagon or round electrical junction boxes. Can be used with 4" (NLOPAC-R4) or 6" (NLOPAC-R6) fire-rated electrical junction boxes.

**LENS:** Nora specified and designed precision molded lens for optimal lumen output and even distribution.

### ACCESSORIES:

**NLOPAC-56RECKIT:** 6" Opal can be mounted on 5" or 6" recessed housing using optional torsion spring kit.

**NLOPAC-4BKT-2:** Universal bracket for mounting 4" & 6" Opal to 3" or 4" junction boxes. Universal bracket is included with R4509 series.

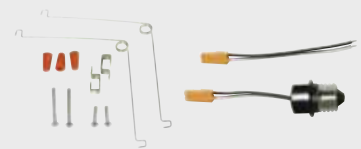
### RATINGS:

IC rated when used with a 4" electrical junction box rated for direct contact with insulation. Fire rated when used with a fire rated junction box.

### LISTING & WARRANTY:

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

## OPTIONAL ACCESSORIES FOR AC OPAL FIXTURE:



**NLOPAC-56RECKIT**  
**TORSION SPRING AND BRACKET KIT**  
For easy retrofitting with 5" or 6" recessed housing.



**NLOPAC-4BKT-2**  
**UNIVERSAL BRACKET**  
For mounting 4" and 6" Opal to 3" or 4" junction boxes. Universal bracket is included with R4509 series.



# Surf Series

4", 6" OR 7" SURFACE MOUNT



The Surf Series is a superior solution for minimalistic surface mounted lighting. The unique light guide and embedded honeycomb lens provides comfortable glare free lighting not found in other surface mounts. Available in round or square with sharp corners and regressed baffle, the Surf provides an architectural look for general lighting applications.

## FEATURES

- Thin 7/8" finished profile
- Glare-free light guide and honeycomb lens
- 650 to 1000 lumens
- 4", 6" and 7" apertures
- Square and Round Baffled Trims
- 2700K, 3000K, 3500K, 4000K or 5000K
- 90+ CRI
- Dimmable
- DC (driver) performance
- ENERGY STAR certified
- cULus Listed for Wet location
- Mounts directly to junction box



# SURF SERIES

## 650LM TO 1000LM 4", 6", 7" SURFACE MOUNT



**NLOS-R42**  
4" Round  
WW



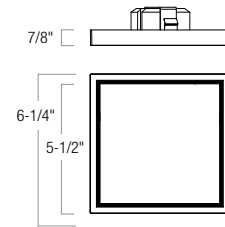
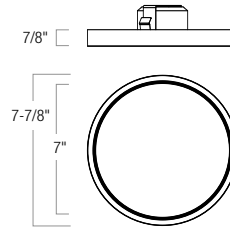
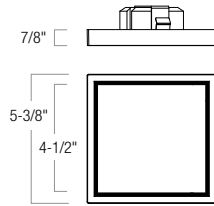
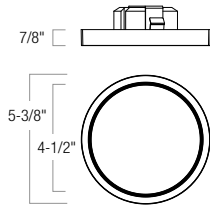
**NLOS-S42**  
4" Square  
WW



**NLOS-R72**  
7" Round  
WW



**NLOS-S62**  
6" Square  
WW



### LED SURF SERIES SURFACE MOUNT

TYPE	APERTURE / LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NLOS-R</b> Round	<b>42L</b> 4" / 650lm / 11W	<b>27</b> 2700K	<b>WW</b> White
	<b>72L</b> 7" / 1000lm / 14W	<b>30</b> 3000K	
<b>NLOS-S</b> Square	<b>42L</b> 4" / 650lm / 11W	<b>35</b> 3500K	
	<b>62L</b> 6" / 900lm / 14W	<b>40</b> 4000K	
		<b>50</b> 5000K	

Example: **NLOS-R42L27WW** - 4" Surf, Round Surface Mount, 650lm / 11W, 3000K, White

The Surf Series is a 7/8" thick fixture with DC driver mounted on the back. Luminaire is surface mounted, but with the appearance of a recessed downlight. The specially designed regressed light guide with embedded honeycomb lens produces even illumination while reducing glare. Series is available in square and round in 4", 6" or 7". Surf mounts easily over a standard or fire rated junction boxes.

#### ELECTRICAL:

**Voltage:** 120V

**Lumens:**

**R42L:** 650lm / 11W    **S42L:** 650lm / 11W

**R72L:** 1000lm / 14W    **S62L:** 900lm / 14W

**Color Temperature:**

2700K, 3000K, 3500K, 4000K or 5000K

**Color Rendering Index:** 90+ CRI

**Dimming:** Triac / ELV

**CONSTRUCTION:** Surface mounted LED edge-lit downlight adopts compact slim and elegant design. The special diffuser can increase central candela intensity by more than 30%, provide soft and comfortable light. 7/8" deep polycarbonate regressed baffle trim.

**LENS:** Nora specified and designed edge-lit regressed light guide with embedded honeycomb lens greatly reduces aperture brightness while evenly distributing light.

**INSTALLATION:** Aluminum backplate attaches to junction box bracket (included) for seamless flush appearance.

#### LISTING & WARRANTY:

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





MULTIPLE LIGHTING SYSTEM



# LED MLS Series

FLANGED · TRIMLESS · PULL-DOWN  
1 TO 3 HEAD(S) / ADJUSTABLE CONFIGURATIONS



ONE HEAD  
FLANGED GIMBAL



TWO HEAD  
TRIMLESS GIMBAL



THREE HEAD  
TRIMLESS PULL DOWN  
(shown with optional flange kit)

Nora Lighting's **LED Multiple Lighting System (MLS)** is a recessed, multi-point lighting system with one, two or three independently adjustable and controlled fixtures in a single ceiling opening. Available in flanged, trimless and pull-down styles in several finishes, MLS is an excellent choice for commercial, hospitality, retail, and gallery applications.

**Flexibility** - Single opening with one, two or three independently adjustable and controlled fixtures.

**Beam Control** - One fixture can provide both flood general lighting and spot accent lighting.

**Light Control** - Light engines can be wired and controlled independently.

**Complete Selection** - Recessed multiples available in a single row with one to three adjustable lights in trimmed, trimless and pull-down styles.

**Lower Construction Cost** - Install a single two or three lamp MLS in lieu of two or three individual fixtures.

**Lower Maintenance Cost** - Multiple lights in a single opening means fewer trips up the ladder, saving time and labor.

**Low Temperature** - Housings are vented on the top for cool operation, extending LED life.

**Lamp Sources** - Energy saving LED. Nora Multiple Lighting Systems are also available in high color rendition Low Voltage, and PAR Halogen Incandescent/LED.

**Finishes** - Flanged fixtures are available in white face, fixtures and white flange, black face and fixtures with white flange, and silver face, fixtures and flange. Trimless fixtures are available in white or black.

**Easy Maintenance** - Driver is easily accessible from below, and does not require top access.

**Custom Capabilities** - Mix sources and trims in the same MLS fixture.



# TRIMLESS PULL-DOWN LED DEDICATED MLS

## 1-3 ADJUSTABLE HEADS 2100LM PER HEAD



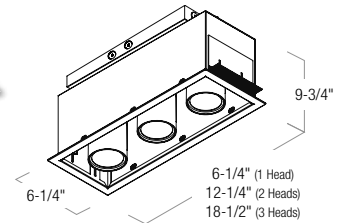
**NMRTLGPD-11**  
One Head  
(shown with optional flange kit)



**NMRTLGPD-12**  
Two Heads  
(shown with optional flange kit)



**NMRTLGPD-13**  
Three Heads



### TRIMLESS PULL-DOWN LED DEDICATED **MULTIPLE** Housing and LED Module(s) included

SERIES / NUMBER OF HEADS	VOLTAGE	LUMENS / WATTAGE PER HEAD	COLOR TEMP	BEAM SPREAD	FINISH
<b>NMRTLGPD-11</b> One Head	<b>D1</b> 120V <b>D2</b> 277V	<b>L20</b> 2100lm / 30W	<b>27</b> 2700K	<b>S</b> Spot <b>F</b> Flood	<b>B</b> Black <b>W</b> White
<b>NMRTLGPD-12</b> Two Heads			<b>30</b> 3000K		
<b>NMRTLGPD-13</b> Three Heads			<b>35</b> 3500K <b>40</b> 4000K		

*Example: **NMRTLGPD-12D1L2035FB** - Trimless Multiple Two-Head LED Pull-Down, 120V input, 2100lm / 30W per head, Flood Beam Spread, Black finish*

Multi-lamp functionality and architectural aesthetics define the LED Pull-Down Multiple Lighting System. This recessed family of fixtures is available in one to three lamp linear configurations and can be installed in new or remodel construction. Each LED module can remain in the housing or be pulled down partially or completely to gain full adjustability in aiming the fixture. The Trimless look blends with the ceiling line with no visible flange. Accessories include a frame for new construction rough-in and a flange kit for applications where trimless does not work.

#### ELECTRICAL:

**Voltage:** 120V or 277V

**Lumens / Wattage:** 2100lm / 30W per head

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

**Color Rendering Index:** 90+ CRI

**Operating Temperature:** 0°C to 45°C

**Dimming:** Triac, ELV or 0-10V

**ADJUSTABILITY:** 359° horizontal and 85° vertical adjustment when fully extended. Each head can be pulled down or adjusted individually.

**INSTALLATION:** The housing can be installed in existing drywall ceilings or can be roughed-in for new construction with optional frame-in. Housing comes standard with mud ring for trimless installation, optional flange kit is available.

#### LISTING & WARRANTY:

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

### TRIMLESS ACCESSORIES



#### New Construction Frame-Ins

**NMRTL-F1** 1-Head Frame for Trimless MLS

**NMRTL-F2** 2-Head Frame for Trimless MLS

**NMRTL-F3** 3-Head Frame for Trimless MLS



#### Flange Kit

*Fixture remains open-faced, but has a flange for applications not requiring a total trimless look.*

**NMRTL-1FK (B/W)** 1-Head Flange Kit for for Trimless MLS (Black or White finish)

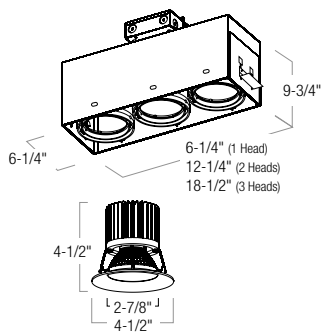
**NMRTL-2FK (B/W)** 2-Head Flange Kit for for Trimless MLS (Black or White finish)

**NMRTL-3FK (B/W)** 3-Head Flange Kit for for Trimless MLS (Black or White finish)



# TRIMLESS GIMBAL LED DEDICATED MLS

## 2100LM PER HEAD 1-3 ADJUSTABLE HEADS



NMRTL-11 / (1) NMRT-652TL  
One Head Housing / (1) Module



NMRTL-12 / (2) NMRT-652TL  
Two Head Housing / (2) Modules



NMRTL-13 / (3) NMRT-652TL  
Three Head Housing / (3) Modules

### TRIMLESS GIMBAL LED DEDICATED MULTIPLE LIGHTING HOUSING *(Requires LED Module(s), sold separately)*

SERIES / NUMBER OF HEADS	VOLTAGE	LUMENS / WATTAGE PER HEAD	FINISH
NMRTL-11 One Head	D1 120V	L19 2100lm / 30W	B Black
NMRTL-12 Two Head	D2 277V		W White
NMRTL-13 Three Head			

Example: **NMRTL-13D1L19W** - Trimless Multiple Three-Head LED Housing, 120V input, White finish *(Requires three LED modules below to complete housing)*

### TRIMLESS GIMBAL LED DEDICATED MULTIPLE LIGHTING MODULE *(Requires Housing, sold separately)*

SERIES / LUMENS / WATTAGE	COLOR TEMP	BEAM SPREAD	FINISH
NMRT-652TL 2100lm / 30W	27 2700K	(blank) 40° Flood	BLK Black
	30 3000K	S 15° Spot	WH White
	35 3500K		
	40 4000K		

Example: **NMRT-652TL35WH** - 2100lm LED Module, 3500K, 40° Flood Beam Spread, White finish *(Specify a quantity of three to complete above three head housing)*

Available in one to three light linear configurations, Trimless Gimbal MLS LED dedicated fixtures offer 2100 lumen output in 2700, 3000, 3500, and 4000K temperatures per module. The fixture is open-faced to maintain a clean ceiling appearance. Module finishes are white or black. The units are completely serviceable from below and can be specified in either 120V or 277V. They can be wired as a single complete unit or as two to three individually controlled or dimmed modules.

#### ELECTRICAL:

Voltage: 120V or 277V

Lumens / Wattage: 2100lm / 30W per head

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

Color Rendering Index: 90+ CRI

Operating Temperature: 0°C to 45°C

Dimming: Triac, ELV or 0-10V

**ADJUSTABILITY:** 359° horizontal and 35° vertical adjustment. Each head can be adjusted individually.

**INSTALLATION:** The housing can be installed in existing drywall ceilings or can be roughed-in for new construction with optional frame-in. Housing comes standard with mud ring for trimless installation, optional flange kit is available.

#### LISTING & WARRANTY:

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



### TRIMLESS ACCESSORIES

#### New Construction Frame-Ins



NMRTL-F1 1-Head frame for Trimless MLS

NMRTL-F2 2-Head frame for Trimless MLS

NMRTL-F3 3-Head frame for Trimless MLS

#### Flange Kit

*Fixture remains open-faced, but has a flange for applications not requiring a total trimless look.*



NMRTL-1FK (B/W) 1-Head Flange Kit for Trimless MLS (Black or White finish)

NMRTL-2FK (B/W) 2-Head Flange Kit for Trimless MLS (Black or White finish)

NMRTL-3FK (B/W) 3-Head Flange Kit for Trimless MLS (Black or White finish)

# FLANGED GIMBAL HIGH PERFORMANCE LED MLS

## 1-3 ADJUSTABLE HEADS 850LM TO 3000LM PER HEAD



**NMRG-11 / NMRT-1F1**  
One Head Housing / Flat Face

**NMRG-12/ NMRT-12**  
Two Head Housing / Regress Face

**NMRG-13 / NMRT-13**  
Three Lamp Head / Regress Face

Width does not include Driver  
Length does not include Adjustable Brackets

### FLANGED GIMBAL LED DEDICATED MULTIPLE LIGHTING HOUSING *Requires Trim, sold separately*

SERIES / NUMBER OF HEADS	LED MODULE	VOLTAGE	LUMENS / WATTAGE PER HEAD
<b>NMRG-11</b> One Head	<b>D</b> Cree TrueWhite® <b>C</b> Comfort Dim (2700-1800K)	<b>1</b> 120V input; Triac/ELV for 850-1250lm 0-10V for 2000-3000lm <b>2</b> 277V input; 0-10V dimming <b>4</b> 120V input; Triac/ELV for 2000-3000lm 0-10V for 850-1250lm	<b>L85</b> 850lm / 11W <b>L12</b> 1250lm / 16W <b>L20</b> 2000lm / 25W <b>L30</b> 3000lm / 37W
<b>NMRG-12</b> Two Heads			
<b>NMRG-13</b> Three Heads			

Example: **NMRG-12D1L85** - Flanged Two-Head Multiple Lighting Housing, Cree TrueWhite® LED, 120V input, 850lm / 11W per head

Note: 2000lm and 3000lm Comfort Dim drivers are labeled for 42W.

### FLANGED GIMBAL LED DEDICATED MULTIPLE LIGHTING TRIM *Requires Housing, sold separately*

SERIES	NUMBER OF HEADS	LUMENS / WATTAGE PER HEAD	COLOR TEMP	FACE / FLANGE FINISH
<b>NMRT-1</b> Regress Face	<b>1</b> One <b>2</b> Two <b>3</b> Three	<b>L85</b> 850lm / 11W <b>L12</b> 1250lm / 16W <b>L20</b> 2000lm / 25W <b>L30</b> 3000lm / 37W	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K <b>CD</b> Comfort Dim (2700-1800K)	<b>BW</b> Black / White <b>SS</b> Silver / Silver <b>WW</b> White / White
<b>NMRT-1F*</b> Flat Face				

Example: **NMRT-12L8527WW** - Flanged Regressed Face, Two-Heads, 850lm / 11W per head, 2700K, White Face / White Flange

\* Flat face plate available in White/White finish only.

Flanged Gimbal LED dedicated MLS is available in one to three light linear configurations and features Cree TrueWhite® modules. The MLS face plate is regressed to maintain a clean ceiling appearance. For a more modern aesthetic, a flat face plate is also available in white only. The regressed face plate is offered in white/white, white/black, and silver/silver finishes. The units are completely serviceable from below and can be specified in either 120V or 277V. MLS LED can be wired as a single complete unit or as two to three individually controlled or dimmed modules.

#### ELECTRICAL:

**Voltage:** 120V or 277V

**Lumens / Wattage Per Head:**

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

2000lm / 25W, 3000lm / 37W

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

**Color Rendering Index:** 90+ CRI

**Operating Temperature:** 0°C to 45°C

**Dimming:** Triac, ELV or 0-10V

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

**ADJUSTABILITY:** 350° horizontal and 40° vertical adjustment. Each head can be adjusted individually.

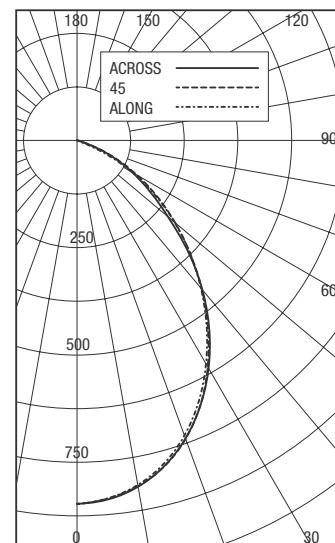
**INSTALLATION:** Universal brackets accept 25" C-Channel Bar Hangers (NRA-38), 27" flat bar hangers (NRA-28), 24-1/2" bar hangers with captive nails (NRA-60), or simple rigid 1/2" steel conduit for tie-down to ceilings grids.

#### LISTING & WARRANTY:

- cULus Listed for Damp Location
- 5-Year Limited Warranty



#### NMRG-11D1L20 / NMRT-11L2030WW





# FLANGED GIMBAL SPECIFIABLE BEAM SPREAD LED MLS

## 900LM TO 2500LM PER HEAD 1-3 ADJUSTABLE HEADS



**NMRG2-11 / NMRT2-1F1**  
One Head Housing / Flat Face

**NMRG2-12/ NMRT2-12**  
Two Head Housing / Regress Face

**NMRG2-13 / NMRT2-13**  
Three Lamp Head / Regress Face

Width does not include Driver  
Length does not include Adjustable Brackets

### FLANGED GIMBAL LED DEDICATED MULTIPLE LIGHTING HOUSING *Requires Trim, sold separately*

SERIES / NUMBER OF HEADS	VOLTAGE	LUMENS / WATTAGE PER HEAD
<b>NMRG2-11</b> One Head	<b>D2</b> 277V input; 0-10V dimming	<b>L09</b> 900lm / 15W
<b>NMRG2-12</b> Two Heads	<b>D3</b> 120V input; Triac/ELV dimming	<b>L15</b> 1500lm / 18W
<b>NMRG2-13</b> Three Heads	<b>D5</b> 120V input; 0-10V dimming	<b>L25</b> 2500lm / 30W

Example: **NMRG2-123L25** - Flanged Two-Head Multiple Lighting Housing, 120V input; Triac/ELV dimming, 2500lm / 30W per head

### FLANGED GIMBAL LED DEDICATED MULTIPLE LIGHTING TRIM *Requires Housing, sold separately*

SERIES	NUMBER OF HEADS	LUMENS / WATTAGE PER HEAD	COLOR TEMP	BEAM SPREAD	FACE / FLANGE FINISH
<b>NMRT2-1</b> Regress Face	<b>1</b> One	<b>L09</b> 900lm / 15W	<b>27</b> 2700K	<b>S</b> Spot	<b>BW</b> Black / White
<b>NMRT2-1F*</b> Flat Face	<b>2</b> Two	<b>L15</b> 1500lm / 18W	<b>30</b> 3000K	<b>M</b> Medium	<b>SS</b> Silver / Silver
	<b>3</b> Three	<b>L25</b> 2500lm / 30W	<b>35</b> 3500K	<b>F</b> Flood	<b>WW</b> White / White
			<b>40</b> 4000K		

Example: **NMRT2-12L2527FWW** - Flanged Regressed Face, Two-Heads, 2500lm / 30W per head, 2700K, Flood Beam Spread, White Face / White Flange

\* Flat face plate available in White/White finish only.

Flanged Gimbal LED dedicated MLS is available in one to three light linear configurations and features Cree® COB technology with specifiable beam spreads. The MLS face plate is regressed to maintain a clean ceiling appearance. For a more modern aesthetic, a flat face plate is also available in white only. The regress face plate is offered in white/white, white/black, and silver/silver finishes. The units are completely serviceable from below and can be specified in either 120V or 277V. MLS LED can be wired as a single complete unit or as two to three individually controlled or dimmed modules.

#### ELECTRICAL:

**Voltage:** 120V or 277V

**Lumens / Wattage Per Head:**

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

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

**Color Rendering Index:** 90+ CRI

**Beam Spread:** Spot, Narrow Flood, Flood

**Operating Temperature:** 0°C to 45°C

**Dimming:** Triac, ELV or 0-10V

**BEAM SPREAD:** Multiple lighting system allows for better optic control offering 3 beam spreads. Beam spreads focus the light down to the work plane from high ceiling application.

**ADJUSTABILITY:** 350° horizontal and 40° vertical adjustment. Each head can be adjusted individually.

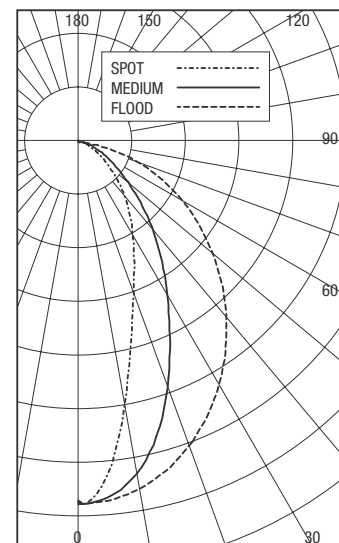
**INSTALLATION:** Universal brackets accept 25" C-Channel Bar Hangers (NRA-38), 27" flat bar hangers (NRA-28), 24-1/2" bar hangers with captive nails (NRA-60), or simple rigid 1/2" steel conduit for tie-down to ceilings grids.

#### LISTING & WARRANTY:

- cULus Listed for Damp Location
- 5-Year Limited Warranty



#### Beam Spread Distributions



# FLANGED LED COMPATIBLE MLS

## 1-3 ADJUSTABLE HEADS LED COMPATIBLE LINE VOLTAGE



**NMRI-11 / NMRT-1F1653**  
One Head Housing  
Flat Face with PAR38 Gimbal



**NMRI-12 / NMRT-12652**  
Two Head Housing  
Regress Face with PAR30 Gimbal



**NMRI-13 / NMRT-13628**  
Three Head Housing  
Regress Face with PAR30 Eyeball

### FLANGED GIMBAL LINE VOLTAGE MLS HOUSING *Requires Trim, sold separately*

SERIES / NUMBER OF HEADS	VOLTAGE	LAMP TYPE	MAX. WATTAGE
<b>NMRI-11</b> One Head	<b>N1</b> 120V	<b>0</b> PAR30	<b>75<sup>1</sup></b> 75W
<b>NMRI-12</b> Two Heads		<b>8</b> PAR38	<b>150<sup>1</sup></b> 150W
<b>NMRI-13</b> Three Heads			

*Example: NMRI-12N1075 - Flanged Two-Head Multiple Lighting Housing, 120V input, PAR30, 75W max.*

<sup>1</sup> Custom wattage labeling available by factory. NMRI-12N1030 - Line Voltage, Two-Heads, 120V, PAR30, 15W max per head

### FLANGED GIMBAL LINE VOLTAGE MLS TRIM *Requires Housing, sold separately*

SERIES	HEADS	LAMP TYPE / TRIM TYPE	FACE/FLANGE FINISH	LED LAMP(S) INCLUDED
<b>NMRT-1</b> Regress Face	<b>1</b> One	<b>628</b> PAR30 Eyeball	<b>BW</b> Black/White	<b>(blank)</b> No Lamp
<b>NMRT-1F*</b> Flat Face	<b>2</b> Two	<b>652</b> PAR30 Gimbal	<b>SS</b> Silver/Silver	<b>XXX</b> see chart at right
	<b>3</b> Three	<b>653</b> PAR38 Gimbal	<b>WW</b> White/White	

*Example: NMRT-1F2628WWA36 - Flanged Flat Face, Two-Heads, PAR30 Eyeball, White / White, (2) A36 LEDs*

\* Flat face plate only available in White/White & PAR30

LED Compatible Line Voltage MLS fixtures can be used in commercial, hospitality and retail applications. MLS fixtures allow a single ceiling opening to have one to three independently adjustable trims. The housings can be installed in drywall, plaster, and suspended ceilings.

#### FEATURES:

- 75W or 150W Max
- Can be factory labeled with reduced wattage to meet watts per square ft. requirements
- Adjustable socket for various lamp lengths
- Lamps independently adjustable to 40° with 350° rotation
- Three configurations: one-light square, two- and three-light linear
- Lower installation and maintenance costs
- Architecturally appealing with regressed or flat face for finished look
- Regress face finishes: white face and fixture with white flange; black face and fixture with white flange; silver face and fixture with silver flange
- Flat face finishes: white
- cULus Damp Location with Feed Through
- 5-year limited warranty



### COMPATIBLE LED LAMPS LINE VOLTAGE MLS

#### LED PAR30 Short Neck

- H30** 12.5W 2700K PAR30 850lm, 25°, 80 CRI
- H31** 12.5W 3000K PAR30 900lm, 25°, 80 CRI
- H32** 12.5W 2700K PAR30 850lm, 35°, 80 CRI
- H33** 12.5W 3000K PAR30 900lm, 35°, 80 CRI

#### LED PAR30 Long Neck

- A34** 10W 2700K PAR30 750lm, 25°, 90 CRI
- A35** 10W 3000K PAR30 800lm, 25°, 90 CRI
- A36** 10W 2700K PAR30 750lm, 40°, 90 CRI
- A37** 10W 3000K PAR30 800lm, 40°, 90 CRI

#### LED PAR38

- E82** 18W 2700K PAR38 1250lm, 25°, 92 CRI
- E83** 18W 3000K PAR38 1550lm, 25°, 81 CRI
- E84** 18W 2700K PAR38 1550lm, 40°, 81 CRI
- E85** 18W 3000K PAR38 1550lm, 40°, 81 CRI
- A82** 17W 2700K PAR38 1150lm, 25°, 90 CRI
- A83** 17W 3000K PAR38 1200lm, 25°, 90 CRI
- A84** 17W 2700K PAR38 1150lm, 40°, 90 CRI
- A85** 17W 3000K PAR38 1200lm, 40°, 90 CRI

# TRIMLESS LED COMPATIBLE MLS

## LED COMPATIBLE LINE VOLTAGE 1-3 ADJUSTABLE HEADS



**NMRT-652TL**  
Trimless Lamp Holder



**NMRTLI-11**  
Single Lamp Housing



**NMRTLI-12**  
Two Lamp Housing



**NMRTLI-13**  
Three Lamp Housing

### TRIMLESS GIMBAL LINE VOLTAGE MLS HOUSING *Requires Lamp Holder(s), sold separately*

SERIES / NUMBER OF HEADS	VOLTAGE	LAMP TYPE	MAX WATTAGE <sup>1</sup>	FINISH	
<b>NMRTLI-11</b> One Head	<b>N1</b> 120V	<b>0</b> PAR30	<b>75</b> 75W	<b>20</b> 20W	<b>B</b> Black
<b>NMRTLI-12</b> Two Heads			<b>50</b> 50W	<b>15</b> 15W	<b>W</b> White
<b>NMRTLI-13</b> Three Heads			<b>25</b> 25W	<b>10</b> 10W	

Example: **NMRTI-12N1075B** - Trimless Two-Head Multiple Lighting Housing, 120V, PAR30, 75W, Black

<sup>1</sup>Custom wattage labeling available by factory. NMRTLI-12N1020W - Two-Heads, 120V, PAR30, 10W max per head

### TRIMLESS GIMBAL PAR30 LAMP HOLDER *Requires Housing, sold separately*

SERIES	FINISH	LED LAMP INCLUDED
<b>NMRT-652TL</b> Trimless	<b>BLK</b> Black	<b>(blank)</b> No Lamp
	<b>WH</b> White	<b>XXX</b> see chart at right

Example: **NMRT-652TLBLK** - Single PAR30 Lamp Holder, Black Finish.  
(Specify a quantity of two to complete example above two-head housing)

LED Compatible Line Voltage MLS fixtures can be used in commercial, hospitality and retail applications. MLS fixtures allow a single ceiling opening to have one to three independently adjustable trims. The housings can be installed in drywall, plaster, and suspended ceilings.

#### FEATURES:

- 75W Max
- Can be factory labeled with reduced wattage to meet watts per square ft. requirements
- Adjustable socket for various lamp lengths
- Lamps independently adjustable to 40° with 350° rotation
- Three configurations: one-light square, two- and three-light linear
- Lower installation and maintenance costs
- Architecturally appealing trimless look
- Includes mud-in rings
- Can be installed as a remodel or new construction
- Optional new construction frame-in available
- Finishes include White and Black
- cULus Damp Location with Feed Through
- 5-year limited warranty



### COMPATIBLE LED LAMPS LINE VOLTAGE MLS

#### LED PAR30 Short Neck

- H30** 12.5W 2700K PAR30 850lm, 25°, 80 CRI
- H31** 12.5W 3000K PAR30 900lm, 25°, 80 CRI
- H32** 12.5W 2700K PAR30 850lm, 35°, 80 CRI
- H33** 12.5W 3000K PAR30 900lm, 35°, 80 CRI

#### LED PAR30 Long Neck

- A34** 10W 2700K PAR30 750lm, 25°, 90 CRI
- A35** 10W 3000K PAR30 800lm, 25°, 90 CRI
- A36** 10W 2700K PAR30 750lm, 40°, 90 CRI
- A37** 10W 3000K PAR30 800lm, 40°, 90 CRI

### TRIMLESS ACCESSORIES LINE VOLTAGE MLS



#### New Construction Frame-Ins

- NMRTL-F1** 1 Head frame for Trimless MLS
- NMRTL-F2** 2 Head frame for Trimless MLS
- NMRTL-F3** 3 Head frame for Trimless MLS



#### Flange Kit

*Fixture remains open-faced, but has a flange for applications not requiring a total trimless look.*

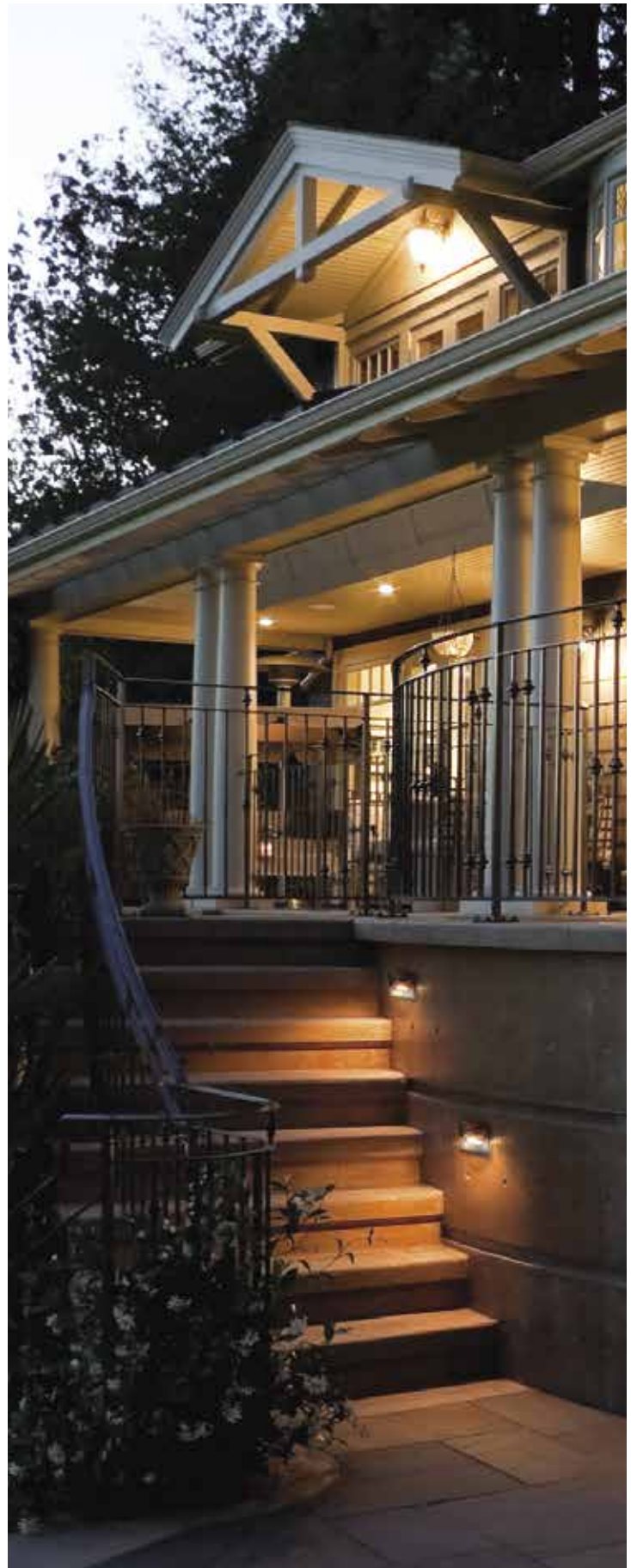
**NMRTL-1FK (B/W)** 1 Head Flange Kit for Trimless MLS (Black or White finish)

**NMRTL-2FK (B/W)** 2 Head Flange Kit for Trimless MLS (Black or White finish)

**NMRTL-3FK (B/W)** 3 Head Flange Kit for Trimless MLS (Black or White finish)

# LED Step Lighting

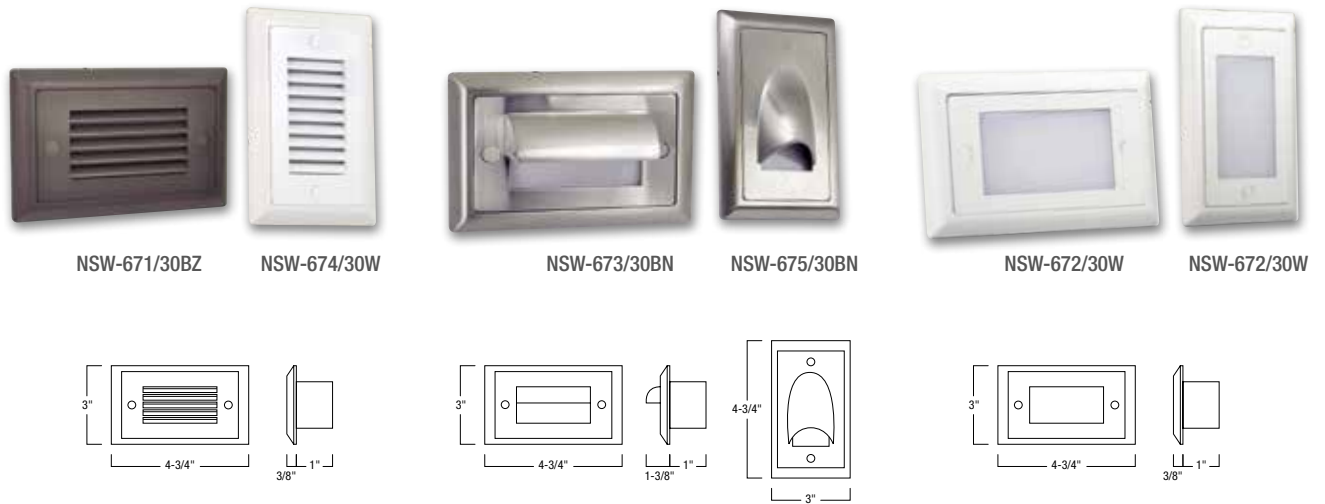
Nora step lights create a safe path of light or warn of elevation change in residential and commercial applications. The completely recessed fixtures blend with any architectural design. The LED step lights are maintenance free and available with lensed and louvered faces rated for wet label applications.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





# LED STEP LIGHTS

## MIA DIE-CAST MINI STEP LIGHT



### MIA DIE-CAST ALUMINUM MINI LED STEP LIGHTS

FRAME TYPE	FINISHES
<b>NSW-671/30</b> Horizontal Louver	<b>BN</b> Brushed Nickel
<b>NSW-672/30</b> Horizontal or Vertical Lensed	<b>BZ</b> Bronze
<b>NSW-673/30</b> Horizontal Shroud	<b>W</b> White
<b>NSW-674/30</b> Vertical Louver	
<b>NSW-675/30</b> Vertical Shroud	

Example: **NSW-671/30W** - Mia Die-Cast Mini LED Step Light with Horizontal Louver, White finish

Mia LED Step Lights with die-cast face plates use the latest in technology in solid state lighting. At only 1.5W, Mia step light delivers an ambient 74 lumens. Mia Step Lights are available with louvered, lensed, or shroud face plates and can be easily installed in a standard single gang switch box. Ideal for hallways, entrances, stairways, wall bases, or any indoor or outdoor application requiring a low profile, recessed fixture.

#### ELECTRICAL:

**Voltage:** 120V

**Color Temperature:** 3000K

**Wattage:** 1.5 Watts

**Life Expectancy:** 50,000 Hours at L70

**Driver:** Non-Dimmable Integral Driver

**LED SOURCE:** Twelve LEDs offer a total load of 1.5W. Optional blue, red or amber LEDs available, consult factory.

**INSTALLATION:** Mounts in standard single gang box (by others). Includes stainless steel screws and and decorative matching screw caps for mounting. IP65 rated when used with watertight junction box and gasket.

**CONSTRUCTION:** Die cast aluminum face plates mounts to a heavy duty sealed polycarbonate LED Module.

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

**FINISHES:** Brushed Nickel, Bronze, and White

#### LISTING & WARRANTY:

- cULus Listed for Wet Location
- IP65 Rated (when used with watertight junction box and gasket)
- 3 Year Limited Warranty



# LED STEP LIGHTS

## MINI STEP LIGHT OPTIONAL PHOTOCELL



### MINI LED STEP LIGHTS

FRAME TYPE		FINISHES
<b>NSW-6619</b>	Louver Face Plate (includes Horizontal and Vertical)	<b>BN</b> Brushed Nickel
<b>NSW-6619PC/</b>	Louver Face Plate with Photocell (includes Horizontal and Vertical)	<b>BZ</b> Bronze
<b>NSW-6629</b>	Lensed Face Plate	<b>W</b> White
<b>NSW-6629PC/</b>	Lensed Face Plate with Photocell	

Example: **NSW-6619PC/BN** - Mini LED Step Light with Louvered Face Plate and Photocell, Brushed Nickel finish

Mini LED Step Lights use the latest technology in solid state lighting. The energy saving photocell option allows the step light to turn on in the dark and off in the morning or at presence of light. Mini Step Lights are available with louvered or lensed face and can be easily installed in a standard single gang switch box. Louvered unit includes both a horizontal and vertical louver. Use in hallways, entrances, stairways, wall bases, or any indoor application requiring a low profile, recessed fixture.

#### ELECTRICAL:

**Voltage:** 120VAC  
**Color Temperature:** 3000K  
**Color Rendering Index:** 90+ CRI  
**Wattage:** Standard: 1W  
 with Photocell: 0.7W  
**Life Expectancy:** 30,000 hours at L70  
**Dimming:** Non-Dimmable Integral Driver

**LED SOURCE:** Standard mini step lights offer a total load of 1W. Mini step lights with integral photocell offer a total load of 0.7W.

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

**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.

**FACE PLATE:** Lensed face plate includes tempered glass and louvered face plate includes a horizontal and vertical louver.

**FINISHES:** Brushed Nickel, Bronze, and White

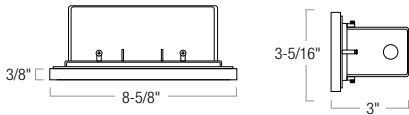
#### LISTING

cULus Listed for Wet Location



# LED STEP LIGHTS

## BRICK STEP LIGHTS



NSW-851/32W  
shown with NSW-800

NSW-852/32BN  
shown with NSW-800

NSW-853/32BZ  
shown with NSW-800

LED Brick Lights can be used indoors or outdoors to efficiently illuminate a change in elevation, provide a path of light, light a staircase or act as a safety night light. The architectural louvered and shroud die-cast aluminum face plate creates a beautiful non-glare source of LED light to guide the way.

### FEATURES:

- 24 LEDs for even illumination
- 4W total consumption
- 3000K color temperature
- Die-cast aluminum face plates
- Integrated, embedded driver
- 120V
- cULus Listed for Wet Location / IP65



### BRICK LED STEP LIGHTS

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

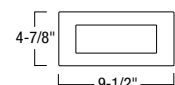
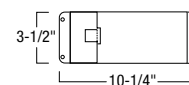
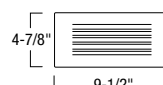
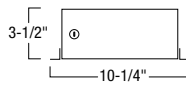
*Example: NSI-601 - LED Step Light, White finish*



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. Use in hallways, entrances, stairways, wall bases, or any indoor application requiring a low profile, recessed fixture.

### ELECTRICAL:

- Voltage:** 120V
- Wattage:** 2W
- Color Temperature:** 3000K
- Dimming:** Non-Dimmable Integral Driver

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

**JUNCTION BOX:** Prewired junction box contains three 1/2" knockouts for easy wiring.

**INSTALLATION:** Side brackets accept 5/8" drywall and include bar hanger brackets that accept bar hangers for installing to joist or stud constructions (ordered separately).

### LISTING & WARRANTY:

- cULus Listed for Wet Location
- IP65 Rated (when used with watertight junction box and gasket)
- 3 Year Limited Warranty

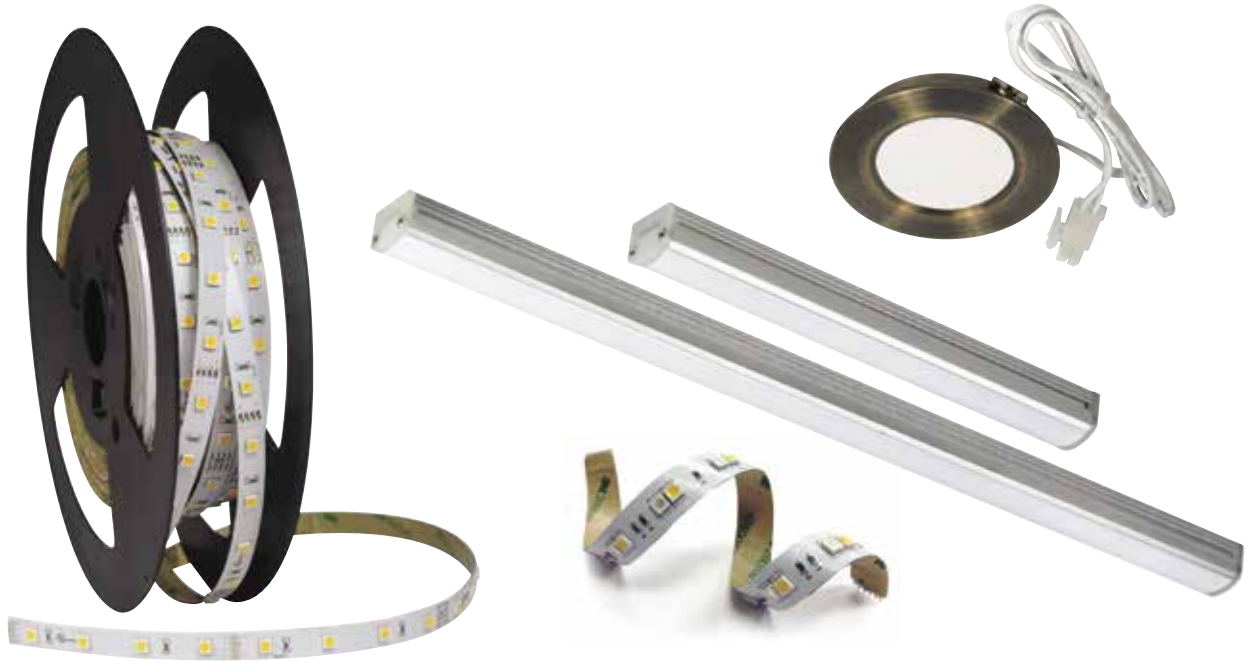






# LED Specialty Lighting

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. 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 Silk SBC Lightbar, LED LEDUR Under Cabinet, LED Bravo Frost Linear, LED Tape Light, and LED Puck Lights. Nora's specialty lighting is an excellent choice for today's green energy-efficient environment.

## LED SPECIALTY LIGHTING OVERVIEW

### SILK SBC LED LIGHTBAR

24V high-output extruded aluminum low profile linear LED with no diode image.

### LED LEDUR & LEDUR TW

120V LED Under Cabinet. Available in 2700K, 3000K, 4000K and Tunable White.

### LED PUCK LIGHT

12V high performance, low energy, low profile, discrete light source.

### LED BRAVO FROST

120V Linear luminaire available in 2700K, 3000K or 4000K with adjustable 0° to 90° mounting brackets.

### LED STANDARD TAPE LIGHT

Flexible standard or side-lit tape available in 12V or 24V and six light output colors. 70 lumens per foot @ 90+ CRI.

### LED HY-BRITE TAPE LIGHT

24V flexible tape produces 200+ lumens per foot @ 90+ CRI.

### LED HIGH OUTPUT TAPE LIGHT

24V flexible tape produces over 350 lumens per foot @ 90+ CRI.

### LED RGB TAPE LIGHT

Flexible damp label tape available in 12V or 24V can change color at the press of a button.

### LED RGBW TAPE LIGHT

Flexible damp label 24V high-output RGB diode with a dedicated high-output 30K diode.

### LED CCT COLOR TUNING TAPE LIGHT

Flexible damp label 24V Kelvin adjustable tape.

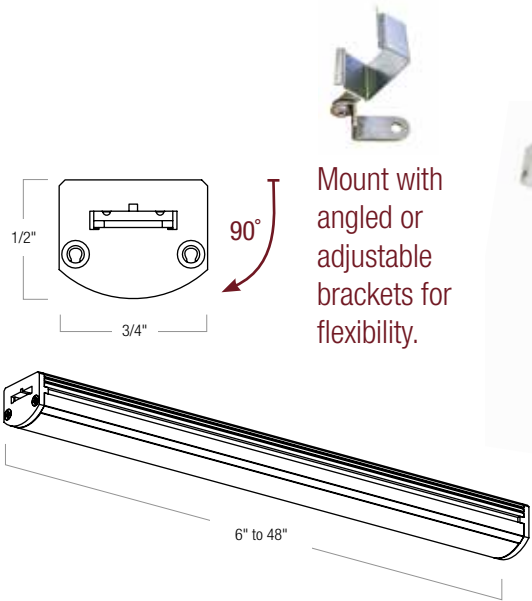
### LED CONTINUOUS ROLL TAPE LIGHT

24V flexible damp label tape in 100 ft. continuous rolls. Available in Standard, Hy-Brite and High Output types.



# SILK SBC LED LIGHTBARS

## 24V LED LIGHTBAR 90+



Mount with angled or adjustable brackets for flexibility.



### SILK SBC LED LIGHTBAR

CATALOG NO.	LENGTH	LIGHT SOURCE	COLOR TEMP / CRI	FINISH
<b>NULB-8</b>	<b>06</b> 6"	<b>LED</b>	<b>927</b> 2700K / 90+ CRI	<b>A</b> Aluminum
	<b>12</b> 12"		<b>930</b> 3000K / 90+ CRI	<b>B</b> Black ( <i>special order</i> )
	<b>24</b> 24"		<b>940</b> 4000K / 90+ CRI	
	<b>36</b> 36"			
	<b>48</b> 48"			

Example: **NULB-824LED930A**- 24" Silk SBC Lightbar, 3000K / 90+CRI, Aluminum finish

24V Silk SBC LED Lightbar produces an incredible 350+ lumens per foot while consuming only 5W at 90+ CRI. The Silk SBC LED Lightbar eliminates the diode image to provide uniform reflectance of light without the hot spots generated by direct view mounted LEDs. The Solid Bus Connectors (SBC) provide a rigid connection between bars, while the flush mount adjustable mounting brackets allow complete zero to 90-degree adjustment. Silk features an ultra low-profile and is available in five lengths. Luminaire can be used in under cabinet, in cabinet, cove, display, and general commercial, retail and residential lighting applications.

#### ELECTRICAL:

**Voltage:** 24V  
**Lumens/Wattage Per Foot:** 350lm / 5W  
**Color Temperature:** 2700K, 3000K, 4000K  
**Color Rendering Index:** 90+ CRI  
**Dimming:** Specified by driver  
**Max Run Length:** 20'

#### INCLUDED WITH EVERY LIGHTBAR:

- (1) End to End Connector (NAL-800)
  - (2-3) Flat Mounting Clips (NAL-801)
  - (2-3) 0°-90° Adjustable Mounting Clips (NAL-809)
- 6", 12", 24" Silk Lightbars include two clips;  
 36" and 48" Silk Lightbars include three clips

**HOUSING:** Solid aluminum extrusion with flush mounted end caps.

**MOUNTING:** Each Lightbar includes flat and adjustable mounting clips allowing aiming angles from 0° to 90°. Additional angled or 180° adjustable mounting clips are available, see accessories.

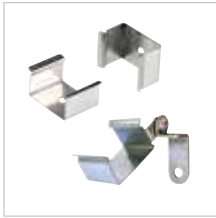
**FINISH:** Natural Aluminum or Black (special order)

#### LISTINGS & WARRANTY:

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



# SILK SBC LED LIGHTBAR ACCESSORIES



Mounting Clip

**NAL-801** Flat Mount  
**NAL-809** 0-90°+ Adj. Mount

Flat and 0-90° Adjustable clips included with each lightbar. Set of two or three.



Mounting Clip

**NAL-845** 45° Mount



Mounting Clip

**NAL-880** 0-180° Adj. Mount



Interlink SBC Solid Bus Connector

**NAL-800**

Included with each lightbar



Flex SBC Interconnection Cable

<b>NAL-802W</b>	2"
<b>NAL-806W</b>	6"
<b>NAL-812W</b>	12"
<b>NAL-824W</b>	24"
<b>NAL-872W</b>	72"

White finish



SBC Power Line Cable

<b>NAL-808/24W</b>	24"
<b>NAL-808/72W</b>	72"

White finish



SBC Power Line Cable

<b>NAL-810/12W</b>	12"
<b>NAL-810/72W</b>	72"

Open Wire, White finish



SBC Power Line Cable with Terminal Block

<b>NAL-812TBW</b>	12"
<b>NAL-872TBW</b>	72"

14AWG-22AWG, White finish



SBC Side Power Line Cable

<b>NAL-807W</b>	12"
<b>NAL-807LW</b>	Left 12"
<b>NAL-807/72W</b>	72"
<b>NAL-807/72LW</b>	Left 72"

White finish



SBC Side Power Line Cable

<b>NAL-811/12W</b>	12"
<b>NAL-811/12LW</b>	Left 12"
<b>NAL-811/72W</b>	72"
<b>NAL-811/72LW</b>	Left 72"

Open Wire, White finish



2' Wire Raceway

**NATL-422** B or W

Field-cuttable plastic. Includes wire channel with double faced tape and cover. Available in Black or White.



In-Line Motion Sensor

**NAL-830**

L: 2.5", W: 0.75", H: 0.75"  
12' Max activation distance; 20 second auto off; 120' detection zone; Max Load 4A



In-Line Touch Dimmer Control

**NAL-855**

Tap once for 100%, twice for 75%, third time for 50%, fourth for 25% and fifth for off. No power failure memory.



# SILK SBC LED LIGHTBAR ACCESSORIES



**NEXUS® All-in-One LED Driver and Dimmer**

**NATL-SWEX100/24A** 100W

**NATL-SWEX/3FP** 3 Face Plates

**Voltage:** 120V/24V  
**Wattage:** 100W

**Dimming:** Integral Dimmer

**Description:** Eliminates the driver and allows 120V input and 12V output from a single gang box. 100-5% dimming and on/off switch.



**Direct Plug-In LED Driver**

**NATL-524W** 24W

**NATL-545W** 45W

**NATL-596W** 96W

**Voltage:** 120V/24V  
**Wattage:** 24W, 45W or 96W  
**Dimming:** Non-Dimmable  
**Cable Length:** 6' (NATL-524 and 545) or 5' cord & plug and 44" power line connector (NATL-596)



**Class II Hardwire LED Driver**

**NATL-5030HW** 30W

**NATL-5060HW** 60W

**NATL-5100HW** 100W

**Voltage:** 120V/24V  
**Wattage:** 30W, 60W or 100W  
**Dimming:** Non-Dimmable  
**Includes:** 10' Power Line Connector



**Class II Hardwire LED Driver with Breakers, MLV Dimming**

**NATL-5096-24-HWD10** 96W

**Voltage:** 120-277V/24V  
**Wattage:** 96W  
**Dimming:** 0-10V  
**Includes:** 10' Power Line Connector



**Class II Hardwire LED Driver with Breakers, MLV Dimming**

**NMT-303/24C2D1** 3x100W

**Voltage:** 120V/24V  
**Wattage:** (3) 100W  
**Dimming:** Magnetic Low Voltage  
**Includes:** (3) 10' Power Line Connectors



**Class II Hardwire LED Driver with Regulator, MLV Dimming**

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

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

**Voltage:** 120-277V/24V  
**Wattage:** 60W or 96W

**Dimming:** Magnetic Low Voltage

**Regulator:** Integral regulator for constant current and voltage

**Includes:** 10' Power Line Connector



**Power Line Connector**

**NATL-10** 10'

**NATL-30** 30'

For use with Class II drivers. Carries output from driver, requires power line cable.



**5" Power Line Splitter**

**NATL-302** B or W

Splits power line connector into two separate leads, requires power line cables. Available in Black or White.



**In-Line Touch Dimmer**

**NATL-518W**

72W max., no power fail memory, touch on/off and hold to dim.



**DC Plug and Play Motion Sensor**

**NAL-856W**

12' Max activation distance; 20 second auto off; 120° detection zone; Max Load 4A.



**Low Voltage Splice Box**

**NATL-415W**

Use to join low voltage lead to power line cable.



**16AWG In-Wall Rated Wire**

**NATL-W16-2-250** 16AWG 250'

**NATL-W16-2-20** 16AWG 20'

16 AWG low voltage Class II two-conductor, in-wall rated wire.



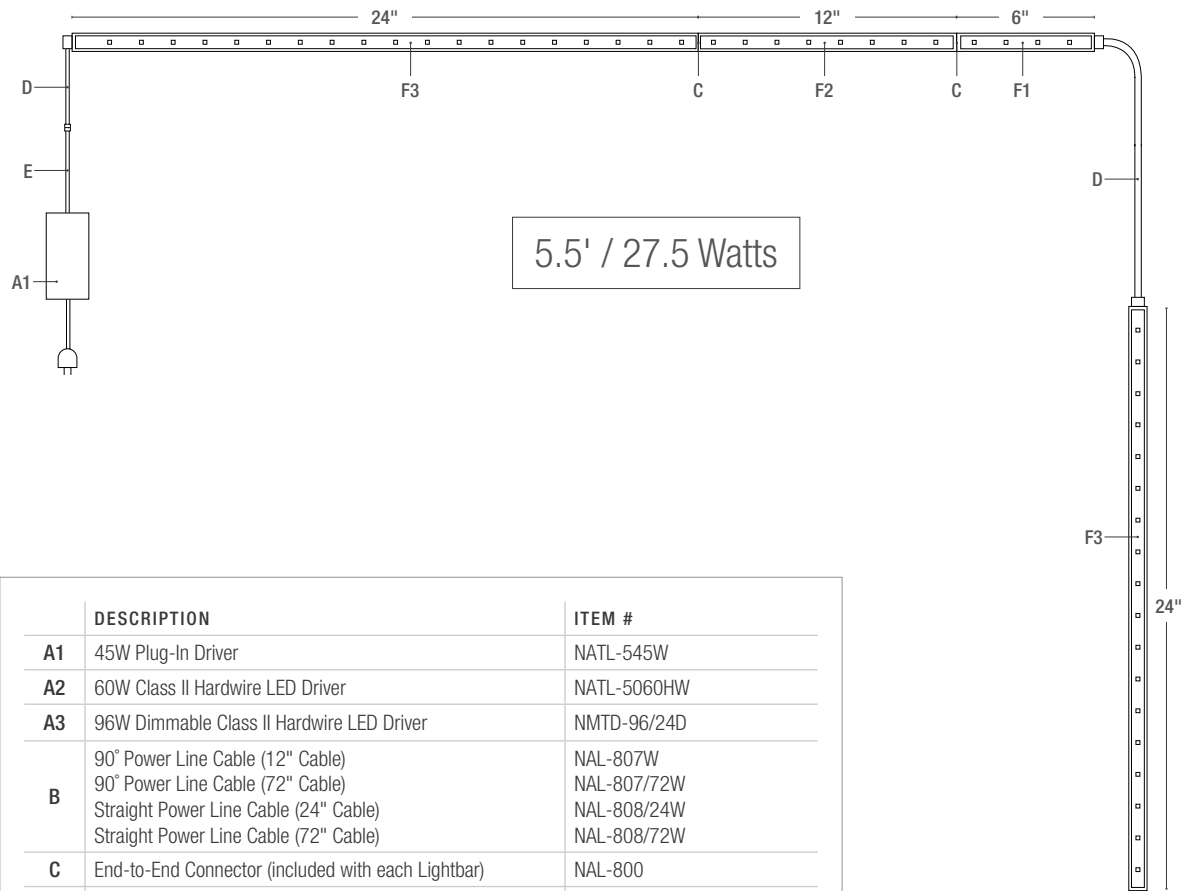
**Terminal/Splitter Block**

**NATL-407** 4-Way  
2-3/8"L x 1-1/8"W x 7/8"D

**NATL-408** 8-Way  
4"L x 1-1/8"W x 7/8"D

# LED LIGHTBARS

## SAMPLE LAYOUT SILK SBC LIGHTBAR

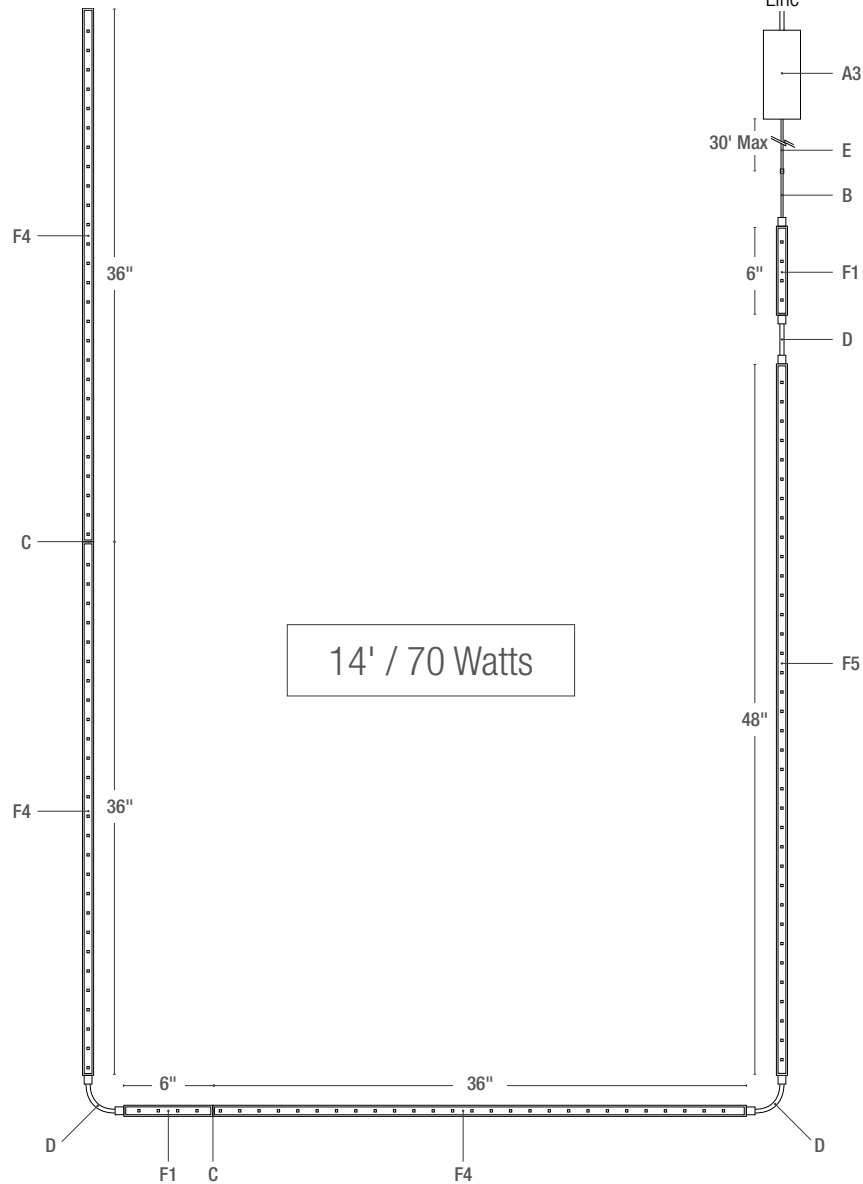
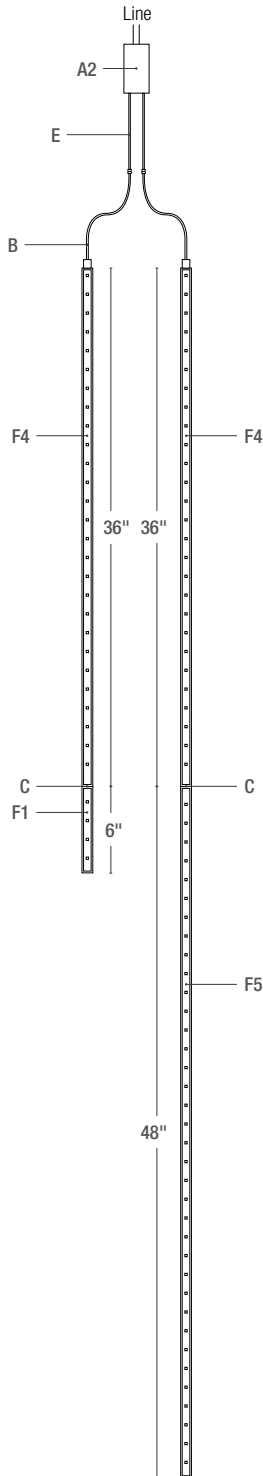


	DESCRIPTION	ITEM #
A1	45W Plug-In Driver	NATL-545W
A2	60W Class II Hardwire LED Driver	NATL-5060HW
A3	96W Dimmable Class II Hardwire LED Driver	NMTD-96/24D
B	90° Power Line Cable (12" Cable)	NAL-807W
	90° Power Line Cable (72" Cable)	NAL-807/72W
	Straight Power Line Cable (24" Cable)	NAL-808/24W
	Straight Power Line Cable (72" Cable)	NAL-808/72W
C	End-to-End Connector (included with each Lightbar)	NAL-800
D	2" Interconnection Cable	NAL-802W
	6" Interconnection Cable	NAL-806W
	12" Interconnection Cable	NAL-812W
	24" Interconnection Cable	NAL-824W
	72" Interconnection Cable	NAL-872W
E	10' Power Line Connector (one included with Class II drivers)	NALT-10
	30' Power Line Connector	NALT-30
F1	6" LED Silk SBC Lightbar	NULB-806LED9(Kelvin)(Finish)
F2	12" LED Silk SBC Lightbar	NULB-812LED9(Kelvin)(Finish)
F3	24" LED Silk SBC Lightbar	NULB-824LED9(Kelvin)(Finish)
F4	36" LED Silk SBC Lightbar	NULB-836LED9(Kelvin)(Finish)
F5	48" LED Silk SBC Lightbar	NULB-848LED9(Kelvin)(Finish)

# LED LIGHTBARS

## SILK SBC LIGHTBAR SAMPLE LAYOUT

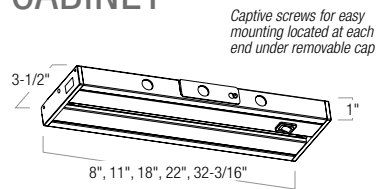
10.5' / 52.5 Watts



14' / 70 Watts

# LED UNDER CABINET

## LEDUR & LEDUR TW 120V EDGE-LIT UNDER CABINET



The LEDUR series of undercabinet lighting is now available in Tunable White version that allows the end user to select between 2700K, 3000K or 3500K at time of installation with a three-position switch. LEDUR's built in LED driver, captive mounting screws, and large knockout plate in the back makes LEDUR easy to install. A heavily frosted lens diffuses the LED image and softens the light output. Available in multiple sizes, two finishes, tunable white or designated CCT at 350+ Lumens per foot and 90+ CRI.

### LEDUR LED UNDER CABINET

SERIES / LENGTH / WATTAGE	COLOR TEMP	FINISH
<b>NUD-8808</b> 8" / 4.5W	<b>/27</b> 2700K	<b>BZ</b> Bronze
<b>NUD-8811</b> 11" / 6.7W	<b>/30</b> 3000K	<b>WH</b> White
<b>NUD-8818</b> 18" / 11W	<b>/40</b> 4000K	
<b>NUD-8822</b> 22" / 12W	4000K available in White finish only	
<b>NUD-8832</b> 32" / 16W		

Example: **NUD-8811/30WH**- 11" LEDUR Under Cabinet, 3000K, White finish

### LEDUR TW TUNABLE WHITE LED UNDER CABINET

SERIES / LENGTH / WATTAGE	COLOR TEMP	FINISH
<b>NUDTW-8808</b> 8" / 3.8W	<b>(blank)</b> Tunable White <i>(Built-in switch changes between 2700K, 3000K or 3500K)</i>	<b>/BZ</b> Bronze
<b>NUDTW-8811</b> 11" / 5.6W		<b>/WH</b> White
<b>NUDTW-8818</b> 18" / 10W		
<b>NUDTW-8822</b> 22" / 10W		
<b>NUDTW-8832</b> 32" / 15W		

Example: **NUDTW-8811/BZ**- 11" LEDUR TW Under Cabinet, Tunable White, Bronze finish

#### FEATURES:

- Designated CCT or Tunable White switch
- 350+ Lumens per foot
- 7 Watts average per foot
- 90+ CRI
- Frosted Lens / No Diode Image
- Dimmable
- Built-in On/Off switch
- White or Bronze finishes
- Less than 1" in depth
- Each unit can be hardwired with Romex feed
- Each unit includes Romex™ Connector
- Easy to mount with captive screws
- Linkable up to 400 Watts



## LEDUR ACCESSORIES



NUD Series Junction Box

**NUA-802** B or W

Hardwire box used to power NUD Series using NUA-806/812/824/872 Jumper Cables and NUA-804 Hardwire Connector. L: 4" W: 1-3/4" H: 1"

Note: LEDUR NUD-88 Series can be direct wired into fixture.



NUD Series Hardwire Connector

**NUA-804** B or W

3-Wire grounded connector/cable used to hardwire fixture to NUA-802.

NUD Series 72" Cord & Plug

**NUA-805** B or W

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



Jumper Cable

**NUA-806** 6" B or W

**NUA-812** 12" B or W

**NUA-824** 24" B or W

**NUA-872** 72" B or W

Used to join fixtures together or to NUA-802.



End to End Connector

**NUA-803**

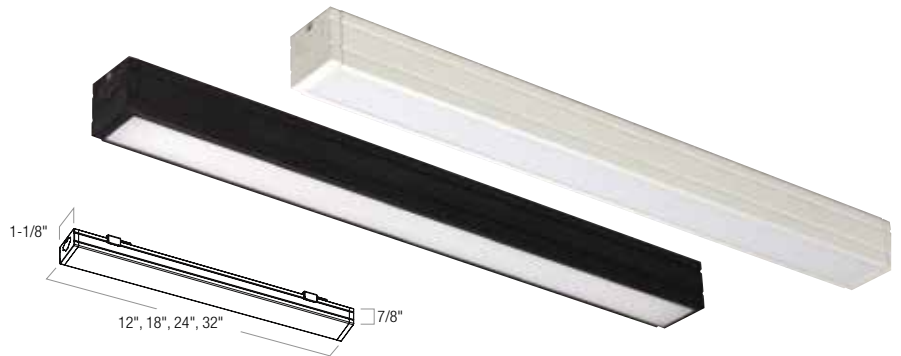
Use to join fixtures seamlessly together. 3-Wire grounded connector (one included with fixture).



# LED LINEAR LIGHT

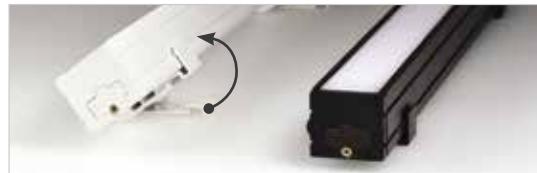
## 120V LED BRAVO FROST

Low profile LED Bravo FROST offers a diode image-free linear lighting solution for residential and commercial use. Less than 1" in depth, luminaires can be installed under cabinets, within shelves and displays cases, and architectural coves. Bravo FROST offers over 500 lumens and 7W per foot at 90+ CRI in white or bronze finishes. An encapsulated 120V dimmable LED driver in each unit allows extended runs and easier installation. An internal heavily-frosted lens eliminates the LED image and softens the light output, and 0° to 90° adjustable mounting brackets are included.



### FEATURES:

- Architectural extruded aluminum construction
- Symmetrical internal reflectors produce broad, even light
- Frosted lens eliminates LED diode image
- 120V linear system
- 7W produces 500 lumens per foot
- 90+ CRI
- 2700K, 3000K and 4000K
- Dimmable
- Linkable up to 400 Watts fixtures (about 50ft.)
- Less than 1" depth
- Bronze and White Finishes
- Self contained electronic driver in each unit
- 0° to 90° adjustable mounting brackets included
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements
- ENERGY STAR certified
- cULus Listed



90° Adjustability  
with included  
mounting bracket

### BRAVO FROST LED LINEAR

SERIES / LENGTH / WATTAGE	COLOR TEMP	FINISH
<b>NUD-6812</b> 12" / 7W	/27 2700K	<b>BZ</b> Bronze
<b>NUD-6818</b> 18" / 10W	/30 3000K	<b>W</b> White
<b>NUD-6824</b> 24" / 13W	/40 4000K	
<b>NUD-6832</b> 32" / 16W	4000K available in White finish only	

Example: **NUD-6812/30W**- 12" Bravo FROST LED Linear, Warm 3000K, White finish



## BRAVO FROST ACCESSORIES



Junction Box with On/Off Switch  
**NUA-602** BZ or W  
Junction box with on/off switch used to power Bravo FROST using jumper cable or NUA-604 (2-Wire Hardwire Connector).  
L: 6-1/4" W: 3-5/8" H: 1"

Junction Box with On/Off Switch and Motion Sensor  
**NUA-6020CS** BZ or W  
Consult factory for lead time.



2-Wire Hardwire Connector  
**NUA-604** B or W  
2-Wire connector used to hardwire fixture to NUA-602 (Junction Box).  
72" Cord and Plug  
**NUA-605** B or W  
6' Grounded AC power cord to connect fixture to an outlet.



Jumper Cables  
**NUA-603** end to end BZ or W  
**NUA-606** 6" B or W  
**NUA-612** 12" B or W  
**NUA-624** 24" B or W  
**NUA-672** 72" B or W  
Used to join two fixtures together or to NUA-602 (Junction Box).



Adjustable Mounting Brackets  
**NUA-609** set of 2 BZ or W  
Set of two brackets used fixture between 0° to 90°. Two brackets are included with each fixture.



# LED Tape Light

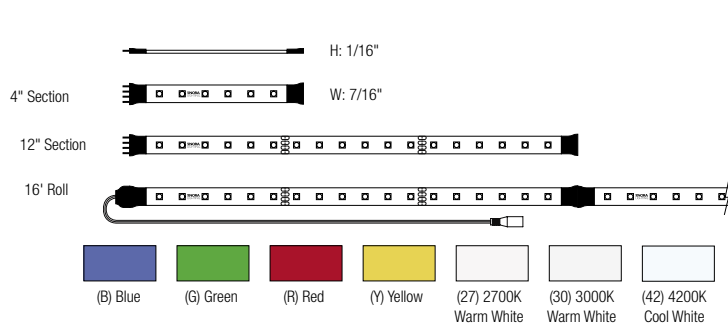
LIGHTING DESIGN ONLY LIMITED BY YOUR IMAGINATION

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

# LED TAPE LIGHT

## 12V AND 24V STANDARD



### 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 7 colors: Blue, Green, Red, Yellow, Cool White (4200K), Warm White (3000K), Warm White (2700K)
- Separable every 12", easily disconnect and connect without soldering
- Field cuttable every 2" on 12V and 4" on 24V
- 64' Maximum run length
- Easy to install with pre-applied 3M™ tape or accessories
- Dimmable with dimmable power supply

### STANDARD LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	VOLTAGE	COLOR TEMP
<b>NUTP4-W16LED(color)</b>	16' Roll	White	12V	<b>B</b> Blue
<b>NUTP4-WLED(color)/12</b>	12" Section	White	12V	<b>G</b> Green
<b>NUTP4-WLED(color)/4</b>	4" Section	White	12V	<b>R</b> Red
<b>NUTP1-W16LED(color)</b>	16' Roll	White	24V	<b>Y</b> Yellow (Amber)
<b>NUTP1-WLED(color)/12</b>	12" Section	White	24V	<b>927</b> 2700K (NUTP1 only)
<b>NUTP1-WLED(color)/4</b>	4" Section	White	24V	<b>930</b> 3000K
<b>NUTP4-W16LED(color)K</b>	16' Kit	White	12V	<b>942</b> 4200K
<b>NUTP1-W16LED(color)K</b>	16' Kit	White	24V	<b>930</b> 3000K
				<b>942</b> 4200K

Example: **NUTP1-W16LEDB** - 24V Standard Tape Light, 16' Roll, Blue Color

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

Nora's very low profile, energy efficient LED tape is only 7/16" wide and 1/16" thick. Designed to cast no shadows, our flexible LED light boasts a desirable seamless glow. Installation is easy as each roll (16 feet) is separable every 12" and can also be cut every 4" (2" on 12V). Our durable tape is encapsulated in silicone and rated for damp locations.

### ELECTRICAL:

**Voltage:** 12V or 24V

**Lumens / Wattage:** 70lm / 1.5W per foot

**Light Source:** 18 LEDs per foot

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

**Color Rendering Index:** 90+ CRI

**Color Temperature:** 2700K, 3000K, 4200K, Blue, Green, Red or Yellow

**Maximum Run Length:** 64' (24V) / 40' (12V)

### INCLUDED WITH TAPE LIGHT ROLL/KIT:

Each Tape Light Roll/Kit includes: (1) 16' Tape Light roll, (1) 9" power line interconnector and (15) clear acrylic clips. Kit includes a LED plug-in driver also.

**CONSTRUCTION:** The tape is separable every 12", can be cut every 2" on 12V and 4" on 24V at marked intervals. Cutting does not effect circuit. Silicone encapsulated tape has pre-applied shrink wrap around connections, simply slice the clear shrink wrap at each 12" connection and separate male-female connectors. This eliminates soldering when using partial rolls.

**MOUNTING:** Each Tape Light section and roll/kit comes with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

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

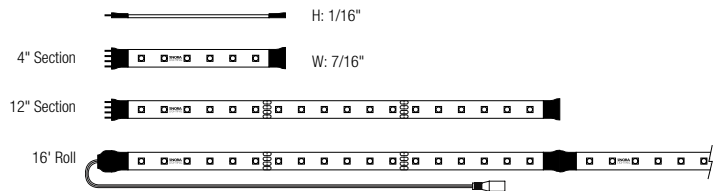
### LISTING & WARRANTY:

- cULus Listed for Damp Location
- 3 Year Limited Warranty



# LED TAPE LIGHT

## STANDARD 24V



### STANDARD LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	VOLTAGE	COLOR TEMP
<b>NUTP7-W16LED(color)</b>	16' Roll	White	24V	<b>927</b> 2700K
<b>NUTP7-WLED(color)/12</b>	12" Section	White	24V	<b>930</b> 3000K
<b>NUTP7-WLED(color)/4</b>	4" Section	White	24V	<b>942</b> 4200K
<b>NUTP7-16WLED(color)K</b>	16' Kit	White	24V	

Example: **NUTP7-WLED927/4** - 24V Standard Tape Light, 4" Section, 2700K

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

### FEATURES:

- 70 Lumens per foot with 3000K CCT
- 90+ CRI
- 288 LEDs/26.4W per roll; 18 LEDs/1.65W per foot
- 24V DC single color illumination
- Available in three color outputs: Cool White (4200K), Warm White (3000K), Warm White (2700K)
- Separable every 12", easily disconnect and connect without soldering
- Field cuttable every 4"
- 64' Maximum run length
- Easy to install with pre-applied 3M™ tape or accessories
- Dimmable with dimmable power supply

Nora's very low profile, energy efficient LED tape is only 7/16" wide and 1/16" thick. Designed to cast no shadows, our flexible LED light boasts a desirable seamless glow. Installation is easy as each roll (16 feet) is separable every 12" and can also be cut every 4". Our durable tape is non-encapsulated and rated for damp locations.

### ELECTRICAL:

**Voltage:** 24V

**Lumens / Wattage:** 70lm / 1.65W per foot

**Light Source:** 18 LEDs per foot

**Color Rendering Index:** 90+ CRI

**Color Temperature:** 2700K, 3000K or 4200K

**Maximum Run Length:** 64'

### INCLUDED WITH TAPE LIGHT ROLL/KIT:

Each Tape Light Roll/Kit includes: (1) 16' Tape Light roll, (1) 9" power line interconnector and (15) clear acrylic clips. Kit includes a LED Plug-In driver also.

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

**MOUNTING:** Each Tape Light section and roll/kit comes with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

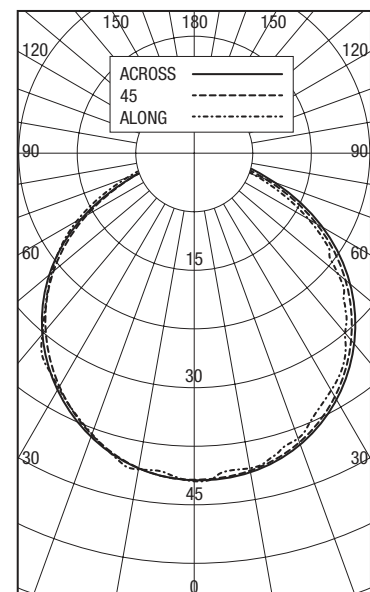
**DRIVER:** A wide variety of drivers are available from direct plug-ins, Class II, and Dimmable Class II Drivers.

### LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



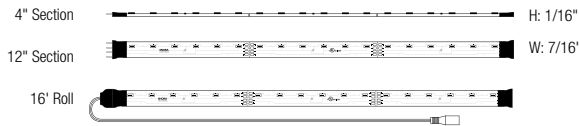
NUTP7 (4200K) Test No. 32740





# LED TAPE LIGHT

## 24V SIDE-LIT



Side-Lit Tape illuminates to the side, parallel to the mounting surface.

### FEATURES:

- 70 Lumens per foot with 3000K CCT
- 288 LEDs / 24W per roll; 18 LEDs / 1.5W per foot
- 24V DC single color illumination
- Available in two color outputs:  
Warm White (3000K) or Warm White (2700K)
- Separable every 12", easily disconnect and connect without soldering
- Field cuttable every 4"
- 64' Maximum run length
- Easy to install with pre-applied 3M™ tape or accessories
- Dimmable with dimmable power supply

### SIDE-LIT LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	VOLTAGE	COLOR TEMP
<b>NUTP9-16LED(color)</b>	16' Roll	Amber	24V	<b>27</b> 2700K <b>30</b> 3000K
<b>NUTP9-LED(color)/12</b>	12" Section	Amber	24V	
<b>NUTP9-LED(color)/4</b>	4" Section	Amber	24V	

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

16' Tape Rolls include sixteen 12" sections. 12" and 4" Tape sections contain male/female ends.

Side-Lit LED tape light has the same performance features as the standard tape light, but instead of projecting the light straight, the light is projected to the side, parallel to the mounting surface of the tape. For example, when mounted under a cabinet in a horizontal position, the light projects sideways toward the back splash with minimal LED image on the counter top. This very low profile, energy efficient LED tape is only 7/16" wide and 1/16" thick. Designed to cast no shadows, our flexible LED light boasts a desirable seamless glow. Installation is easy as each roll (16 feet) is separable every 12" and can also be cut every 4".

### ELECTRICAL:

**Voltage:** 24V

**Lumens / Wattage:** 70lm / 1.5W per foot

**Light Source:** 18 LEDs per foot

**Color Temperature:** 2700K or 3000K

**Maximum Run Length:** 64'

### INCLUDED WITH TAPE LIGHT ROLL:

Each Tape Light Roll includes: (1) 16' Tape Light Roll, (1) 9" power line interconnector and (15) clear acrylic clips.

**CONSTRUCTION:** The 24V tape is separable every 12", and can be cut every 4" at marked intervals.

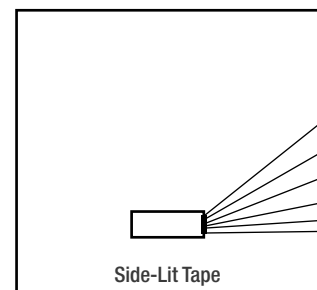
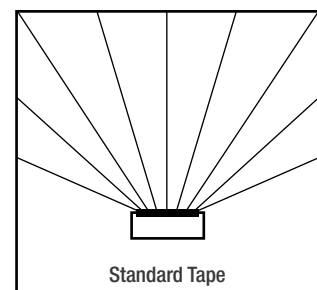
Cutting does not effect circuit.

**MOUNTING:** Each Tape Light section and roll comes with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

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

### LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



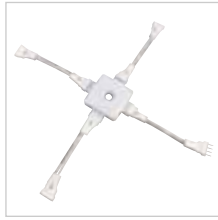
# LED TAPE LIGHT

## STANDARD / SIDE-LIT ACCESSORIES & DRIVERS



"Y" Splitter Cable

**NATL-300W** 12V or 24V  
Allows splitting the Tape Light from a run or driver, into two separate runs.



X-Splitter Cable

**NATL-301W** 12V or 24V  
Allows splitting the Tape Light from a run or driver, into three separate runs.



12/24V Interconnection Cable

**NATL-202W** 2" Cable  
**NATL-206W** 6" Cable  
**NATL-218W** 18" Cable  
**NATL-236W** 36" Cable  
**NATL-272W** 72" Cable

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



Power Line Interconnector

**NATL-509W** 24V 9" Cable  
**NATL-515W** 12V 9" Cable  
Connects any Tape Light run to a driver. (1) Power line interconnector is included with every Tape Light roll/kit.



Power Line Interconnector with On/Off Switch

**NATL-511W** 24V 11" Cable  
**NATL-517** 12V 11" Cable

Allows individual switching on any Tape Light run, and connect LED Tape Light run directly to LED Driver. 24V cable is white & 12V cable is black.



Shrink Wrap Tube

**NATL-400** Pack of 5  
Seals connection made in the field. Necessary to maintain cULus Listing. Two shrink wrap tubes are included with every Tape Light roll and section.



End Cap

**NATL-403** B or W  
Covers open end of Tape Light. Available in Black or White.



Clear Acrylic Mounting Clips

**NATL-401** Pack of 15  
Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



2' Wire Raceway

**NATL-422** B or W  
Field-cutttable plastic. Includes wire channel with double faced tape and cover. Available in Black or White.



4' Shallow Aluminum Channel

**NATL-C23A** with Wing  
**NATL-C24A**

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' Deep Aluminum Channel

**NATL-C25A** with Wing  
**NATL-C26A**

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable



4' J-Style Aluminum Channel

**NATL-C27A**

Used to mount tape light to various surfaces. Field cuttable.



4' Corner Aluminum Channel

**NATL-C28A**

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



4' Plastic Channel

**NATL-420B** Black  
**NATL-420W** White

Mounts Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable.

# LED TAPE LIGHT ACCESSORIES & DRIVERS STANDARD / SIDE-LIT



Direct Plug-In LED Driver

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

**Input Voltage:** 120V  
**Cable Length:** 6 Feet



Direct Plug-In LED Driver

**NAPK-550/12** 12V 50W  
**NATL-596W** 24V 96W

**Input Voltage:** 120V  
**Input Wire:** 5' Cord and Plug  
**Output Wire:** 44" Out Wire



Class II Hardwire LED Driver

**NAPK-5030HW/12** 12V 30W  
**NAPK-5060HW/12** 12V 60W  
**NATL-5030HW** 24V 30W  
**NATL-5060HW** 24V 60W  
**NATL-5100HW** 24V 100W

**Input Voltage:** 120-240V  
**Dimming:** Non-Dimmable  
**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver  
0-10V Dimming

**NATL-5060-12-HWD10**  
12V 60W  
**NATL-5096-24-HWD10**  
24V 90W

**Input Voltage:** 120-277V  
**Dimming:** 0-10V  
**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver  
with Breakers, MLV Dimming

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

**Input Voltage:** 120V  
**Dimming:** Magnetic Low Voltage  
**Includes:** (3 or 4) 10' Power Line Connectors



Class II Hardwire LED Driver  
with Regulator, MLV Dimming

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

**Input Voltage:** 120-277V  
**Dimming:** Magnetic Low Voltage  
**Regulator:** Integral regulator for constant current and voltage  
**Includes:** 10' Power Line Connector



NEXUS® All-in-One LED  
Driver and Dimmer

**NATL-SWEX100/24A** 24V 100W  
**NATL-SWEX60/12A** 12V 60W  
**NATL-SWEX/3FP** 3 Face Plates

**Input Voltage:** 120V  
**Dimming:** Integral Dimmer  
**Description:** Eliminates the driver and allows 120V input and 12V or 24V output from a single gang box. 100-5% dimming and on/off switch.



Power Line Connector

**NALTL-10** 10' Cable  
**NALTL-30** 30' Cable

For use with Class II drivers. Carries output from driver, requires power line interconnectors.



5" Power Line Splitter

**NATL-302** B or W

Splits power line connector into two separate leads, requires power line cable. Available in Black or White.



Touch Dimmer with Memory

**NATL-518W**

72W max., no power fail memory, touch on/off and hold to dim.



Low Voltage Splice Box

**NATL-415W**

Use to join low voltage lead to power line connector.



16AWG In-Wall Rated Wire

**NATL-W16-2-250** 16AWG 250'

**NATL-W16-2-20** 16AWG 20'

16 AWG low voltage Class II two-conductor, in-wall rated wire.



Terminal/Splitter Block

**NATL-407** 4-Way

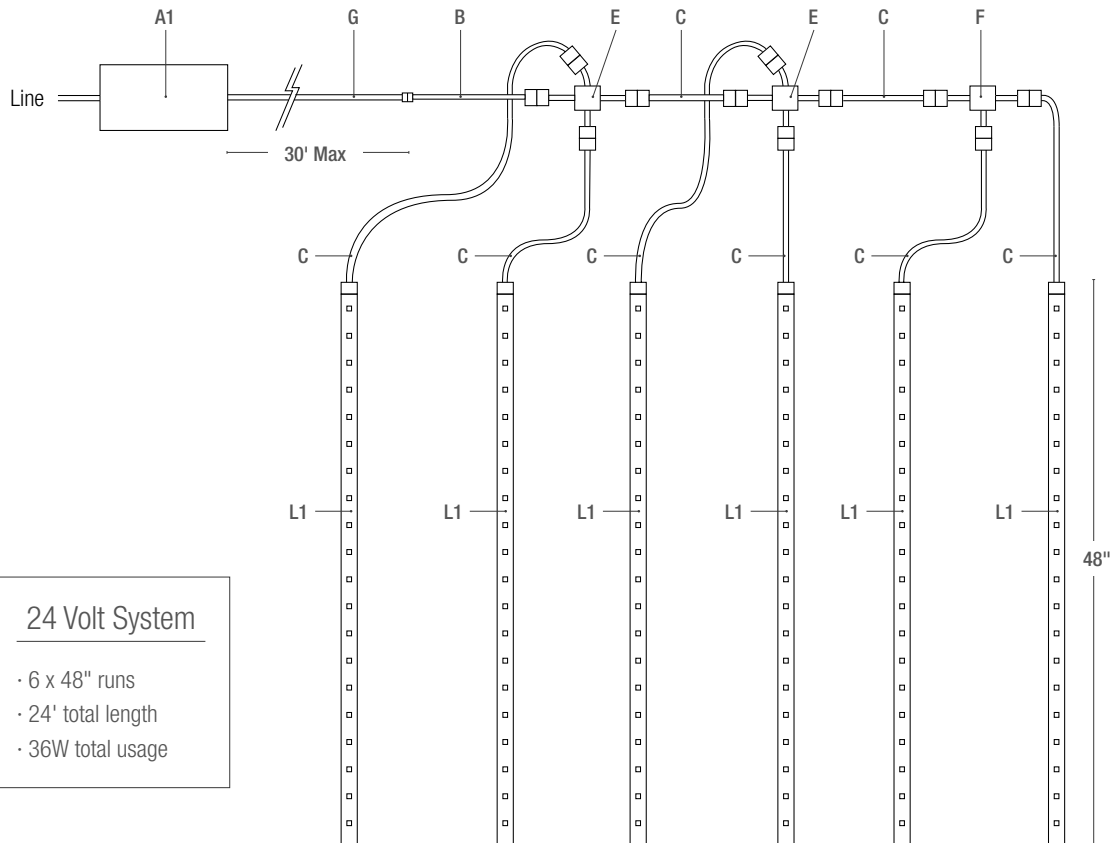
2-3/8"L x 1-1/8"W x 7/8"D

**NATL-408** 8-Way

4"L x 1-1/8"W x 7/8"D

# LED TAPE LIGHT

## 24V STANDARD AND SIDE-LIT SAMPLE LAYOUT

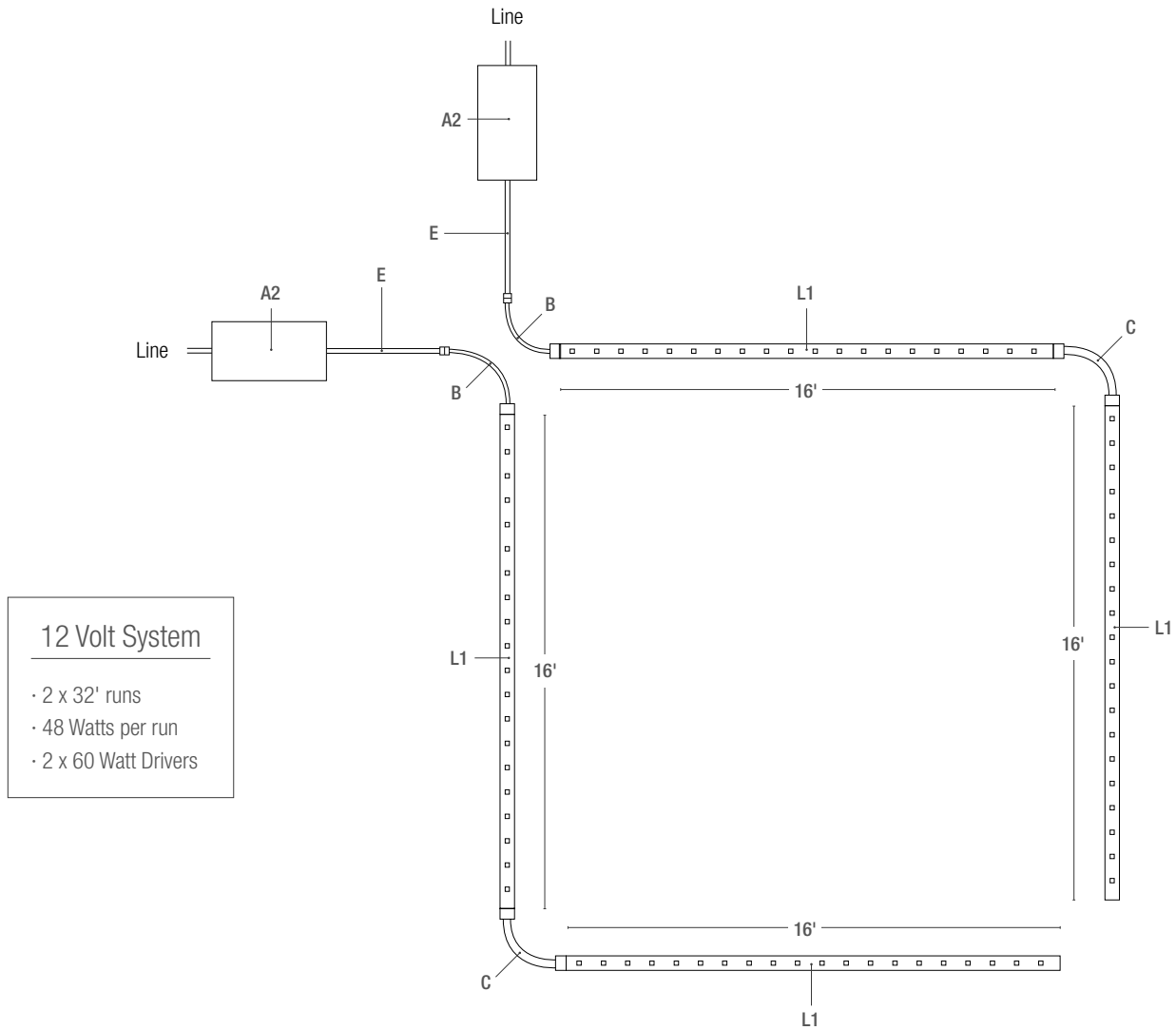


	DESCRIPTION	ITEM #
<b>A1</b>	24V 60W Dimmable Class II Hardwire LED Driver	NMTD-60/24D
<b>B</b>	24V 9" Power Line Interconnector (one included with each Tape Light roll)	NATL-509
<b>C</b>	2" Interconnection Cable	NATL-202
	6" Interconnection Cable	NATL-206
	18" Interconnection Cable	NATL-218
	36" Interconnection Cable	NATL-236
	72" Interconnection Cable	NATL-272
<b>E</b>	"X" Splitter Cable (1 in & 3 out)	NATL-301
<b>F</b>	"Y" Splitter Cable (1 in & 2 out)	NATL-300
<b>G</b>	10' Power Line Connector (one included with Class II drivers)	NALTL-10
	30' Power Line Connector	NALTL-30
<b>L1</b>	24V 48" LED Tape Light Segments	(1) NUTP(1, 7 or 9)-W16LED(color) and
	(Each NUTP(1, 7 or 9)-W16LED Roll contains (16) 12" detachable sections)	(8) NUTP(1, 7 or 9)-WLED(color)/12

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



# LED TAPE LIGHT SAMPLE LAYOUT 12V STANDARD



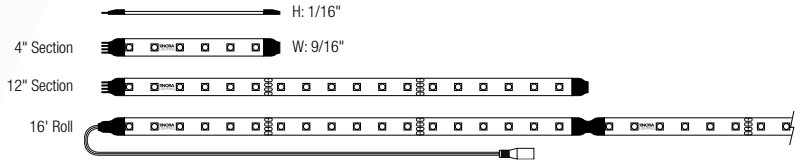
**12 Volt System**

- 2 x 32' runs
- 48 Watts per run
- 2 x 60 Watt Drivers

	DESCRIPTION	ITEM #
A2	12V 60W Dimmable Class II Hardwire LED Driver	NMTD-60/12D
B	12V 9" Power Line Interconnector (one included with each Tape Light roll)	NATL-515
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	10' Power Line Connector (one included with Class II drivers)	NALTL-10
	30' Power Line Connector	NALTL-30
L1	12V 16' LED Tape Light Rolls (Disconnect every 12" or can be cut every 4", contains (16) 12" segments)	(4) NUTP4-W16LED(color)

# LED TAPE LIGHT

## 24V HY-BRITE 200LM PER FOOT



### HY-BRITE LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	VOLTAGE	COLOR TEMP
NUTP5-W16LED(color)	16' Roll	White	24V	<b>927</b> 2700K <b>930</b> 3000K <b>942</b> 4200K
NUTP5-WLED(color)/12	12" Section	White	24V	
NUTP5-WLED(color)/4	4" Section	White	24V	

Example: **NUTP5-WLED942/4** - 24V Hy-Brite LED Tape Light, 4" Section, 4200K

16' Tape Rolls include sixteen 12" sections. 12" and 4" Tape sections contain male/female ends.

### FEATURES:

- 200+ Lumens per foot
- 90+ CRI
- 43.2W per roll - 2.7W per foot
- 24V DC System
- Available in three color outputs: Cool White (4200K), Warm White (3000K), Warm White (2700K)
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 4" or 6 LEDs
- 32' Maximum run length
- Dimmable with dimable power supply
- Easy to install with pre-applied 3M™ tape or accessories

Hy-Brite LED Tape Light is the perfect solution when you need more light than Standard LED Tape but less than High Performance High-Output LED Tape. Producing 200+ lumens, the Hy-Brite uses the same connectors and accessories as the High Output LED Tape. The low profile tape is the ideal for coves, architectural details, under and in cabinets, toe kicks, and back lighting. Hy-Brite can be used outdoors when not exposed to direct water spray.

### ELECTRICAL:

Voltage: 24V

Lumens / Wattage: 200lm / 2.7W per foot

Light Source: 12 Hy-Brite LEDs per foot

Color Rendering Index: 90+ CRI

Color Temperature: 2700K, 3000K or 4200K

Maximum Run Length: 32'

**INCLUDED WITH TAPE LIGHT ROLL:** Each Tape Light Roll includes: (1) 16' Tape Light Roll, (1) 9" power line interconnector and (15) clear acrylic clips.

**CONSTRUCTION:** The tape is separable every 12", and can be cut every 6 LEDs at marked 4" intervals. Cutting does not effect circuit.

**MOUNTING:** Each Tape Light section and roll comes with with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

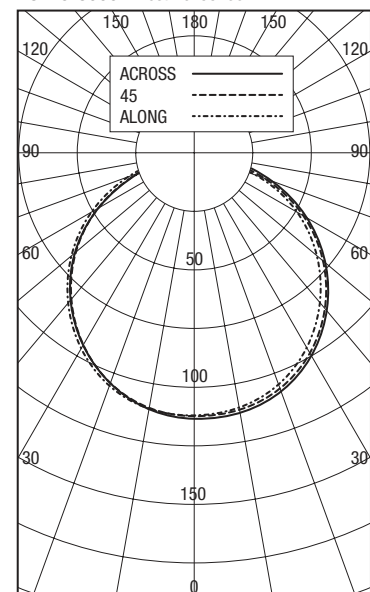
**DRIVER:** A wide variety of drivers are available from direct plug-ins, Class II, and Hardwire Dimmable Class II Drivers up to 300 Watts.

### LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty

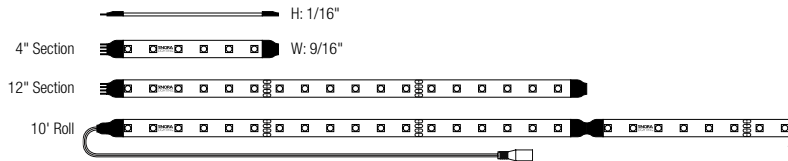


NUTP5-3000K Test No. 33100



# LED TAPE LIGHT

## 350LM PER FOOT 24V HIGH OUTPUT



### FEATURES:

- 350 Lumens per foot
- 90+ CRI
- 180 LEDs / 42W per roll - 18 LEDs / 4.2W per ft.
- 24V DC System
- Available in 7 colors: Blue, Green, Red, Yellow, Cool White (4200K), Warm White (3000K), Warm White (2700K)
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 4" or 6 LEDs
- 10' Maximum run length
- Dimmable with dimmable power supply
- Easy to install with pre-applied 3M™ tape or accessories

### HIGH OUTPUT LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	VOLTAGE	COLOR TEMP
<b>NUTP8-W10LED(color)</b>	10' Roll	White	24V	<b>B</b> Blue <b>G</b> Green <b>R</b> Red <b>Y</b> Yellow (Amber) <b>927</b> 2700K
<b>NUTP8-WLED(color)/12</b>	12" Section	White	24V	<b>930</b> 3000K <b>942</b> 4200K
<b>NUTP8-WLED(color)/4</b>	4" Section	White	24V	

*Example: NUTP8-WLED930/12 - 24V High Output LED Tape Light, 12" Section, 3000K*

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

High Output LED Tape Light has five times the light output of our standard tape, consumes only 4.2W per foot, and is a perfect solution for your LED linear lighting needs. Very low profile High Output LED Tape is great for use in cove lighting, architectural enhancements, under cabinet or many more discreet locations.

### ELECTRICAL:

**Voltage:** 24V

**Lumens / Wattage:** 350lm / 4.2W per foot

**Light Source:** 18 High Output LEDs Per Foot

**Color Rendering Index:** 90+ CRI

**Color Temperature:** 2700K, 3000K, 4200K, Blue, Green, Red or Yellow

**Maximum Run Length:** 10'

**INCLUDED WITH TAPE LIGHT ROLL:** Each Tape Light Roll includes: (1) 10' Tape Light roll, (1) 9" power line interconnector and (15) clear acrylic clips.

**CONSTRUCTION:** The tape is separable every 12", and can be cut every 6 LEDs at marked 4" intervals. Cutting does not effect circuit.

**MOUNTING:** Each Tape Light section or roll comes with with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

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

### LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



### LIGHTING TIP

While some tape is offered in dedicated colors like red or blue we have found that clients prefer to use our RGB or RGBW tape to dial in the exact color they want. Colors reflect differently off different colors, the RGB and RGBW let you adjust for the reflectance to the desired color.

# LED TAPE LIGHT

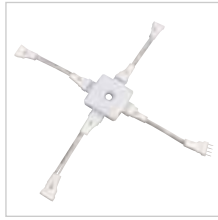
## HY-BRITE / HIGH OUTPUT ACCESSORIES AND DRIVERS



Y-Splitter Cable

**NAHO-600W** Y Cable

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



X-Splitter Cable

**NAHO-601W** X Cable

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



Interconnection Cables

**NAHO-602W** 2" Cable  
**NAHO-606W** 6" Cable  
**NAHO-618W** 18" Cable  
**NAHO-636W** 36" Cable  
**NAHO-672W** 72" Cable

Interconnection cable allows easy linking of two Hy-Brite or High Output Tape sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Power Line Interconnector

**NAHO-609W**

Connects Hy-Brite or High Output Tape Light run to a driver. (1) Power line interconnector is included with every Hy-Brite and High Output Tape Light roll.



Power Line Interconnector with On/Off Switch

**NAHO-611W**

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



Shrink Wrap Tube

**NATL-400** Pack of 5

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



End Cap

**NATL-403** B or W

Covers open end of Tape Light. Available in black or white



Clear Acrylic Mounting Clips

**NATHR-685** Pack of 15

Use in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



2' Wire Raceway

**NATL-422** B or W

Field-cuttable plastic. Includes wire channel with double faced tape and cover. Available in black or white.



4' Aluminum Channel

**NATHR-680**

Used to mount tape light to various surfaces. Field cuttable.



4' Shallow Aluminum Channel

**NATL-C23A** with Wing

**NATL-C24A**

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



4' Deep Aluminum Channels

**NATL-C25A** with Wing

**NATL-C26A**

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



4' J-Style Aluminum Channels

**NATL-C27A**

Used to mount tape light to various surfaces. Field cuttable.



4' Corner Aluminum Channel

**NATL-C28A**

Plastic diffuser and End caps included. Field cuttable



# LED TAPE LIGHT ACCESSORIES AND DRIVERS HY-BRITE / HIGH OUTPUT



NEXUS® All-in-One LED Driver and Dimmer  
**NATL-SWEX100/24A** 100W  
**NATL-SWEX/3FP** 3 Face Plates  
**Voltage:** 120V/24V  
**Wattage:** 100W  
**Dimming:** Integral Dimmer  
**Description:** Eliminates the driver and allows 120V input and 12V output from a single gang box. 100-5% dimming and on/off switch.



Direct Plug-In LED Driver  
**NATL-524W** 24W  
**NATL-545W** 45W  
**NATL-596W** 96W  
**Voltage:** 120V/24V  
**Wattage:** 24W, 45W or 96W  
**Dimming:** Non-Dimmable  
**Cable Length:** 6' (NATL-524 and 545) or 5' cord & plug and 44" power line connector (NATL-596)



Class II Hardwire LED Driver  
**NATL-5030HW** 30W  
**NATL-5060HW** 60W  
**NATL-5100HW** 100W  
**Voltage:** 120V/24V  
**Wattage:** 30W, 60W or 100W  
**Dimming:** Non-Dimmable  
**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver with Breakers, MLV Dimming  
**NATL-5096-24-HWD10** 96W  
**Voltage:** 120-277V/24V  
**Wattage:** 96W  
**Dimming:** 0-10V  
**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver with Breakers, MLV Dimming  
**NMT-303/24C2D1** 3x100W  
**Voltage:** 120V/24V  
**Wattage:** (3) 100W  
**Dimming:** Magnetic Low Voltage  
**Includes:** (3) 10' Power Line Connectors



Class II Hardwire LED Driver with Regulator, MLV Dimming  
**NMTD-60/24D** 60W  
**NMTD-96/24D** 96W  
**Voltage:** 120-277V/24V  
**Wattage:** 60W or 96W  
**Dimming:** Magnetic Low Voltage  
**Regulator:** Integral regulator for constant current and voltage  
**Includes:** 10' Power Line Connector



Power Line Connector  
**NATL-10** 10' Cable  
**NATL-30** 30' Cable  
 For use with Class II drivers. Carries output from driver, requires power line cable.



5" Power Line Splitter  
**NATL-302** B or W  
 Splits power line connector into two separate leads, requires power line cables. Available in Black or White.



In-Line Touch Dimmer  
**NATL-518W**  
 72W max., no power fail memory, touch on/off and hold to dim.



DC Plug and Play Motion Sensor  
**NAL-856W**  
 12' Max activation distance; 20 second auto off; 120° detection zone; Max Load 4A.



Low Voltage Splice Box  
**NATL-415W**  
 Use to join low voltage lead to power line connector.



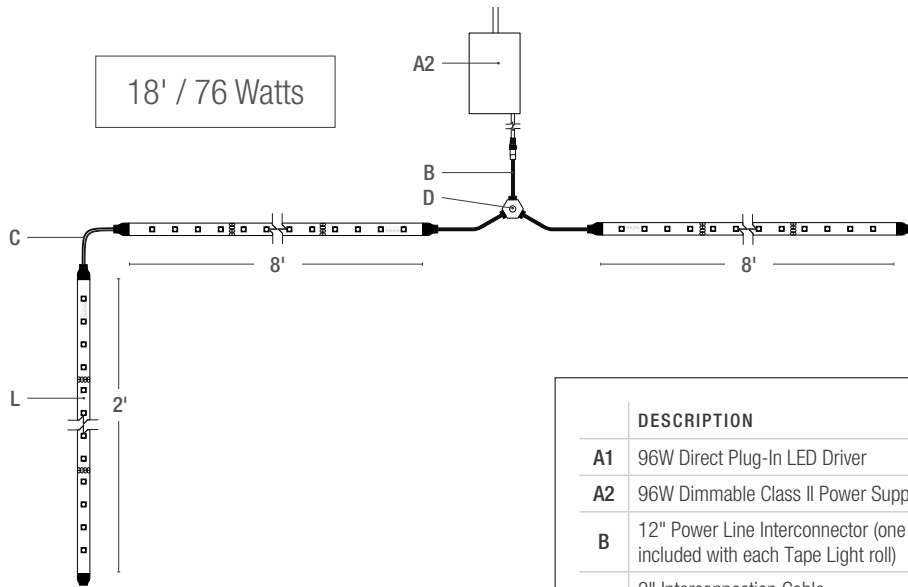
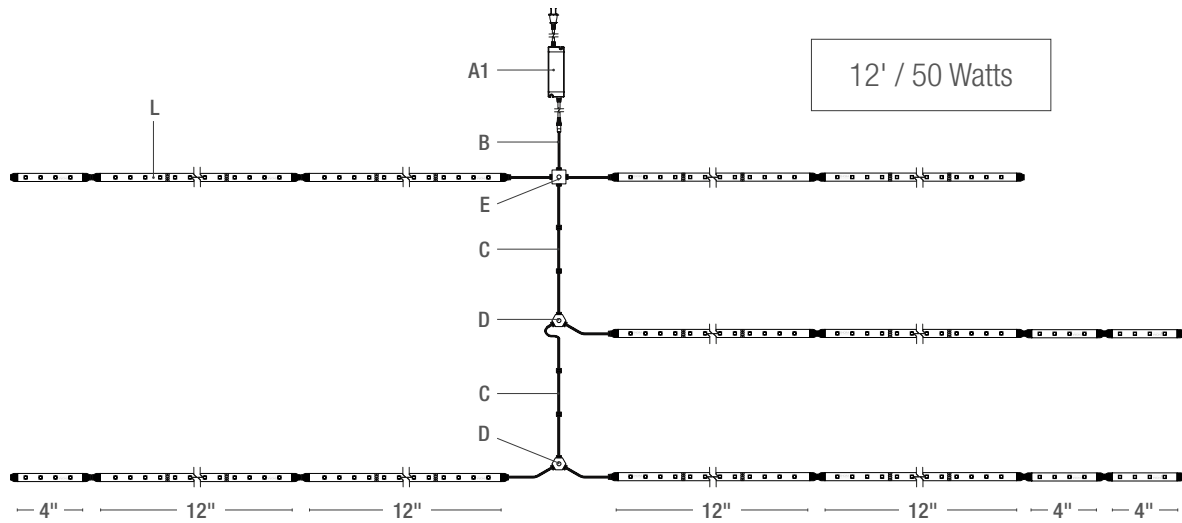
16AWG In-Wall Rated Wire  
**NATL-W16-2-250** 16AWG 250'  
**NATL-W16-2-20** 16AWG 20'  
 16 AWG low voltage Class II two-conductor, in-wall rated wire.



Terminal/Splitter Block  
**NATL-407** 4-Way  
 2-3/8"L x 1-1/8"W x 7/8"D  
**NATL-408** 8-Way  
 4"L x 1-1/8"W x 7/8"D

# LED TAPE LIGHT

## HIGH OUTPUT SAMPLE LAYOUT



	DESCRIPTION	ITEM #
A1	96W Direct Plug-In LED Driver	NATL-596W
A2	96W Dimmable Class II Power Supply	NMT-96/24C2D1
B	12" Power Line Interconnector (one included with each Tape Light roll)	NAHO-609W
C	2" Interconnection Cable	NAHO-602W
	6" Interconnection Cable	NAHO-606W
	18" Interconnection Cable	NAHO-618W
	36" Interconnection Cable	NAHO-636W
	72" Interconnection Cable	NAHO-672W
D	"Y" Splitter Cable	NAHO-600W
E	"X" Splitter Cable	NAHO-601W
L	4" High Output LED Tape Light	NUTP5-WLED(color)/4
	12" High Output LED Tape Light	NUTP5-WLED(color)/12
	16' High Output LED Tape Light Roll	NUTP5-W16LED(color)

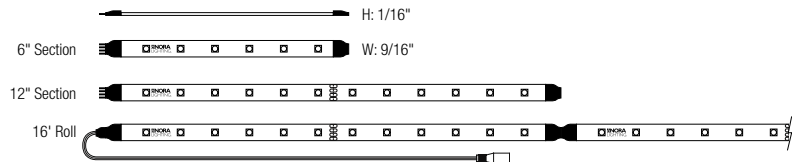


# LED TAPE LIGHT

## RGB COLOR CHANGING 12V OR 24V

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	VOLTAGE	COLOR TEMP
<b>NUTP3-W16LEDRGB</b>	16' Roll	White	24V	Color Changing RGB
<b>NUTP3-WLEDRGB/12</b>	12" Section	White	24V	
<b>NUTP3-WLEDRGB/6</b>	6" Section	White	24V	
<b>NUTP6-16LEDRGB</b>	16' Roll	Amber	12V	
<b>NUTP6-LEDRGB/12</b>	12" Section	Amber	12V	
<b>NUTP6-LEDRGB/6</b>	6" Section	Amber	12V	

*Example: NUTP3-W16LEDRGB - 24V RGB LED Tape Light, 16' roll*

*16' Tape Roll includes sixteen 12" sections. 12" and 6" Tape sections contain male/female ends.*

#### FEATURES:

- 12V or 24V systems
- Separable every 12" - easily disconnected and connected without soldering
- 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
- Easy to install with pre-applied 3M™ tape or accessories

RGB LED Tape Light has the colors Red, Green, and Blue in every LED diode. Several colors of visual spectrum can be selected and programmed with a 120° viewing angle. A stationary color, automatic changing colors and brightness can be selected and changed at anytime with the press of a button. Low profile RGB LED Tape Light is ideal for use in show exhibition lighting, architectural enhancements, bars, theaters, store fronts, or anywhere you need a punch of color.

**Voltage:** 12V or 24V

**Wattage:** 2.5W per foot

**Light Source:** 12 LEDs per foot

**Color Temperature:** Color Changing RGB

**Maximum Run Length:** 40' (24V) / 24' (12V)

**CONSTRUCTION:** The silicone encapsulated tape can be cut every 3" (12V) or 6" (24V) at marked intervals. Cutting does not effect circuit (shrink wrap tube included for concealment). RGB Tape Light is also separable every 12", each connection has pre-applied shrink wrap around connections. Simply slice the clear shrink wrap at each electrical connection, and separate pieces. This eliminates soldering when using partial rolls.

**MOUNTING:** Each RGB Tape Light section or roll comes with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

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

**CONTROLLER:** Each run requires a controller, which can be linked together for color synchronization.

**INCLUDED WITH TAPE LIGHT ROLL:** Each Tape Light Roll includes: (1) 16' Tape Light Roll, (1) 12" power line interconnector and (15) clear acrylic clips.

#### LISTINGS & WARRANTY:

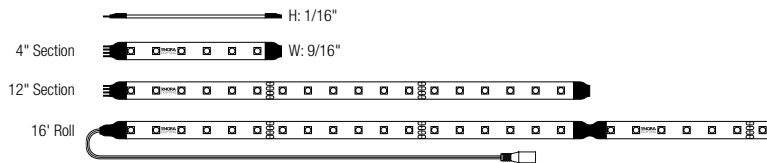
- cULus Listed for Damp Location
- 3 Year Limited Warranty





# LED TAPE LIGHT

## 24V CCT COLOR TUNNING



2500K warm - 4500K cool



### CCT COLOR TUNNING 24V LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	VOLTAGE	COLOR TEMP
<b>NUTP10-W16CCT</b>	16' Roll	White	24V	Color Tunning 2500K-4500K
<b>NUTP10-WCCT/12</b>	12" Section	White	24V	
<b>NUTP10-WCCT/4</b>	4" Section	White	24V	

*Example: NUTP10-W16CCT - 24V Color Tunning (2500K-4500K) LED Tape Light, 16' roll*

*16' Tape Rolls include sixteen 12" sections. 12" and 4" Tape sections contain male/female ends.*

#### FEATURES:

- 192 LEDs / 40W per roll - 12 LEDs / 2.5W per ft.
- 24V DC System
- Change Kelvin temperature from 2500K-4500K with hand held remote, wall controller or Spectrum
- Synchronizable
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 4" or 6 LEDs
- 16' Maximum run length
- Dimmable with dimmable power supply
- Easy to install with pre-applied 3M™ tape or accessories

CCT Color Changing LED Light allows the end user to select from a 2500K to 4500K temperature with a handheld control. Different applications require different Kelvin temperatures to enhance various color spectrums. Use 2500K for a warm red enhancing application and 4500K for a blue/green enhancing application. The RF controller is operated with a remote or controller that lets the end user select the temperature and intensity as the application or mood changes as well as having the option to set optional automatic changing modes.

#### ELECTRICAL:

**Voltage:** 24V

**Wattage:** 2.5W per foot

**Light Source:** 12 Dual LEDs per foot

**Color Temperature:** Color Tuning 2500K-4500K

**Maximum Run Length:** 16'

**INCLUDED WITH TAPE LIGHT ROLL:** Each Tape Light roll includes: (1) 16' Tape Light Roll, (1) 12" power line interconnector and (15) clear acrylic clips.

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

**MOUNTING:** Each Tape Light section or roll comes with with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

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

#### LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



# LED TAPE LIGHT

## RGB & CCT COLOR CHANGING ACCESSORIES AND DRIVERS



RGB 2.4G Full Color RF Controller and Hand Held Remote

**NARGB-860/61**

12V/24V controller is required for each RGB LED Tape Light run. Installs between the driver and the power line interconnector. The controller can be used to toggle between colors or changing modes.



RGB Controller

**NARGB-760** 24V Controller

**NARGB-765** 12V Controller

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



RGB Controller Hand Held Remote

**NARGB-761**

Up to 22' away. Must be in direct view line of RGB controller to work correctly. Used to program RGB Tape Light run to certain color configurations.

**Key Selections:** Brightness, Colors, Color Changing - Flash, Strobe, Fade and Smooth Fade, On/Off



RGB Touch Pad Wall Controller

**NARGB-866**

12V - 144W max or 24V - 288W max. Includes mounting back box. Requires driver. Local control of RGB, select static colors, 4 changing modes, on/off with memory and dimming.



Spectrum Wall Slide Control

**NARGB-875W**

Dual-Slide controller for CCT tape or RGB tape. One slide control controls color and the other controls brightness with a positive off. Installs between driver and tape.



CCT Color Tunning Controller (25K-45K)

**NACCT-865**

CCT Color Tunning Hand Held Remote

**NACCT-867**



CCT Touch Pad Wall Controller

**NACCT-868**

**Includes** Mounting back box.

**Requires:** Driver  
Local control of CCT, on/off with memory and dimming.



12V/24V Splitter Cables

**NARGB-700W** Y Splitter

**NARGB-701W** X Splitter

Allows splitting the Tape light from a run or driver into two (Y) or three (X) separate runs.



12V/24V Interconnection Cables

**NARGB-702W** 2" Cable

**NARGB-706W** 6" Cable

**NARGB-718W** 18" Cable

**NARGB-736W** 36" Cable

**NARGB-772W** 72" Cable

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



12V & 24V Power Line Interconnector

**NARGB-710W** 12" Cable

Connects a RGB or CCT tape light run to a controller.

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



Controller Power Line Connector

**NARGB-762W** 10'

**NARGB-763W** 30'

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



End Cap

**NATL-403** B or W

Covers open end of Tape Light. Available in black or white.



Shrink Wrap Tube

**NATL-400** Pack of 5

Seals connection made in the field. Necessary to maintain ETL 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 Tape Light roll.



2' Wire Raceway

**NATL-422** B or W

Field-cuttable plastic. Includes wire channel with double faced tape and cover. Available in black or white.

# LED TAPE LIGHT ACCESSORIES AND DRIVERS RGB & CCT COLOR CHANGING



4' Aluminum Channel

**NATHR-680**

Used to mount tape light to various surfaces. Field cuttable.



4' Shallow Aluminum Channel

**NATL-C23A** with Wing  
**NATL-C24A**

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



4' Deep Aluminum Channels

**NATL-C25A** with Wing  
**NATL-C26A**

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



4' J-Style Aluminum Channels

**NATL-C27A**

Used to mount tape light to various surfaces. Field cuttable.



4' Corner Aluminum Channel

**NATL-C28A**

Plastic diffuser and End caps included. Field cuttable

Note: Dimming drivers are only for powering RGB and CCT tape. Do not use for dimming. Dimming is controlled by hand held remote and wall controls.



Direct Plug-In LED Driver

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

Input Voltage: 120V  
Cable Length: 6 Feet



Direct Plug-In LED Driver

**NAPK-550/12** 12V 50W  
**NATL-596W** 24V 96W

Input Voltage: 120V  
Input Wire: 5' Cord and Plug  
Output Wire: 44" Out Wire



Class II Hardwire LED Driver

**NAPK-5030HW/12** 12V 30W  
**NAPK-5060HW/12** 12V 60W

**NATL-5030HW** 24V 30W  
**NATL-5060HW** 24V 60W  
**NATL-5100HW** 24V 100W

Input Voltage: 120-240V  
Dimming: Non-Dimmable  
Includes: 10' Power Line Connector



Class II Hardwire LED Driver with Breakers

**NMT-244/12C2D1** 12V 4 x 60W

**NMT-303/24C2D1** 24V 3 x 100W

Input Voltage: 120V  
Dimming: N/A for RGB/CCT tape  
Includes: (3 or 4) 10' Power Line Connectors



Class II Hardwire LED Driver with Regulator

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

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

Input Voltage: 120-277V  
Dimming: N/A for RGB/CCT tape  
Regulator: Integral regulator for constant current and voltage  
Includes: 10' Power Line Connector



Power Line Connector

**NALTL-10** 10' Cable  
**NALTL-30** 30' Cable

For use with Class II drivers. Carries output from driver, requires power line interconnectors.



5' Power Line Splitter

**NATL-302** B or W

Splits power line connector into two separate leads, requires power line cable. Available in Black or White.



16AWG In-Wall Rated Wire

**NATL-W16-2-250** 16AWG 250'

**NATL-W16-2-20** 16AWG 20'

16 AWG low voltage Class II two-conductor, in-wall rated wire.



Low Voltage Splice Box

**NATL-415W**

Joins low voltage lead to low voltage power line connector or interconnector.



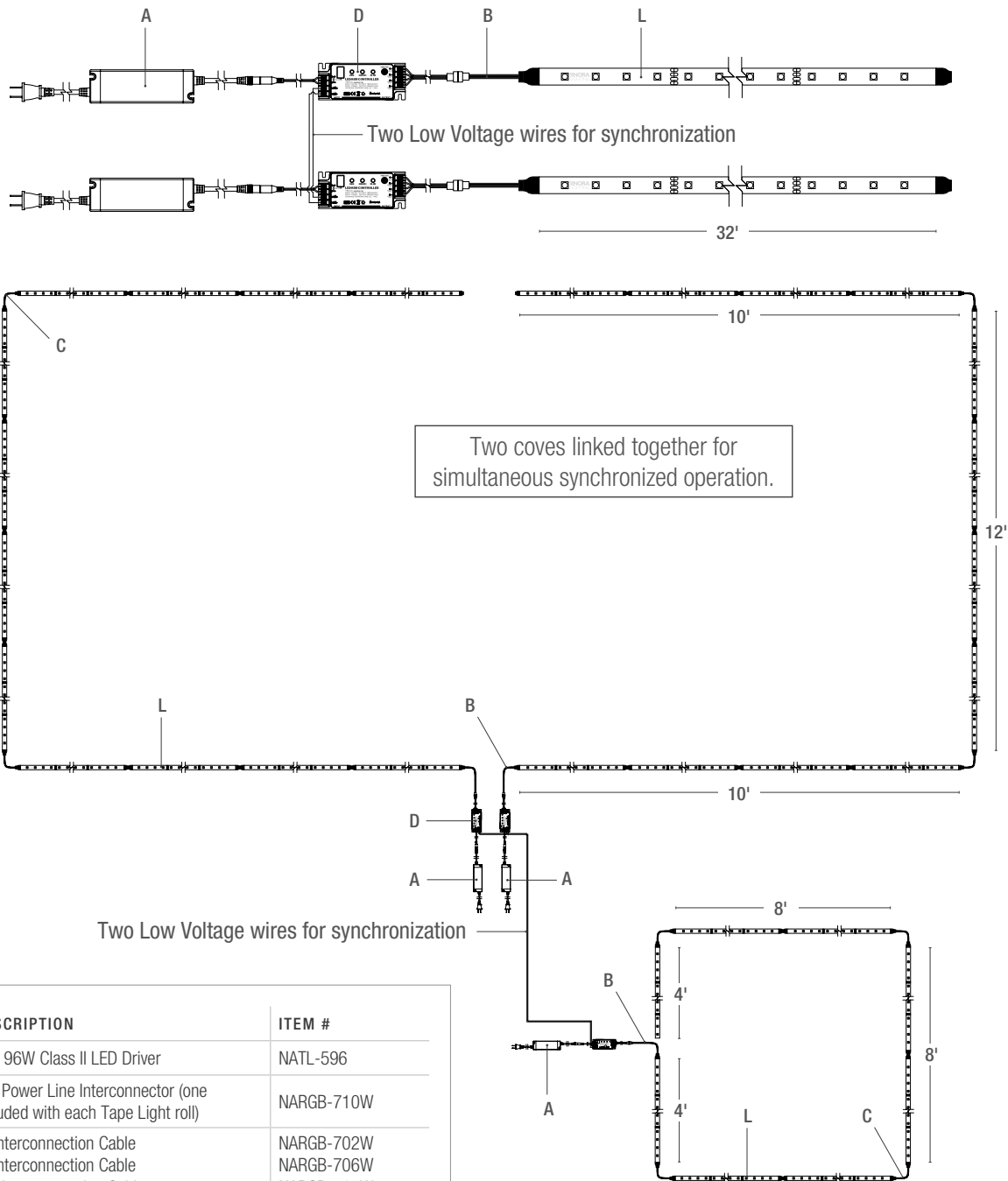
Terminal/Splitter Block

**NATL-407** 4-Way  
2-3/8"L x 1-1/8"W x 7/8"D

**NATL-408** 8-Way  
4"L x 1-1/8"W x 7/8"D

# LED TAPE LIGHT

## RGB COLOR CHANGING SAMPLE LAYOUT

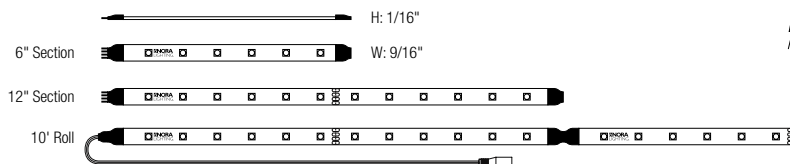


	DESCRIPTION	ITEM #
A	24V 96W Class II LED Driver	NATL-596
B	12" Power Line Interconnector (one included with each Tape Light roll)	NARGB-710W
C	2" Interconnection Cable	NARGB-702W
	6" Interconnection Cable	NARGB-706W
	18" Interconnection Cable	NARGB-718W
	36" Interconnection Cable	NARGB-736W
D	72" Interconnection Cable	NARGB-772W
	24V RGB Controller	NARGB-760
L	24V 16' RGB LED Tape Light Rolls (Disconnect every 12" or can be cut every 6", contains (16) 12" segments)	NUTP3-W16LEDRGB



# LED TAPE LIGHT

## 24V RGBW COLOR CHANGING



### FEATURES:

- 350 Lumens per foot
- 90+ CRI
- 180 LEDs / 50W per roll - 18 LEDs / 5W per ft.
- 24V DC, 5-wire System
- Color Changing tape with a dedicated 3000K diode
- Synchronizable
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 6" - easily disconnected and connected without soldering
- Field cuttable every 6" or 6 LEDs
- 10' maximum run length
- Dimmable with dimmable power supply
- Easy to install with pre-applied 3M™ tape or accessories

### RGBW COLOR CHANGING LED TAPE LIGHT

CATALOG NO.	LENGTH	TAPE COLOR	VOLTAGE	COLOR TEMP
NUTP11-W10RGBW	10' Roll	White	24V	Color Changing RGB with dedicated 30K diode
NUTP11-WRGBW/12	12" Section	White	24V	
NUTP11-WRGBW/6	6" Section	White	24V	

Example: **NUTP11-W10RGBW**- 24V RGBW Color Changing LED Tape Light, 10' roll

10' Tape Rolls include ten 12" sections. 12" and 6" Tape sections contain male/female ends.

RGBW tape takes the existing RGB (Red, Green, Blue) tape and adds a separate 30K diode for quality usable white light. The RGBW tape consumes 5 watts per foot with a bright 2.5 watts dedicated to the 30K chip and 2.5 watts dedicated to the RGB chip. The RGBW offers the flexibility to create pastel colors using the RGB at the same time as the white, as well as producing a high quality white light when needed, and the ability to change to RGB and color changing when the mode or application changes. The 5-wire system has a dedicated RF controller allowing flexibility during installation and a hand-held control with multiple functions.

#### ELECTRICAL:

**Voltage:** 24V DC input

**Wattage:** 5W per foot

**Light Source:** 18 LEDs Per Foot

**Color Temperature:** Color Changing RGB with dedicated 30K diode

**Maximum Run Length:** 10'

**INCLUDED WITH TAPE LIGHT ROLL:** Each Tape Light roll includes: (1) 10' Tape Light Roll, (1) 12" power line interconnector and (15) clear acrylic clips.

**CONSTRUCTION:** The tape is separable every 12", and can be cut every 6 LEDs at marked 6" intervals. Cutting does not effect circuit.

**MOUNTING:** Each Tape Light section or roll comes with with pre-applied 3M™ adhesive tape for simple installation. Channels, acrylic clips and raceways are available, see accessories.

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

#### LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty



#### LIGHTING TIP

RGBW LED Tape allows the user to select a beautiful bright 30K light for everyday use and then choose colors for special occasions.

# LED TAPE LIGHT

## RGBW COLOR CHANGING ACCESSORIES AND DRIVERS



RGBW Full Color  
RF Controller

**NARGBW-965**

360W Max. A controller is required for each RGBW LED Tape Light run. Installs between the driver and the power line interconnector. The controller can be used to toggle between colors or changing modes.



RGBW Controller Hand Held  
Remote

**NARGBW-967**

Used to program RGBW tape light to certain color configurations. Can be used up to 22' from RGBW controller, must be in direct view.

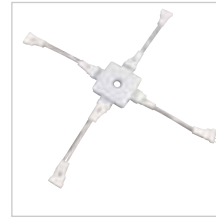
**Key Selections:** Brightness, Colors, Color Changing - Flash, Strobe, Fade and Smooth Fade, On/Off



Y Splitter Cable

**NARGBW-900W**

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



X Splitter Cable

**NARGBW-901W**

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



Interconnection Cables

**NARGBW-902W** 2" Cable  
**NARGBW-906W** 6" Cable  
**NARGBW-918W** 18" Cable  
**NARGBW-936W** 36" Cable  
**NARGBW-972W** 72" Cable

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



Power Line Interconnector

**NARGBW-910W** 12" Cable

Connects an RGBW controller. *Note: (1) NARGBW-910 is included with every RGBW Tape Light roll. Use interconnection cables to increase length.*



Controller Power Line  
Connector

**NARGBW-962W** 10'  
**NARGBW-963W** 30'

Replaces included 9-1/2" input wire, to allow for a longer length between controller and LED Driver.



End Cap

**NATL-403** B or W

Covers open end of Tape Light. Available in black or white.



Shrink Wrap Tube

**NATL-400** Pack of 5

Seals connection made in the field. Necessary to maintain ETL 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 Tape Light roll.



4' Aluminum Channel

**NATHR-680**

Used to mount tape light to various surfaces. Field cuttable.



4' Shallow Aluminum  
Channel

**NATL-C23A** with Wing  
**NATL-C24A**

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



4' Deep Aluminum  
Channels

**NATL-C25A** with Wing  
**NATL-C26A**

Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



4' J-Style Aluminum  
Channels

**NATL-C27A**

Used to mount tape light to various surfaces. Field cuttable.



4' Corner Aluminum  
Channel

**NATL-C28A**

Plastic diffuser and End caps included. Field cuttable

# LED TAPE LIGHT ACCESSORIES AND DRIVERS RGBW COLOR CHANGING



Direct Plug-In LED Driver

<b>NATL-524W</b>	24W
<b>NATL-545W</b>	45W

**Voltage:** 120V/24V  
**Wattage:** 24W, 45W or 96W  
**Dimming:** Non-Dimmable  
**Cable Length:** 6'



Direct Plug-In LED Driver

<b>NATL-596W</b>	96W
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**Voltage:** 120V/24V  
**Wattage:** 96W  
**Dimming:** Non-Dimmable  
**Input Wire:** 5' Cord and Plug  
**Output Wire:** 44" Out Wire



Class II Hardwire LED Driver

<b>NATL-5030HW</b>	30W
<b>NATL-5060HW</b>	60W
<b>NATL-5100HW</b>	100W

**Voltage:** 120V/24V  
**Wattage:** 30W, 60W or 100W  
**Dimming:** Non-Dimmable  
**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver with Breakers

<b>NMT-303/24C2D1</b>	3x100W
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**Voltage:** 120V/24V  
**Wattage:** (3) 100W  
**Dimming:** N/A for RGBW tape  
**Includes:** (3) 10' Power Line Connectors



Class II Hardwire LED Driver with Regulator

<b>NMTD-60/24D</b>	60W
<b>NMTD-96/24D</b>	96W

**Voltage:** 120-277V/24V  
**Wattage:** 60W or 96W  
**Dimming:** N/A for RGBW tape  
**Regulator:** Integral regulator for constant current and voltage  
**Includes:** 10' Power Line Connector



Power Line Connector

<b>NALTL-10</b>	10' Cable
<b>NALTL-30</b>	30' Cable

For use with Class II drivers. Carries output from driver, requires power line cable.



5" Power Line Splitter

<b>NATL-302</b>	B or W
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Splits power line connector into two separate leads, requires power line interconnector. Available in Black or White.



Low Voltage Splice Box

<b>NATL-415W</b>	
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Use to join low voltage lead to power line connector.



16AWG In-Wall Rated Wire

<b>NATL-W16-2-250</b>	16AWG 250'
<b>NATL-W16-2-20</b>	16AWG 20'

16 AWG low voltage Class II two-conductor, in-wall rated wire.



Terminal/Splitter Block

<b>NATL-407</b>	4-Way 2-3/8"L x 1-1/8"W x 7/8"D
<b>NATL-408</b>	8-Way 4"L x 1-1/8"W x 7/8"D

**NOTE:**

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





# LED CONTINUOUS TAPE LIGHT ROLL

## 24V STANDARD / HY-BRITE / HIGH OUTPUT



### 24V CONTINUOUS ROLL LED TAPE LIGHT

CATALOG NO.	LENGTH	TYPE	VOLTAGE	LUMEN/W/FT	MAX RUN	COLOR TEMP
<b>NUTP51-W100LED</b>	100'	Hy-Brite	24V	210lm/2.7W	32'	<b>927</b> 2700K <b>930</b> 3000K <b>942</b> 4200K
<b>NUTP51-W20LED</b>	20'	Hy-Brite	24V	210lm/2.7W	32'	
<b>NUTP71-W100LED</b>	100'	Standard	24V	80lm/1.3W	64'	
<b>NUTP71-W20LED</b>	20'	Standard	24V	80lm/1.3W	64'	
<b>NUTP81-W100LED</b>	100'	High Output	24V	310lm/4.3W	20'	
<b>NUTP81-W20LED</b>	20'	High Output	24V	310lm/4.3W	20'	

Example: **NUTP71-W100LED930**- 24V Continuous Standard LED Tape Light, 100' roll, 3000K

**Note:** Consult factory for custom cuts.

#### FEATURES:

- Continuous 100' or 20' rolls
- 24V DC System
- Available in three outputs (310lm, 210lm or 80lm per foot)
- Available in three color outputs: Cool White (4200K), Warm White (3000K), Warm White (2700K)
- Dedicated Flip type connectors
- Field cuttable every 4"
- Easy to install with pre-applied 3M™ tape or clips
- No soldering
- Maximum single runs:
  - NUTP51 - 32 Feet
  - NUTP71 - 64 Feet
  - NUTP81 - 20 Feet
- Dimmable with dimmable power supply
- 90+ CRI

Continuous tape allows greater installation flexibility. The 100' or 20' rolls can be cut every 4" and is easily connected to another piece of tape with flip connectors. The tape can be used in coves, niches, under or over cabinets and other architectural features.

#### ELECTRICAL:

**Voltage:** 24V

**Lumens / Wattage:**

NUTP51 - 210lm / 2.7W per foot

NUTP71 - 80lm / 1.3W per foot

NUTP81 - 310lm / 4.3W per foot

**Light Source:** 18 LEDs Per Foot

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

**Color Rendering Index:** 90+ CRI

**Color Temperature:** 2700K, 3000K, 4200K

**Maximum Run Length:** 32' (NUTP51), 64' (NUTP71), 20' (NUTP81)

**INCLUDED WITH 100' TAPE LIGHT ROLL:** Each Tape Light roll includes: (1) 100' Tape Light Roll, (1) 12" power line interconnector and (50) clear acrylic clips.

**INCLUDED WITH 20' TAPE LIGHT ROLL:** Each Tape Light roll includes: (1) 20' Tape Light Roll, (1) 12" power line interconnector and (10) clear acrylic clips.

**MOUNTING:** Each Continuous Tape Light roll comes with with pre-applied 3M™ adhesive tape and clear acrylic clips for simple installation. Accessories are also available.

**DRIVER:** A wide variety of drivers are available from direct plug-ins, Class II and hardwire dimmable Class II drivers up to 300W and NEXUS driver/dimmers.

#### LISTINGS & WARRANTY:

- cULus Listed for Damp Location
- IP44 Rated
- 3 Year Limited Warranty





# LED TAPE LIGHT

## CONTINUOUS WHITE TAPE LIGHT ACCESSORIES AND DRIVERS



Flip-Type Link Connector  
**NATLCFC-(S)00A** 12mm  
**Tape Style (S):**  
 2 NUTP71  
 6 NUTP51 or NUTP81



Flip-Type Interconnection Cable  
**NATLCFC-(S)03A** 3"  
**NATLCFC-(S)06A** 6"  
**NATLCFC-(S)12A** 12"  
**NATLCFC-(S)24A** 24"  
**NATLCFC-(S)48A** 48"  
**NATLCFC-(S)72A** 72"  
**Tape Style (S):**  
 2 NUTP71  
 6 NUTP51 or NUTP81  
 Links two pieces of tape.



Flip-Type Splice Connector  
**NATLCFC-(S)08/3A** 3"  
**NATLCFC-(S)08/12A** 12"  
**NATLCFC-(S)08/48A** 48"  
**NATLCFC-(S)08/96A** 96"  
**Tape Style (S):**  
 2 NUTP71  
 6 NUTP51 or NUTP81  
 Flip connector for tape to power or joining tape (no DC plug).



Flip-Type DC Plug Connector Cable  
**NATLCFC-(S)09/3A** 3"  
**NATLCFC-(S)09/12A** 12"  
**NATLCFC-(S)09/48A** 48"  
**NATLCFC-(S)09/96A** 96"  
**Tape Style (S):**  
 2 NUTP71  
 6 NUTP51 or NUTP81  
 Flip connector for tape to power or joining tape with DC plug.



Clear Acrylic Mounting Clips  
**NATHR-685** Pack of 15  
 Used to mount tape light to surfaces, includes mounting screws. Pack of 50 are included with every roll.



4' Shallow Aluminum Channel  
**NATL-C23A** with Wing  
**NATL-C24A**  
 Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



4' Deep Aluminum Channels  
**NATL-C25A** with Wing  
**NATL-C26A**  
 Used to mount tape light to various surfaces. Plastic diffuser and end caps included. Field cuttable.



4' J-Style Aluminum Channels  
**NATL-C27A**  
 Used to mount tape light to various surfaces. Field cuttable.



4' Corner Aluminum Channel  
**NATL-C28A**  
 Plastic diffuser and End caps included. Field cuttable



J-Clip for Wire, White Plastic  
**NATL-404W** 10/pk



Over the Wire Clip, White Plastic  
**NATL-405W** 10/pk



Wire Clip for Wire, White Plastic  
**NATL-406W** 10/pk



2' Wire Raceway  
**NATL-422** B or W  
 Field-cuttable plastic. Includes wire channel with double faced tape and cover. Black or White.



4' Aluminum Channel  
**NATHR-680**  
 Used to mount tape light to various surfaces. Field cuttable.

# LED TAPE LIGHT

## ACCESSORIES AND DRIVERS CONTINUOUS WHITE TAPE LIGHT



**NEXUS® All-in-One LED Driver and Dimmer**

**NATL-SWEX100/24A** 100W

**NATL-SWEX/3FP** 3 Face Plates

**Voltage:** 120V/24V  
**Wattage:** 100W  
**Dimming:** Integral Dimmer  
**Description:** Eliminates the driver and allows 120V input and 12V output from a single gang box. 100-5% dimming and on/off switch.



**Direct Plug-In LED Driver**

**NATL-524W** 24W

**NATL-545W** 45W

**NATL-596W** 96W

**Voltage:** 120V/24V  
**Wattage:** 24W, 45W or 96W  
**Dimming:** Non-Dimmable  
**Cable Length:** 6' (NATL-524 and 545) or 5' cord & plug and 44" power line connector (NATL-596)



**Class II Hardwire LED Driver**

**NATL-5030HW** 30W

**NATL-5060HW** 60W

**NATL-5100HW** 100W

**Voltage:** 120V/24V  
**Wattage:** 30W, 60W or 100W  
**Dimming:** Non-Dimmable  
**Includes:** 10' Power Line Connector



**Class II Hardwire LED Driver with Breakers, MLV Dimming**

**NATL-5096-24-HWD10** 96W

**Voltage:** 120-277V/24V  
**Wattage:** 96W  
**Dimming:** 0-10V  
**Includes:** 10' Power Line Connector



**Class II Hardwire LED Driver with Breakers, MLV Dimming**

**NMT-303/24C2D1** 3x100W

**Voltage:** 120V/24V  
**Wattage:** (3) 100W  
**Dimming:** Magnetic Low Voltage  
**Includes:** (3) 10' Power Line Connectors



**Class II Hardwire LED Driver with Regulator, MLV Dimming**

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

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

**Voltage:** 120-277V/24V  
**Wattage:** 60W or 96W  
**Dimming:** Magnetic Low Voltage  
**Regulator:** Integral regulator for constant current and voltage  
**Includes:** 10' Power Line Connector



**Power Line Connector**

**NATL-10** 10' Cable

**NATL-30** 30' Cable

For use with Class II drivers. Carries output from driver, requires power line cable.



**5" Power Line Splitter**

**NATL-302** B or W

Splits power line connector into two separate leads, requires power line cables. Available in Black or White.



**In-Line Touch Dimmer**

**NATL-518W**

72W max., no power fail memory, touch on/off and hold to dim.



**DC Plug and Play Motion Sensor**

**NAL-856W**

12" Max activation distance; 20 second auto off; 120° detection zone; Max Load 4A.



**Low Voltage Splice Box**

**NATL-415W**

Use to join low voltage lead to power line connector.



**16AWG In-Wall Rated Wire**

**NATL-W16-2-250** 16AWG 250'

**NATL-W16-2-20** 16AWG 20'

16 AWG low voltage Class II two-conductor, in-wall rated wire.



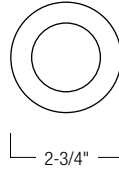
**Terminal/Splitter Block**

**NATL-407** 4-Way  
2-3/8"L x 1-1/8"W x 7/8"D

**NATL-408** 8-Way  
4"L x 1-1/8"W x 7/8"D

# JOSH ACCENT, UNDER CABINET, LINEAR, COVE

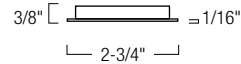
## 12V LED PUCK LIGHT



### Recessed Mount



### Surface Mount



### JOSH 12V LED PUCK LIGHT

SERIES / LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NMP-LED</b> 300lm / 4.5W	<b>27</b> 2700K	<b>B</b> Black
	<b>30</b> 3000K	<b>BN</b> Brushed Nickel
	<b>35</b> 3500K	<b>BZ</b> Bronze
	<b>40</b> 4000K	<b>W</b> White

Example: **NMP-LED30BZ** - Josh LED Puck Light, 3000K, Bronze finish

Josh LED Puck Light is ideal for accent, under cabinet, in cabinet, display cases, niche, and other applications with limited space. These low-profile fixtures can be spaced together to provide excellent and even illumination on all surfaces. Josh may be recess or surface mounted with included surface mount housing. The Josh LED Puck Light produces no diode image, eliminates forward heat and has no UV or infrared rays to harm artwork, retail displays or heat sensitive foods. The LED Josh Puck produces more light than a traditional 20 watt xenon or halogen puck while consuming only 4.5 Watts.

#### FEATURES:

- Compact 1/2" deep by 2-3/4" diameter size makes it well suited to small spaces
- Easy installation
- Dimmable with dimmable power supply
- 22" wire included with each puck
- 12", 24", 38" and 48" accessory extension cables available
- No flicker delay or warm up like with compact fluorescent products
- No UV light or infrared wavelengths

#### ELECTRICAL:

**Voltage:** 12V DC  
**Lumens / Wattage:** 300lm / 4.5W at 4000K  
**Light Source:** 24 LEDs  
**Color Rendering Index:** 90+ CRI  
**Color Temperature:** 2700K, 3000K, 3500K, 4000K  
**Maximum Length:** Six luminaires per run using connector block. Power up to 12 units per 60W power supply.

**CONSTRUCTION:** Die-cast aluminum, round, available in four different finishes: white and brushed nickel (both with 22" white cord), and black and bronze (both with 22" black cord).

**MOUNTING:** Puck light can be surface mounted with included surface mount housing or recessed without housing.

#### FINISHES:

Black (B), Brushed Nickel (BN), Bronze (BZ) or White (W)

#### LISTINGS & WARRANTY:

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



# ACCENT, UNDER CABINET, LINEAR, COVE **JOSH LED PUCK LIGHTS**

## ACCESSORIES AND DRIVERS **12V LED PUCK LIGHT**



6-Port Power Line Interconnect

**NMPA-6P-24B** Black  
**NMPA-6P-24W** White

Terminal block connects up to six LED Josh Puck lights to a Nora driver. Includes 24" cord with RCA jack.



Extension Cable

**NMPA-EW-12** 12" Cable  
**NMPA-EW-24** 24" Cable  
**NMPA-EW-36** 36" Cable  
**NMPA-EW-48** 48" Cable

**Finish:** Black (B), White (W)  
Used to extend the length of the cable from the puck to the terminal block. Linkable up to 110".



2' Wire Raceway

**NATL-422** B or W

Field-cutttable plastic. Includes wire channel with double faced tape and cover. Black or White.



in-Line Touch Dimmer

**NATL-518W**

72W max., no power fail memory, touch on/off and hold to dim.



DC Plug and Play Motion Sensor

**NAL-856W**

12' Max activation distance; 20 second auto off; 120° detection zone; Max Load 4A.



NEXUS® All-in-One LED Driver and Dimmer

**NATL-SWEX60/12A** 60W

**NATL-SWEX/3FP3** Face Plates

**Voltage:** 120V/12V

**Dimming:** Integral Dimmer

**Description:** Eliminates the driver and allows 120V input and 12V output from a single gang box. 100-5% dimming and on/off switch.



Direct Plug-In LED Driver

**NAPK-524/12** 24W

**NAPK-550/12** 50W

**Voltage:** 120V/12V

**Wattage:** 24W or 50W

**Dimming:** Non-Dimmable

**Cable Length:**

6' cord & plug and 60" power line connector for NAPK-550/12



Class II Hardwire LED Driver

**NAPK-5030HW/12** 30W

**NAPK-5060HW/12** 60W

**Voltage:** 120-240V/12V

**Wattage:** 30W or 60W

**Dimming:** Non-Dimmable

**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver with Breakers, MLV Dimming

**NMT-244/12C2D1** 4x60W

**Voltage:** 120V/12V

**Wattage:** (4) 60W

**Dimming:** Magnetic Low Voltage

**Includes:** (4) 10' Power Line Connectors



Class II Hardwire LED Driver 0-10V Dimming

**NATL-5060-12-HWD10** 60W

**Voltage:** 120-277V/12V

**Wattage:** 60W

**Dimming:** 0-10V

**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver with Regulator, MLV Dimming

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

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

**Voltage:** 120-277V/12V

**Wattage:** 40W or 60W

**Dimming:** Magnetic Low Voltage

**Regulator:** Integral regulator for constant current and voltage

**Includes:** 10' Power Line Connector



Power Line Connector

**NATL-10** 10' Cable

**NATL-30** 30' Cable

For use with Class II drivers.

Carries output from driver, requires power line cable.



Power Line Splitter

**NATL-302** 5" Cable

Splits power line connector into two separate leads, requires power line interconnects. Available in black or white.



Low Voltage Splice Box

**NATL-415W**

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



16AWG In-Wall Rated Wire

**NATL-W16-2-250** 16AWG 250'

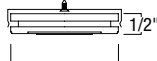
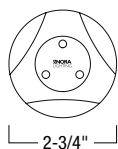
**NATL-W16-2-20** 16AWG 20'

16 AWG low voltage Class II two-conductor, in-wall rated wire.





ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING **LED PUCK LIGHTS**  
**12V LED PUCK LIGHT**



**FEATURES:**

- 210 lumens / 4.2W
- Available in single units or a three-puck kit
- Ten pucks can be daisy-chained on a single run
- 90' Maximum Distance
- 3000K Warm White or 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)
- Variety of plug-in, hardwire or dimmable drivers
- Surface mount or recessed with accessory

**12V LED PUCK LIGHT**

CATALOG NO.	LUMENS / WATTAGE	COLOR TEMP	FINISH
<b>NMPK1-3</b> 3-LED Puck Light	<b>LED</b> 210lm / 4.2W	<b>30</b> 3000K <b>42</b> 4200K	<b>BZ</b> Bronze <b>C</b> Chrome <b>W</b> White
<b>NMPK2-3</b> (3) 3-LED (each puck) Puck Light Kit	<b>LED</b> 210lm / 4.2W (each)	<b>30</b> 3000K <b>42</b> 4200K*	<b>BZ</b> Bronze <b>C</b> Chrome <b>W</b> White

*Example: NMPK1-3LED30BZ - One LED Puck Light, 210lm / 4.2W, 3000K, Bronze finish*

*\* While supplies last*

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 LED Puck Light is one of the most energy efficient products in the market. Combined with ultra low-profile housing, the luminaire offers unique features and a great ease of installation.

**ELECTRICAL:**

**Voltage:** 12V

**Lumens / Wattage:** 210lm / 4.2W

**Color Temperature:** 3000K or 4200K

**Maximum Distance:** 90' (10 LED Puck Lights max.)

**PUCK LIGHT:** Each LED Puck Light includes a 3", 6", 12", and 24" interconnection cable and mounting clip with screw.

**PUCK LIGHT KIT:** LED Puck Light Kit is a complete package ready from the box. Includes:

- (3) LED Puck Lights
- (3) Sets of 3", 6", 12", and 24" interconnection cables
- (3) Couplers
- (1) 12" Power Line Interconnector with switch
- (3) Mounting clips with screws
- (1) 24W Direct Plug-In Driver.

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

**FINISHES:**

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

**LISTINGS & WARRANTY:**

- cULus Listed for Dry Location
- ROHS compliant
- 3 Year Limited Warranty



# LED PUCK LIGHTS ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING

## 12V LED PUCK LIGHT ACCESSORIES AND DRIVERS



Splitter

<b>NAPK-701B</b>	Black
<b>NAPK-701W</b>	White

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

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

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



Mini Coupler

<b>NAPK-713B</b>	Black
<b>NAPK-713W</b>	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

<b>NAPK-711B</b>	Black
<b>NAPK-711W</b>	White

Allows individual switching of any LED Puck Light run.



18" Power Line Interconnector

<b>NAPK-709B</b>	Black
<b>NAPK-709W</b>	White

Connects puck light to a driver.



Recessed Housing Accessory

<b>NMPKA-RECBZ</b>	Bronze
<b>NMPKA-RECC</b>	Chrome
<b>NMPKA-RECW</b>	White

Used to mount puck light recessed and flush



2' Wire Raceway

<b>NATL-422</b>	B or W
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Field-cutttable plastic. Includes wire channel with double faced tape and cover. Black or White.



Power Line Connector

<b>NALT-10</b>	10' Cable
<b>NALT-30</b>	30' Cable

Carries output from driver, requires power line interconnector. For use with Class II drivers.



Low Voltage Splice Box

<b>NATL-415W</b>	
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Use to join low voltage lead to low voltage power line connector or interconnector.



NEXUS® All-in-One LED Driver and Dimmer

<b>NATL-SWEX60/12A</b>	60W
<b>NATL-SWEX/3FP3</b>	Face Plates

**Voltage:** 120V/12V  
**Dimming:** Integral Dimmer  
**Description:** Eliminates the driver and allows 120V input and 12V output from a single gang box. 100-5% dimming and on/off switch.



Direct Plug-In LED Driver

<b>NAPK-524/12</b>	24W
<b>NAPK-550/12</b>	50W

**Voltage:** 120V/12V  
**Wattage:** 24W or 50W  
**Dimming:** Non-Dimmable  
**Cable Length:** 6' cord & plug and 60" power line connector for NAPK-550/12



Class II Hardwire LED Driver

<b>NAPK-5030HW/12</b>	30W
<b>NAPK-5060HW/12</b>	60W

**Voltage:** 120-240V/12V  
**Wattage:** 30W or 60W  
**Dimming:** Non-Dimmable  
**Includes:** 10' Power Line Connector



Class II Hardwire LED Driver with Breakers, MLV Dimming

<b>NMT-244/12C2D1</b>	4x60W
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**Voltage:** 120V/12V  
**Wattage:** (4) 60W  
**Dimming:** Magnetic Low Voltage  
**Includes:** (4) 10' Power Line Connectors



Class II Hardwire LED Driver 0-10V Dimming

<b>NATL-5060-12-HWD10</b>	60W
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**Voltage:** 120-277V/12V  
**Wattage:** 60W  
**Dimming:** 0-10V  
**Includes:** 10' Power Line Connector

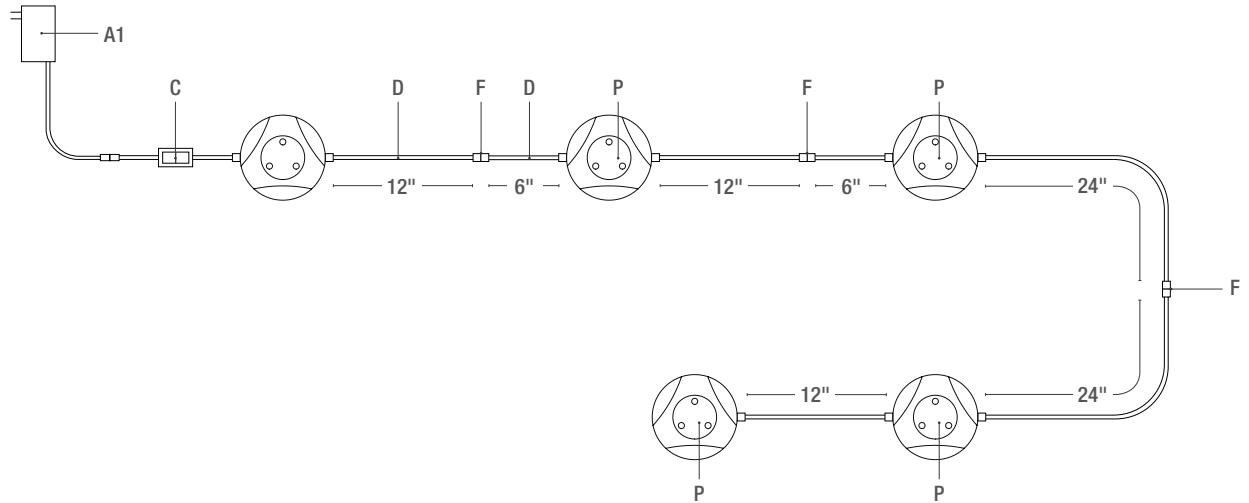


Class II Hardwire LED Driver with Regulator, MLV Dimming

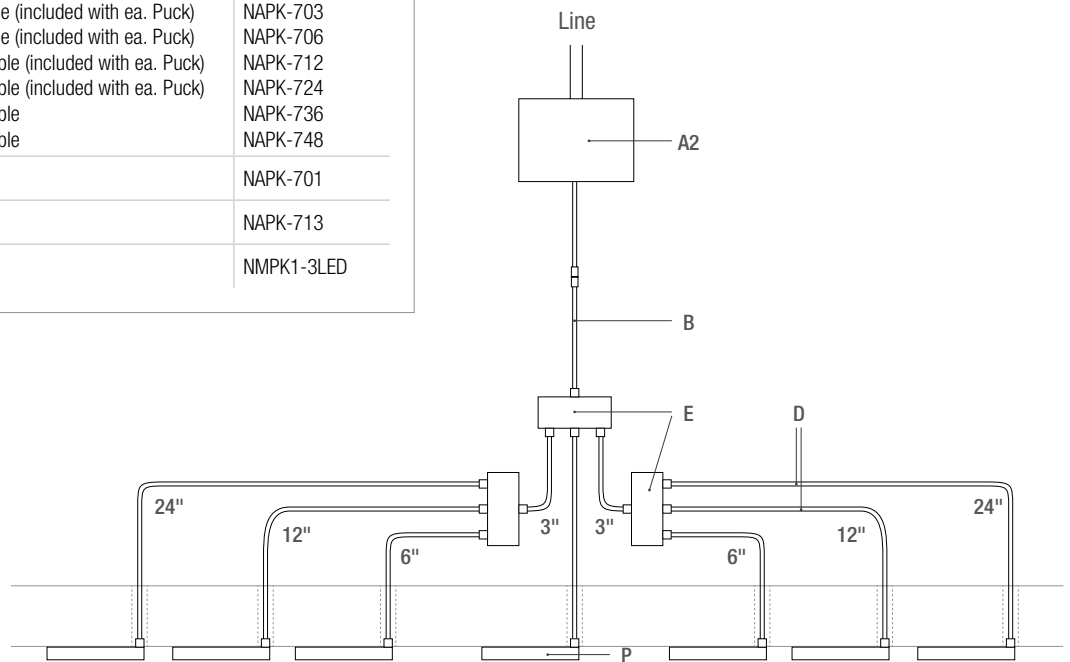
<b>NMTD-40/12D</b>	40W
<b>NMTD-60/12D</b>	60W

**Voltage:** 120-277V/12V  
**Wattage:** 40W or 60W  
**Dimming:** Magnetic Low Voltage  
**Regulator:** Integral regulator for constant current and voltage  
**Includes:** 10' Power Line Connector

ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING **LED PUCK LIGHTS**  
**SAMPLE LAYOUT 12V LED PUCK LIGHT**



	DESCRIPTION	ITEM #
A1	12V Direct Plug-In LED Driver	NAPK-524/12
A2	12V 60W Dimmable Class II Hardwire LED Driver	NMTD-60/12CD
B	18" Power Line Interconnector	NAPK-709
C	12" Power Line Interconnector with Switch	NAPK-711
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
E	Splitter	NAPK-701
	Mini Coupler	NAPK-713
F	Mini Coupler	NAPK-713
P	LED Puck Light	NMPK1-3LED



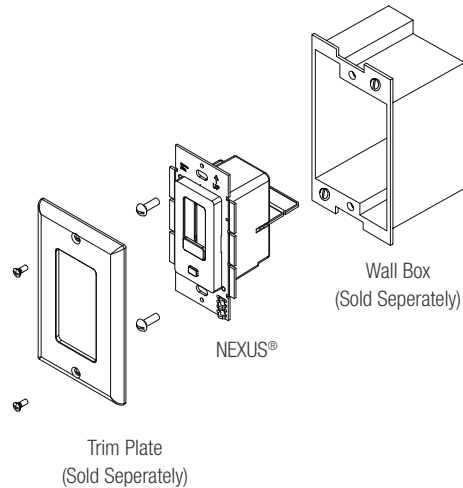
# NORA NEXUS®

## LED DRIVER AND DIMMER ALL-IN-ONE



NEXUS®  
with Decora Plate  
by others

**NATL-SWEX/3FP**  
**Optional Face Plate Kit**  
Includes glossy Dark Brown,  
glossy Light Almond and  
glossy Black face plates



### NORA NEXUS LED DRIVER AND DIMMER

CATALOG NO.	WATTAGE / VOLTAGE
NATL-SWEX	60/12A 60W / 12V
	100/24A 100W / 24V

Example: **NATL-SWEX60/12A**- 60W/12V LED Driver and Dimmer all-in-one.

Nora/NSpec® is proud to present the next generation of LED dimming with NEXUS, an all-in-one LED driver and dimmer. NEXUS eliminates compatibility issues by combining an LED dimmer switch and power supply in one integrated unit. NEXUS mounts in a standard in-wall switch box and fits a standard Decora switch plate. The unit is available in 12V 60W or 24V 100W, provides 100% to 5% dimming, converts 120V AC to DC low voltage.

#### COMPATIBLE LED PRODUCTS

- Standard Tape
- Hy-Brite Tape
- LED Lightbar
- LED Puck
- Side-Lit Tape
- High Output Tape
- LED Lightbar
- LED Flex Light

#### FEATURES

- First LED Driver and In-Wall Dimmer Switch in one integrated unit
- Simplifies LED installation by eliminating compatibility issues between driver and dimmer
- Fits in a standard recessed electrical box
- 100% - 5% smooth dimming
- No minimum load
- Single pole preset dimmer with on/off push switch
- Adjustable voltage output dial addresses voltage drop
- Includes voltage barrier partition to install high and low voltage circuit in same switch box
- No derating required when ganging units
- Power failure memory: If power is interrupted, NEXUS® will return to setting prior to interruption

#### ELECTRICAL:

**Input Voltage:** 120V  
**Output Voltage:** 12V or 24V  
**Wattage:** 60W or 100W  
**Dimming:** 100% to 5%

**FACE PLATE KIT:** Optional face plate kit is available with Glossy Dark Brown, Light Almond or Black face plates.

#### LISTINGS & WARRANTY:

- cULus Listed
- FCC Approved
- ROHS compliant
- 5 Year Limited Warranty
- Conforms to NEC Code 725.136



# SPECIALTY DRIVERS

## LED LIGHTBARS · LED TAPE LIGHT · LED PUCK LIGHTS



Dimmable Class II Hardwire Magnetic Driver with Breakers

<b>NMT-303/24C2D1</b>	24V 3x 100W
<b>NMT-244/12C2D1</b>	12V 4x 60W

**Input Voltage:** 120V

**Output Voltage:** 12V or 24V

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

**Includes:** (3 or 4) 10' power line connector.  
(optional 30' power line connector ordered separately)

**Dimming:** Magnetic Low Voltage



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

<b>NMTD-60/24D</b>	24V 60W
<b>NMTD-96/24D</b>	24V 96W
<b>NMTD-40/12D</b>	12V 40W
<b>NMTD-60/12D</b>	12V 60W

**Input Voltage:** 120V-277V

**Output Voltage:** 12V or 24V

**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)

**Dimming:** Magnetic Low Voltage



Dimmable Class II Hardwire LED Driver  
0-10V Dimming

<b>NATL-5096-24-HWD10</b>	24V 96W
<b>NATL-5060-12-HWD10</b>	12V 60W

**Input Voltage:** 120V-277V

**Output Voltage:** 12V or 24V

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

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

**Dimming:** 0-10V



Non-Dimmable Class II Hardwire LED Driver

<b>NATL-5100HW</b>	24V 100W
<b>NATL-5060HW</b>	24V 60W
<b>NATL-5030HW</b>	24V 30W
<b>NAPK-5060HW/12</b>	12V 60W
<b>NAPK-5030HW/12</b>	12V 30W

**Input Voltage:** 120V-240V

**Output Voltage:** 12V or 24V

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

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



Non-Dimmable Direct Plug-In Driver

<b>NATL-524W</b>	White	24V 24W
<b>NATL-545W</b>	White	24V 45W
<b>NAPK-524/12</b>	Black	12V 24W

**Input Voltage:** 120V

**Output Voltage:** 12V or 24V

**Cord Length:** 4' (12V) or 6' (24V)



Non-Dimmable Direct Plug-In Driver

<b>NATL-596W</b>	White	24V 96W
<b>NAPK-550/12</b>	Black	12V 50W

**Input Voltage:** 120V

**Output Voltage:** 12V or 24V

**Cord and Plug Length:** 6' (12V) or 55" (24V)

**Power Line Connector Length:** 60" (12V) or 44" (24V)

*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 ("H" style) or some luminaires 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.

## NORA TRACK FEATURES

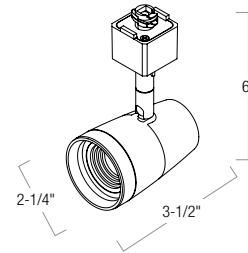
- Track available in five finishes
- All Nora track fixtures are available in "H" style and can be used with 1- or 2-circuit track
- Complete selection of track connectors and accessories
- Two-circuit and single circuit available
- Field cuttable
- Meets watts per square requirements with Nora's current limiting power feeds

# MAC LED TRACK

DEDICATED LED AC / NO DRIVER



**NTE-870L**  
10W / 700lm



## MAC LED TRACK FIXTURE

SERIES	COLOR TEMP	BEAM SPREAD	LUMENS / WATTAGE	FINISH	STYLE
<b>NTE-870L</b>	<b>27</b> 2700K	<b>X</b> 20° Spot (included) / 40° Flood (installed)	<b>10</b> 700lm / 10W	<b>B</b> Black	<b>(blank)</b> H-style
	<b>30</b> 3000K			<b>S</b> Silver	<b>/J</b> J-style
	<b>40</b> 4000K			<b>W</b> White	<b>/L</b> L-style

Order Example: **NTE-870L30X10B** - MAC LED Track Head, 3000K, 700lm / 10W, Black finish, (H-Style)

The MAC LED Track fixture has a sleek and simple style that fits any decor. The small, yet powerful fixture features a die-cast aluminum body that dissipates heat seamlessly, protecting the fixture for long term life and performance. The unique design allows the beam spreads to be changed in field; 20° included and 40° installed. The track head resembles traditional line voltage fixtures without the large driver enclosures.

**ELECTRICAL:**

Voltage: 120V

Lumens / Wattage: 700lm / 10W

Color Rendering Index: 80 CRI

Color Temperature: 2700K, 3000K or 4000K

Dimming: Triac or ELV

**CONSTRUCTION:** Die-cast aluminum head and body for maximum heat dissipation, with integral driver.

**BEAM SPREAD:** Field adjustable beam spreads. 20° spot (included) and 40° flood (installed).

**ADJUSTABILITY:** 350° horizontal and 90° vertical rotation.

**FINISH:** White, black or silver finish.

**COMPATIBILITY:** One or two circuit track capable. H-style, three-wire track configuration. Optional J- or L-style must be specified. Note: fixtures may not be compatible with non-Nora monopoint adapters.

**LISTING & WARRANTY:**

- cULus Listed
- 5 Year Limited Warranty
- ENERGY STAR certified



# JASON LED TRACK

HIGH LUMEN / SPECIFIABLE BEAM SPREAD DEDICATED LED



## JASON LED TRACK FIXTURE

SERIES	LUMENS / WATTAGE	BEAM SPREAD	COLOR TEMP	FINISH	STYLE
NTE-854 Square	18 1400lm / 18W	S 24° Spot	35 3500K	B Black	(blank) H-style
	26 2200lm / 28W	M 40° Narrow Flood		W White	
	33 2800lm / 33W	F 60° Flood			
NTE-855 Round	18 1400lm / 18W	S 24° Spot	30 3000K	B Black	
	26 2200lm / 28W	M 40° Narrow Flood	35 3500K	S Silver	
	33 2800lm / 33W	F 60° Flood	40 4000K	W White	

Order Example: **NTE-85526S35W** - Jason Round LED Track Head, 2200lm / 28W, 3500K, White finish, (H-Style)

The Jason LED track head features die-cast aluminum construction with an integral driver in a clean, classic flat back cylinder style. Offered in spot, narrow flood or flood beam spreads in three lumen outputs, the high performance Jason is ideal for retail and commercial applications where a minimalistic form is desired. Jason's three lumen outputs use the same housing for a uniform look.

**ELECTRICAL:**

Voltage: 120V

Wattage / Lumens:

1400lm / 18W

2200lm / 28W

2800lm / 33W

Color Rendering Index: 80 CRI

(consult factory for 90 CRI)

Color Temperature: 3000K, 3500K or 4000K

Dimming: Triac or ELV

**CONSTRUCTION:** Round or square style, die-cast aluminum head and body for maximum heat dissipation, with integral driver. Clear glass lens is included.

**BEAM SPREAD:** Specify 24° spot, 40° narrow flood or 60° flood.

**ADJUSTABILITY:** 350° horizontal and 90° vertical rotation.

**FINISH:** White, black or silver finish.

**COMPATIBILITY:** One or two circuit track capable. H-style, three-wire track configuration.

Note: fixtures may not be compatible with non-Nora monopoint adapters.

**LISTING & WARRANTY:**

- cULus Listed
- DLC Listed
- 5 Year Limited Warranty



**ACCESSORIES:** Luminaire will accommodate (1) glass or louver and (1) barn door or snoot, no accessory holder is required.

**NTE-855BDB:** Barndoor, Black (NTE-855 only)

**NTE-855BDW:** Barndoor, White (NTE-855 only)

**NTE-855SN:** Snoot, Black

**NTE-855SNWW:** Directional Shield, Black

**NTE-855HC:** Honeycomb Louver

**NTE-855FG:** Frosted Glass



NTE-855BD



NTE-855SN



NTE-855SNWW



NTE-855FG



NTE-855HC



# DIPPER LED TRACK

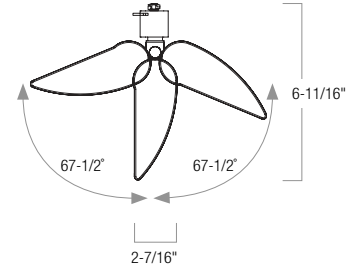
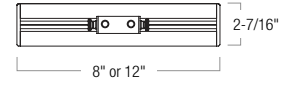
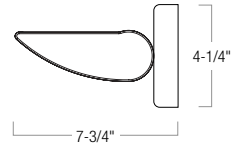
## DEDICATED LED WALL WASH / INDIRECT



**NTE-880315**  
8" / 1000lm / 15W  
Shown with Track mount



**NTEC-880330**  
12" / 2300lm / 30W  
Shown with Canopy mount



### DIPPER WALL WASH / INDIRECT LED TRACK FIXTURE

SERIES	LENGTH / LUMENS / WATTAGE	COLOR TEMP	FINISH	MOUNTING STYLE
<b>NTE-8803</b> Track Mounted - 120V	<b>15</b> 8" / 1000lm / 15W	<b>30</b> 3000K	<b>B</b> Black	<b>(blank)</b> H-style Track
	<b>30</b> 12" / 2300lm / 30W	<b>35</b> 3500K	<b>S</b> Silver	
		<b>40</b> 4000K	<b>W</b> White	
<b>NTEC-8803</b> Canopy Mounted - 120V or 277V	<b>15</b> 8" / 1000lm / 15W	<b>30</b> 3000K	<b>B</b> Black	<b>(blank)</b> 4-1/4" Round Canopy
	<b>30</b> 12" / 2300lm / 30W	<b>35</b> 3500K	<b>S</b> Silver	
		<b>40</b> 4000K	<b>W</b> White	

Order Example: **NTE-88031530W** - 8" Dipper LED Track Fixture, 1000lm / 15W, 3000K, White finish, (H-style)

The Dipper track head uses a polished reflector to spread an even bright wash of light with no source brightness. Available with track or canopy mount, the Dipper can be used in a ceiling installation or wall mounted to create discrete, indirect up light. The Dipper is excellent for wall washing or indirect light in retail, hospitality, office and commercial applications.

**ELECTRICAL:**

**Voltage:** 120V (track) / 120V or 277V (canopy)

**Lumens / Wattage:**

8" – 1000lm / 15W

12" – 2300lm / 30W

**Color Rendering Index:** 80 CRI

(consult factory for 90 CRI)

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

**Dimming:** Triac or ELV

**CONSTRUCTION:** Die-cast aluminum body with indirect linear LED strip reflecting off a polished aluminum reflector providing excellent asymmetric wall washing.

**MOUNTING:** Track or canopy mount with double locking adaptors. The adaptor securely holds fixture in place while allowing horizontal and vertical adjustment.

**ADJUSTABILITY:** 355° horizontal and 135° vertical rotation (track mount only).

**FINISH:** White, black or silver finish.

**COMPATIBILITY:** One or two circuit track capable. H-style, three-wire track configuration. Note: fixtures may not be compatible with non-Nora monopoint adapters.

**LISTING & WARRANTY:**

- cULus Listed
- DLC Certified
- 5 Year Limited Warranty





# T-WASH WALL WASH LED TRACK

## ARM OR YOKE MOUNT DEDICATED LED



### T-WASH WALL WASH LED TRACK FIXTURE

SERIES	LENGTH / LUMENS / WATTAGE	COLOR TEMP	FINISH	STYLE
<b>NTE-890</b>	<b>33</b> 12" Yoke / 3000lm / 33W	<b>30</b> 3000K	<b>B</b> Black	<b>(blank)</b> H-style
	<b>66</b> 24" Arm / 4460lm / 66W	<b>40</b> 4000K	<b>S</b> Silver <b>W</b> White	<b>/J</b> J-style <b>/L</b> L-style

Order Example: *NTE-8903330W* - 12" T-Wash LED Track Fixture, 3000lm / 33W, 3000K, White finish, (H-style)

T-Wash Wall Wash LED Track fixture features an architecturally-styled housing that includes the LED module, driver, reflector and a frosted lens for even light distribution. Designed to illuminate retail wall displays and areas of architectural interest, the dimmable fixture is specifiable with H, J and L\* adaptors. T-Wash is offered in two lengths/wattage/lumen packages. Both fixtures offer high power factor.

**ELECTRICAL:**

**Voltage:** 120V  
**Lumens / Wattage:**  
 12" – 3000lm / 33W  
 24" – 4460lm / 66W  
**Color Rendering Index:** 80+ CRI  
**Color Temperature:** 3000K or 4000K  
**Dimming:** Triac or ELV

**CONSTRUCTION:** Heavy duty, die-cast aluminum body and end caps. Semi-specular aluminum reflector provides maximum LED output and frosted lens produces an even broadcast of light.

**FINISH:** White, silver or black heat rated baked enamel.

**MOUNTING:** Rigid steel yoke (12") or arm (24") mount connects fixture housing to electrical contact head.

**ADJUSTABILITY:** 358° horizontal (12" yoke mount only) and 90° vertical rotation.

**COMPATIBILITY:** One or two circuit track capable. H-style, three-wire track configuration. Optional J- or L-style must be specified. Note: fixtures may not be compatible with non-Nora monopoint adapters.

**LISTING & WARRANTY:**

- cULus Listed
- DLC Certified
- 5 Year Limited Warranty



### T-WASH OPTIONAL ACCESSORIES



- NTEL-8903** 12" Louver Accessory
- NTEL-8906** 24" Louver Accessory

# AIDEN LED TRACK

## DEDICATED LED SPOT AND FLOOD OPTICS



### AIDEN LED TRACK FIXTURE

SERIES	COLOR TEMP	BEAM SPREAD	LUMENS / WATTAGE	FINISH	STYLE
<b>NTE-842L</b>	<b>30</b> 3000K	<b>F</b> Flood	<b>35</b> 2200lm / 35W	<b>B</b> Black <b>S</b> Silver <b>W</b> White	<b>(blank)</b> H-style <b>/J</b> J-style <b>/L</b> L-style ( <i>NTE-842L and NTE-845L only</i> )
	<b>40</b> 4000K	<b>S</b> Spot			
<b>NTE-845L</b>	<b>30</b> 3000K	<b>X</b> Spot included / Flood installed	<b>15</b> 1150lm / 15W		
	<b>40</b> 4000K				
<b>NTE-850L</b>	<b>30</b> 3000K	<b>X</b> Spot included / Flood installed	<b>10A</b> 720lm / 10W		
	<b>40</b> 4000K				

Order Example: **NTE-842L30S35B** - Aiden LED Track Fixture, 2200lm / 35W, 3000K, Spot Beam Spread, Black finish, (H-Style)

Aiden is a cULus listed, high-lumen LED track head available in three wattages, two different beam spreads and can be adjusted 350° horizontally and 90° vertically. Designed for use in retail, commercial and residential environments, heat-dissipating fins optimize heat management. Aiden is offered in two color temperatures, 3000K warm white and 4000K cool white with 80+ CRI. Aiden has one- or two-circuit track capability and comes in standard H-style or optional J- or L-style. Finishes include white, black and silver.

**ELECTRICAL:**

**Voltage:** 120V dimmable  
**Lumens / Wattage:**  
 720lm / 10W  
 1150lm / 15W  
 2200lm / 35W  
**Color Rendering Index:** 80+ CRI (consult factory for 90 CRI)  
**Color Temperature:** 3000K or 4000K  
**Dimming:** Triac or ELV

**CONSTRUCTION:** Die-cast aluminum head and body for maximum heat dissipation, with integral driver.

**ADJUSTABILITY:** 350° horizontal and 90° vertical rotation.

**FINISH:** White, black or silver finish.

**COMPATIBILITY:** H-style, three-wire track configuration. Optional J- (entire series can be specified with J) or L-style (NTE-842L and NTE-845L only) must be specified. Note: fixtures may not be compatible with non-Nora monopoint adapters.

**LISTING & WARRANTY:**

- cULus Listed
- 5 Year Limited Warranty







# VERSA TRACK SERIES

## MR16 LED COMPATIBLE\* LOW VOLTAGE

MR16 low voltage track heads with dimmable electronic drivers/transformers are now compatible with MR16 LED or halogen lamps. The Versa Track Series features six models designed for accent lighting in a range of applications, including restaurant dining or lounge areas, in-store retail displays and residential settings. Versa Track's integral electronic driver/transformer is rated for 3 to 60 watt loads. The zero low-end allowance ensures a longer LED consistent performance and life.



### Versa V-Tech Single Head with Dimmable Driver

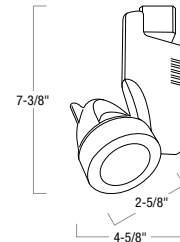
<b>NTLE-265(finish)</b>	H-STYLE	3W-50W
<b>NTLE-265(finish)/J</b>	J-STYLE	3W-50W
<b>NTLE-265(finish)/L</b>	L-STYLE	3W-50W

**LAMP:** 3W-50W LED/Halogen MR16 (not included)

**FINISH:** **B** Black, **W** White

**DIMENSIONS:** Length: 3" Diameter: 2-7/8"  
Maximum Extension: 6"

**LISTING:** cULus listed



### Versa V-Tech Dual Head with Dimmable Driver

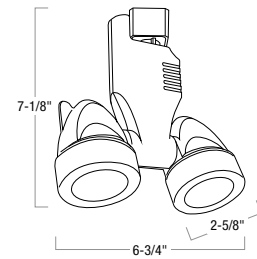
<b>NTLE-8265(finish)</b>	H-STYLE	3W-50W
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**LAMP:** 3W-25W (per head) LED/Halogen MR16 (not included)

**FINISH:** **B** Black, **W** White

**DIMENSIONS:** Length: 6-3/4" Diameter: 2-7/8"  
Maximum Extension: 7-1/8"

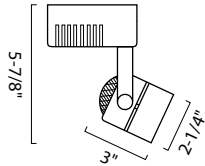
**LISTING:** cULus listed





# VERSA TRACK SERIES

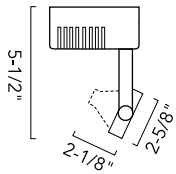
## LOW VOLTAGE MR16 LED COMPATIBLE\*



### Versa Cylinder with Dimmable Driver

**NTLE-203(finish)** H OR J-STYLE 3W-50W

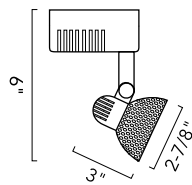
**LAMP:** 3W-50W LED/Halogen MR16 (not included)  
**FINISH:** **B** Black, **BZ** Bronze, **NM** Natural Metal, **W** White  
**DIMENSIONS:** Length: 3" Diameter: 2-1/4"  
 Maximum Extension: 5-7/8"  
**LISTING:** cULus listed



### Versa Gimbal Ring with Dimmable Driver

**NTLE-207(finish)** H OR J-STYLE 3W-50W

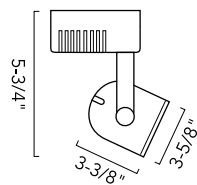
**LAMP:** 3W-50W LED/Halogen MR16 (not included)  
**FINISH:** **B** Black, **BZ** Bronze, **NM** Natural Metal, **W** White  
**DIMENSIONS:** Length: 2-1/8" Diameter: 2-5/8"  
 Maximum Extension: 5-1/2"  
**LISTING:** cULus listed



### Versa Wireback with Dimmable Driver

**NTLE-213(finish)** H OR J-STYLE 3W-50W

**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 Driver

**NTLE-214(finish)** H OR J-STYLE 3W-50W

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



\* Consult Spec sheet for compatible LED MR16 lamps at [www.noralighting.com](http://www.noralighting.com) Custom stem lengths available in six-inch increments from 12" to 48". Consult factory.





# H, J AND L STYLE ADAPTERS LED COMPATIBLE PAR TRACK REMOTE CONTROL REVO TRACK

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

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

## REVO REMOTE CONTROL LED COMPATIBLE PAR TRACK

SERIES	FINISH	LED LAMP	STYLE
<b>NTH-REV150</b>	<b>B</b> Black <b>W</b> White	<b>E20</b> PAR20 7W / 520lm / 2700K / 20°	<b>(blank)</b> H-style <b>/J</b> J-style <b>/L</b> L-style
		<b>E21</b> PAR20 7W / 520lm / 3000K / 20°	
	<b>A22</b> PAR20 7W / 460lm / 2700K / 25°		
	<b>A22</b> PAR20 7W / 470lm / 3000K / 25°		
	<b>H30</b> PAR30S 12W / 850lm / 2700K / 25°		
	<b>H31</b> PAR30S 12W / 900lm / 3000K / 25°		
	<b>H32</b> PAR30S 12W / 850lm / 2700K / 35°		
	<b>H33</b> PAR30S 12W / 900lm / 3000K / 35°		
	<b>A34</b> PAR30L 10W / 750lm / 2700K / 25°		
	<b>A35</b> PAR30L 10W / 800lm / 3000K / 25°		
	<b>A36</b> PAR30L 10W / 750lm / 2700K / 40°		
	<b>E82</b> PAR38 18W / 1550lm / 2700K / 25°		
	<b>E83</b> PAR38 18W / 1550lm / 3000K / 25°		
	<b>E84</b> PAR38 18W / 1550lm / 2700K / 40°		
	<b>E85</b> PAR38 18W / 1550lm / 3000K / 40°		
	<b>A82</b> PAR38 17W / 1150lm / 2700K / 25°		
<b>A83</b> PAR38 17W / 1200lm / 3000K / 25°			
<b>A84</b> PAR38 17W / 1150lm / 2700K / 40°			
<b>A85</b> PAR38 17W / 1200lm / 3000K / 40°			

**NTH-REVHHR** Remote Control

Order Example: **NTH-REV150WA22** - Revo, Black finish,  
7W PAR20 LED / 460lm / 2700K / 25°, (H-style)



REVO, the industry's first affordable motorized track head that can be adjusted with a hand-held remote. A single REVO remote can re-position any REVO track head in an installation. Once a fixture is selected, radio signals control the fixture so there is no need to aim the transmitter during adjustments. REVO heads can be rotated horizontally (340° rotation) or vertically (200° rotation). REVO features a universal E26 lamp socket that accepts LED, halogen, CFL, R, BR and PAR bulbs. The unit is designed for use in retail stores, art galleries, hospitality or event venues, and any other high-ceilinged site where track heads need to be maneuvered. REVO is one- or two-circuit track compatible and available in H, J and L styles. It is dimmable to 10 percent, and adjustable when dimmed. Finishes are offered in black and white.

### ADVANTAGES:

- Save time, money and fatigue. Achieve in minutes what used to take hours
- Create a safer work environment. According to OSHA, falls from portable ladders are one of the leading causes of occupational fatalities and injuries
- Change displays frequently and increase sales through visual interest
- No longer settle for improperly aimed lighting because:
  - You need to rent a scissor-lift
  - You don't own a 16' foot ladder
  - You need a maintenance crew
- Easy to retrofit - no programming or special installation is required

**CONSTRUCTION:** Die-cast aluminum with powder coat finish.

**FINISH:** White, black or silver finish.

**STYLE:** H, J, or L Style

### DIMENSIONS:

Width: 5"  
Length: 2-7/8"  
Maximum Extension: 4-3/4"

**SOCKET:** Medium base

**WATTAGE:** 90W max.

**LISTING:** cULus listed

*Note: To specify or order track heads without lamp, leave off LED lamp code*

# LED GU10 H, J AND L STYLE ADAPTERS

## SPECIFIABLE LINE VOLTAGE TRACK FIXTURES



### LED Italia™

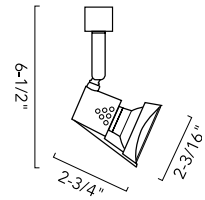
<b>NTH-618(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-618(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-618(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

FINISH: **S** Silver

LAMP:  **A13, U14**

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



### LED Metro™

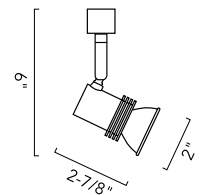
<b>NTH-619(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-619(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-619(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

FINISH: **S** Silver

LAMP:  **A13, U14**

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



### GU10 LED Cylinder

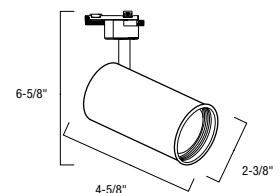
<b>NTH-910(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
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FEATURE: Architectural die-cast construction

FINISH: **B** Black, **W** White

LAMP: **A13, U14**

DIMENSIONS: Length: 4-1/2" Dia.: 2-1/2" Max Ext.: 6"



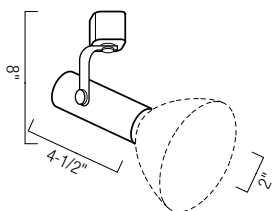
**A13** GU10 LED 6.5W / 520lm / 3000K / 40° / 82 CRI

**U14** GU10 LED 6W / 500lm / 3000K / 25° / 80 CRI

Fixtures above include specified LED lamps. See page 243 for lamp specifications.

Note: To specify or order track heads without lamp, leave off LED lamp code.

# H, J AND L STYLE ADAPTERS LED PAR SPECIFIABLE LINE VOLTAGE TRACK FIXTURES




## Universal Lamp Holder

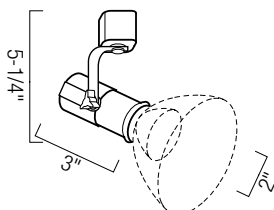
<b>NTH-109(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-109(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-109(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

**FEATURE:** Adjustable socket for different lamp types

**FINISH:** **B** Black, **N** Natural Metal, **W** White

**LAMP:**  **E20, E21, A22, A23, H30, H31, H32, H33, A34, A35, A36, E82, E83, E84, E85, A82, A83, A84, A85**


**DIMENSIONS:** Length: 4-1/2" Dia.: 2" Max Ext.: 8"



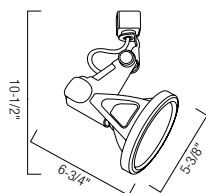
## Truly Universal™ PAR Holder with Retractable Shroud

<b>NTH-138(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-138(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-138(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

**FINISH:** **B** Black, **W** White

**LAMP:**  **E20, E21, A22, A23, H30, H31, H32, H33, A34, A35, A36, E82, E83, E84, E85, A82, A83, A84, A85**

**DIMENSIONS:** Length: 2-1/8" Dia.: 3" Max Ext.: 5-1/4"



## Belgium™ PAR38 Front Load Die-Cast Gimbal

<b>NTH-133(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-133(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-133(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

**FEATURE:** Architectural die-cast construction

**FINISH:** **B** Black, **S** Silver, **W** White

**LAMP:**  **E82, E83, E84, E85, A82, A83, A84, A85**

**DIMENSIONS:** Length: 6-3/4" Dia.: 5-3/8" Max Ext.: 10-1/2"



**E20** PAR20 LED 7W / 500lm / 2700K / 20° / 80 CRI  
**E21** PAR20 LED 7W / 520lm / 3000K / 20° / 80 CRI  
**A22** PAR20 LED 7W / 460lm / 2700K / 25° / 90 CRI  
**A23** PAR20 LED 7W / 470lm / 3000K / 25° / 90 CRI

**H30** PAR30S LED 12W / 850lm / 2700K / 25° / 80 CRI  
**H31** PAR30S LED 12W / 900lm / 3000K / 25° / 80 CRI  
**H32** PAR30S LED 12W / 850lm / 2700K / 35° / 80 CRI  
**H33** PAR30S LED 12W / 900lm / 3000K / 35° / 80 CRI  
**A34** PAR30L LED 10W / 750lm / 2700K / 25° / 90 CRI  
**A35** PAR30L LED 10W / 800lm / 3000K / 25° / 90 CRI  
**A36** PAR30L LED 10W / 750lm / 2700K / 40° / 90 CRI

**E82** PAR38 LED 18W / 1250lm / 2700K / 25° / 92 CRI  
**E83** PAR38 LED 18W / 1550lm / 3000K / 25° / 81 CRI  
**E84** PAR38 LED 18W / 1550lm / 2700K / 40° / 81 CRI  
**E85** PAR38 LED 18W / 1550lm / 3000K / 40° / 81 CRI  
**A82** PAR38 LED 17W / 1150lm / 2700K / 25° / 90 CRI  
**A83** PAR38 LED 17W / 1200lm / 3000K / 25° / 90 CRI  
**A84** PAR38 LED 17W / 1150lm / 2700K / 40° / 90 CRI  
**A85** PAR38 LED 17W / 1200lm / 3000K / 40° / 90 CRI

*Fixtures above include specified LED lamps. See page 243 for lamp specifications.*

*Note: To specify or order track heads without lamp, leave off LED lamp code.*



# LED PAR H, J AND L STYLE ADAPTERS


## SPECIFIABLE LINE VOLTAGE TRACK FIXTURES



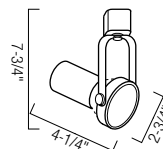
### PAR20 Gimbal Ring

<b>NTH-112(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-112(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-112(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

FINISH: **B** Black, **N** Natural Metal, **W** White

LAMP:  **E20, E21, A22, A23**

DIMENSIONS: Length: 4-1/4" Dia.: 2-3/4" Max Ext.: 7-3/4"



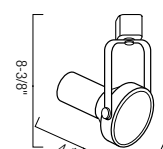
### PAR30 Gimbal Ring

<b>NTH-107 (finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-107(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-107(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

FINISH: **B** Black, **BZ** Bronze, **N** Natural Metal, **W** White

LAMP:  **H30, H31, H32, H33**


DIMENSIONS: Length: 4-1/8" Dia.: 3-7/8" Max Ext.: 8-3/8"



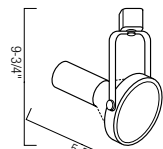
### PAR38 Gimbal Ring

<b>NTH-108(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-108(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-108(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

FINISH: **B** Black, **BZ** Bronze, **N** Natural Metal, **W** White

LAMP:  **E82, E83, E84, E85, A82, A83, A84, A85**

DIMENSIONS: Length: 5-5/8" Dia.: 5" Max Ext.: 9-3/4"



**E20** PAR20 LED 7W / 500lm / 2700K / 20° / 80 CRI  
**E21** PAR20 LED 7W / 520lm / 3000K / 20° / 80 CRI  
**A22** PAR20 LED 7W / 460lm / 2700K / 25° / 90 CRI  
**A23** PAR20 LED 7W / 470lm / 3000K / 25° / 90 CRI

**H30** PAR30S LED 12W / 850lm / 2700K / 25° / 80 CRI  
**H31** PAR30S LED 12W / 900lm / 3000K / 25° / 80 CRI  
**H32** PAR30S LED 12W / 850lm / 2700K / 35° / 80 CRI  
**H33** PAR30S LED 12W / 900lm / 3000K / 35° / 80 CRI

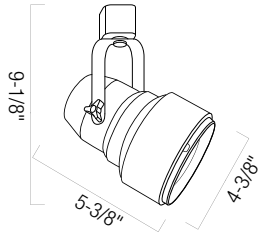
**E82** PAR38 LED 18W / 1250lm / 2700K / 25° / 92 CRI  
**E83** PAR38 LED 18W / 1550lm / 3000K / 25° / 81 CRI  
**E84** PAR38 LED 18W / 1550lm / 2700K / 40° / 81 CRI  
**E85** PAR38 LED 18W / 1550lm / 3000K / 40° / 81 CRI  
**A82** PAR38 LED 17W / 1150lm / 2700K / 25° / 90 CRI  
**A83** PAR38 LED 17W / 1200lm / 3000K / 25° / 90 CRI  
**A84** PAR38 LED 17W / 1150lm / 2700K / 40° / 90 CRI  
**A85** PAR38 LED 17W / 1200lm / 3000K / 40° / 90 CRI

Fixtures above include specified LED lamps. See page 243 for lamp specifications.

Note: To specify or order track heads without lamp, leave off LED lamp code.



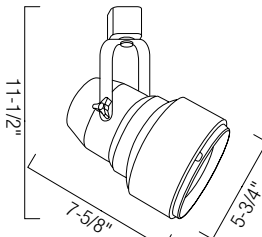
# H, J AND L STYLE ADAPTERS LED PAR SPECIFIABLE LINE VOLTAGE TRACK FIXTURES



## PAR30 Shroud

<b>NTH-149(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-149(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-149(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

**FINISH:** B Black, S Silver, W White  
**LAMP:** H30, H31, H32, H33, A34, A35, A36  
**DIMENSIONS:** Length: 5-3/8" Dia.: 4-3/8" Max Ext.: 9-1/8"  
**ACCESSORIES:** Accepts louvers and filters (by others)



## PAR38 Shroud

<b>NTH-150(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-150(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-150(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

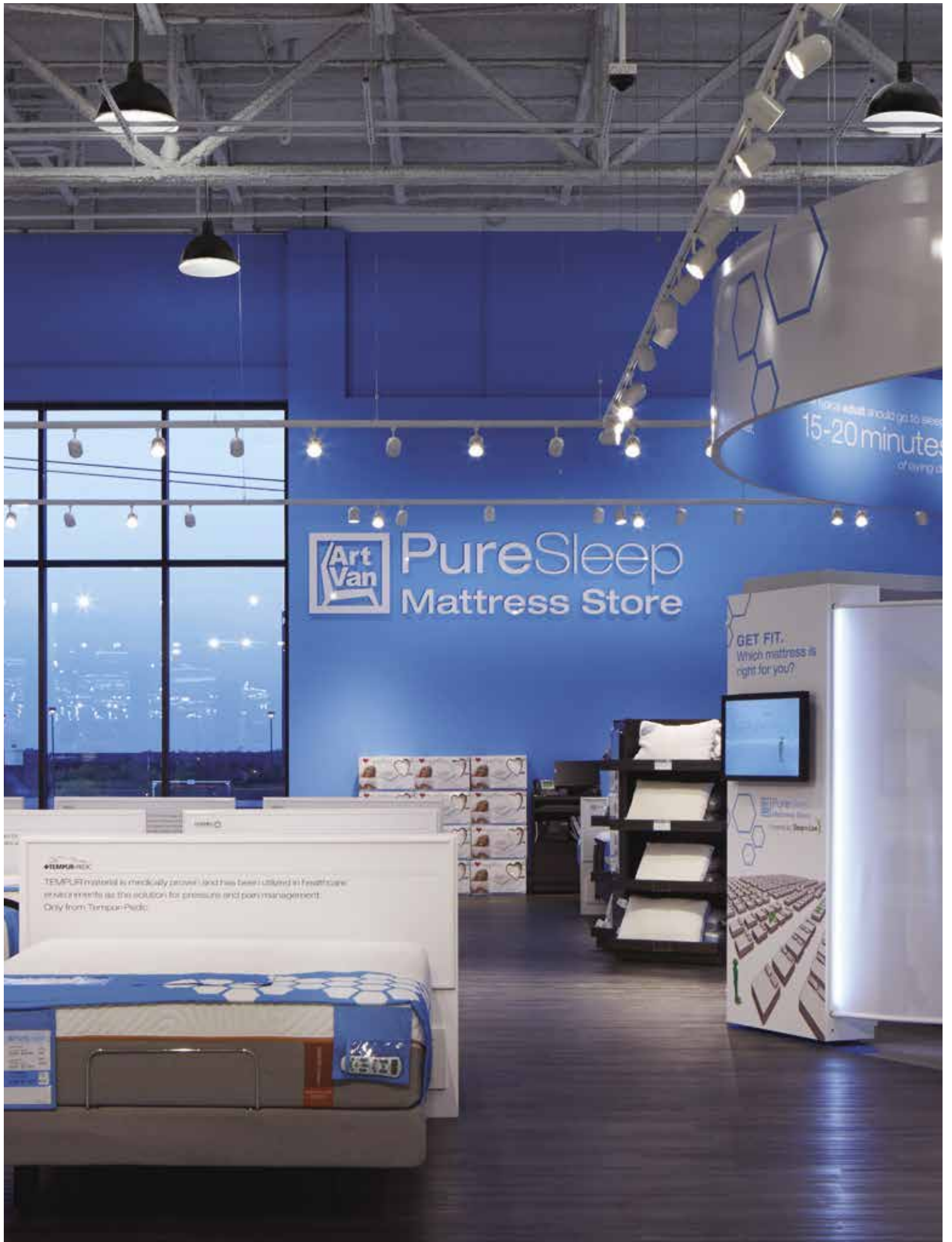
**FINISH:** B Black, S Silver, W White  
**LAMP:** E82, E83, E84, E85, A82, A83, A84, A85  
**DIMENSIONS:** Length: 7-5/8" Dia.: 5-3/4" Max Ext.: 11-1/2"  
**ACCESSORIES:** Accepts louvers and filters (by others)



**H30** PAR30S LED 12W / 850lm / 2700K / 25° / 80 CRI  
**H31** PAR30S LED 12W / 900lm / 3000K / 25° / 80 CRI  
**H32** PAR30S LED 12W / 850lm / 2700K / 35° / 80 CRI  
**H33** PAR30S LED 12W / 900lm / 3000K / 35° / 80 CRI  
**A34** PAR30L LED 10W / 750lm / 2700K / 25° / 90 CRI  
**A35** PAR30L LED 10W / 800lm / 3000K / 25° / 90 CRI  
**A36** PAR30L LED 10W / 750lm / 2700K / 40° / 90 CRI

**E82** PAR38 LED 18W / 1250lm / 2700K / 25° / 92 CRI  
**E83** PAR38 LED 18W / 1550lm / 3000K / 25° / 81 CRI  
**E84** PAR38 LED 18W / 1550lm / 2700K / 40° / 81 CRI  
**E85** PAR38 LED 18W / 1550lm / 3000K / 40° / 81 CRI  
**A82** PAR38 LED 17W / 1150lm / 2700K / 25° / 90 CRI  
**A83** PAR38 LED 17W / 1200lm / 3000K / 25° / 90 CRI  
**A84** PAR38 LED 17W / 1150lm / 2700K / 40° / 90 CRI  
**A85** PAR38 LED 17W / 1200lm / 3000K / 40° / 90 CRI

*Fixtures above include specified LED lamps. See page 243 for lamp specifications.  
 Note: To specify or order track heads without lamp, leave off LED lamp code.*



# PureSleep Mattress Store

**TEMPUR-PRO**

TEMPUR material is medically proven and has been utilized in hospitals and nursing homes as the solution for pressure and pain management. Only from Tempur-Pedic.

GET FIT.  
Which mattress is right for you?

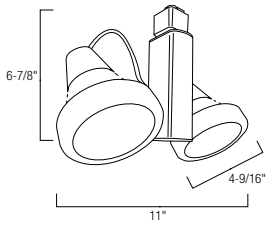


PureSleep  
Mattress Store  
Tempur-Pedic



15-20 minutes  
of living

# H, J AND L STYLE ADAPTERS LED PAR SPECIFIABLE LINE VOLTAGE TRACK FIXTURES



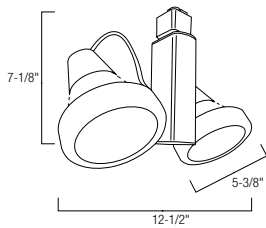
## PAR30 Duet

<b>NTH-883(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-883(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-883(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

FINISH: **B** Black, **W** White

LAMP: **H30, H31, H32, H33, A34, A35, A36**

DIMENSIONS: Length: 6-7/8" Width: 11" Dia.: 4-3/8" Max Ext.: 9"



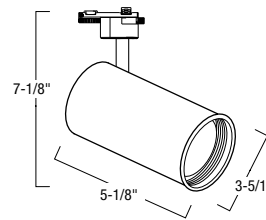
## PAR38 Duet

<b>NTH-884(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
<b>NTH-884(finish)(lamp)/J</b>	J-STYLE	LED LAMP INCLUDED
<b>NTH-884(finish)(lamp)/L</b>	L-STYLE	LED LAMP INCLUDED

FINISH: **B** Black, **W** White

LAMP: **E82, E83, E84, E85, A82, A83, A84, A85**

DIMENSIONS: Length: 7-1/8" Width: 12-1/2" Dia.: 5-3/8" Max Ext.: 9-1/4"



## PAR20 Cylinder

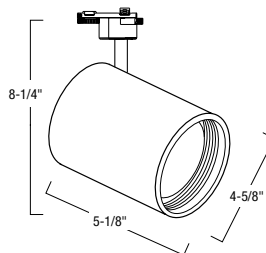
<b>NTH-920(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
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FEATURE: Adjustable socket

FINISH: **B** Black, **W** White

LAMP: **E20, E21, A22, A23**

DIMENSIONS: Length: 5-1/4" Dia.: 3-3/8" Max Ext.: 7-5/8"



## PAR30 Cylinder

<b>NTH-930(finish)(lamp)</b>	H-STYLE	LED LAMP INCLUDED
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FINISH: **B** Black, **W** White

LAMP: **H30, H31, H32, H33, A34, A35, A36**

DIMENSIONS: Length: 5-3/8" Dia.: 4-3/4" Max Ext.: 7-7/8"



**E20** PAR20 LED 7W / 500lm / 2700K / 20° / 80 CRI  
**E21** PAR20 LED 7W / 520lm / 3000K / 20° / 80 CRI  
**A22** PAR20 LED 7W / 460lm / 2700K / 25° / 90 CRI  
**A23** PAR20 LED 7W / 470lm / 3000K / 25° / 90 CRI

**H30** PAR30S LED 12W / 850lm / 2700K / 25° / 80 CRI  
**H31** PAR30S LED 12W / 900lm / 3000K / 25° / 80 CRI  
**H32** PAR30S LED 12W / 850lm / 2700K / 35° / 80 CRI  
**H33** PAR30S LED 12W / 900lm / 3000K / 35° / 80 CRI  
**A34** PAR30L LED 10W / 750lm / 2700K / 25° / 90 CRI  
**A35** PAR30L LED 10W / 800lm / 3000K / 25° / 90 CRI  
**A36** PAR30L LED 10W / 750lm / 2700K / 40° / 90 CRI

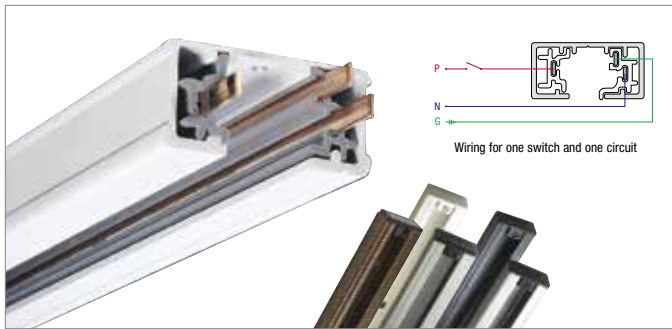
**E82** PAR38 LED 18W / 1250lm / 2700K / 25° / 92 CRI  
**E83** PAR38 LED 18W / 1550lm / 3000K / 25° / 81 CRI  
**E84** PAR38 LED 18W / 1550lm / 2700K / 40° / 81 CRI  
**E85** PAR38 LED 18W / 1550lm / 3000K / 40° / 81 CRI  
**A82** PAR38 LED 17W / 1150lm / 2700K / 25° / 90 CRI  
**A83** PAR38 LED 17W / 1200lm / 3000K / 25° / 90 CRI  
**A84** PAR38 LED 17W / 1150lm / 2700K / 40° / 90 CRI  
**A85** PAR38 LED 17W / 1200lm / 3000K / 40° / 90 CRI

Fixtures above include specified LED lamps. See page 243 for lamp specifications.

Note: To specify or order track heads without lamp, leave off LED lamp code.

# LED TRACK

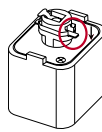
## ONE AND TWO CIRCUIT TRACK



### ONE-CIRCUIT TRACK SYSTEM

With its miniature size and push-in connectors, Nora's one-circuit track system provides versatility for every lighting application. The system is designed and engineered for safety and ease of installation. Rated for a maximum of 2400 watts, Nora's one-circuit track is supported by a full line of accessories. For more control, additional switched feed points can be made with additional connectors.

To use a track fixture on a single-circuit track system, the line contact at the top of the track fixture must be in the lower position. To move the lever from the upper to the lower position, simply push lever down with the edge of a standard screwdriver.



### One-Circuit Track

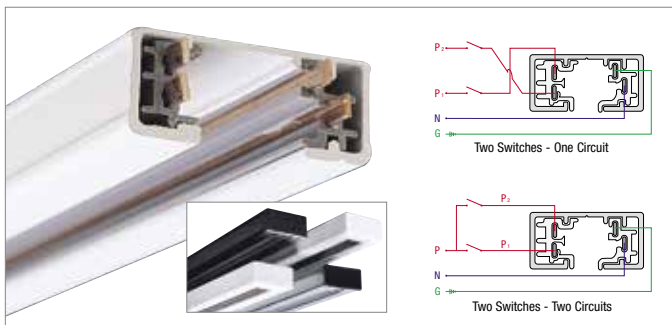
<b>NT-301</b>	H-Style 2' Track (24-1/4" actual length*)
<b>NT-302</b>	H-Style 4' Track (48-1/4" actual length*)
<b>NT-303</b>	H-Style 6' Track (72-1/4" actual length*) <i>not available in BZ</i>
<b>NT-304</b>	H-Style 8' Track (96-1/4" actual length*)
<b>NT-331</b>	H-Style 12' Track (144-1/4" actual length*) <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

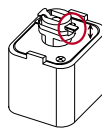


### TWO-CIRCUIT TRACK SYSTEM

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

<b>NT-2302</b>	H-Style 4' Track (48-1/4" Actual Length*)
<b>NT-2303</b>	H-Style 6' Track (72-1/4" Actual Length*)
<b>NT-2304</b>	H-Style 8' Track (96-1/4" Actual Length*)
<b>NT-2331</b>	H-Style 12' Track (144-1/4" Actual Length*)

\* measurement includes end caps

**Rating:** 120V, (2) 20A Circuits, 2400W each circuit  
**Finish:** B Black, S Silver, W White  
**Dimensions:** Width: 1-3/4" Height: 5/8"  
**Includes:** Dead-end caps and mounting hardware

### SPECIFICATIONS

- Miniature extruded aluminum channel
- Push-in connections
- Separate, full-length ground conductor
- Available in black, silver, white
- Available in 4', 6', 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
<b>NT-348(finish)/1A</b>	1A / 120W	<b>NT-2348(finish)/1A</b>	1A / 120W
<b>NT-348(finish)/2.5A</b>	2.5A / 300W	<b>NT-2348(finish)/2.5A</b>	2.5A / 300W
<b>NT-348(finish)/4.5A</b>	4.5A / 540W	<b>NT-2348(finish)/4.5A</b>	4.5A / 540W
<b>NT-348(finish)/5A</b>	5A / 600W	<b>NT-2348(finish)/5A</b>	5A / 600W
<b>NT-348(finish)/7.5A</b>	7.5A / 850W	<b>NT-2348(finish)/7.5A</b>	7.5A / 850W
<b>NT-348(finish)/10A</b>	10A / 1200W	<b>NT-2348(finish)/10A</b>	10A / 1200W
<b>NT-348(finish)/12A</b>	12A / 1440W	<b>NT-2348(finish)/12A</b>	12A / 1440W
<b>NT-348(finish)/14A</b>	14A / 1680W	<b>NT-2348(finish)/14A</b>	14A / 1680W

Finish: **B** Black, **S** Silver, **W** White

Example: **NT-2348W/2.5A** - Two-Circuit, End Feed, White Finish, 2.5A Circuit Breaker



### CURRENT LIMITER

Nora Lighting's Current Limiter is the solution you've been looking for. Can be used to comply with code required watts per square foot restrictions including California's 2016 Title 24 - part 6 High Efficacy LED light source requirements. Nora's Current Limiter is a cULus Listed line voltage Track power feed with an integral circuit breaker that limits the current load on the track to a specified amperage/wattage.

Seven different available breaker amperages allow you to customize your design to match the actual wattage being consumed by the specified fixtures, instead of the standard 45 Watts per linear foot of track. Circuit breakers are available from 1 Amp to 14 Amps. Contact factory for custom amperages.

Nora's Current Limiter replaces standard End Feeds and In-Line Track Feeds and is extremely easy to install right out of the box. No assembly required. Available in Black, Silver, or White finish.

### ADVANTAGES

- Available for one or two circuit track
- Single end feed or in-line feed
- Illuminated rocker switch indicates power to track
- Eight different breaker amperages to match the load
- Ready to install, no assembly required
- cULus Listed

### HOW TO ORDER

1. Decide if you need one or two circuits.
2. Determine if you need an end or in-line feed.
3. Choose the finish of the current limiter.
4. Select the appropriate size circuit breaker based on the load consumed on the run.

## CURRENT LIMITER IN-LINE FEEDS

ONE-CIRCUIT		TWO-CIRCUIT	
CATALOG NO.	AMPS / WATTS	CATALOG NO.	AMPS / WATTS
<b>NT-358(finish)/1A</b>	1A / 120W	<b>NT-2358(finish)/1A</b>	1A / 120W
<b>NT-358(finish)/2.5A</b>	2.5A / 300W	<b>NT-2358(finish)/2.5A</b>	2.5A / 300W
<b>NT-358(finish)/4.5A</b>	4.5A / 540W	<b>NT-2358(finish)/4.5A</b>	4.5A / 540W
<b>NT-358(finish)/5A</b>	5A / 600W	<b>NT-2358(finish)/5A</b>	5A / 600W
<b>NT-358(finish)/7.5A</b>	7.5A / 850W	<b>NT-2358(finish)/7.5A</b>	7.5A / 850W
<b>NT-358(finish)/10A</b>	10A / 1200W	<b>NT-2358(finish)/10A</b>	10A / 1200W
<b>NT-358(finish)/12A</b>	12A / 1440W	<b>NT-2358(finish)/12A</b>	12A / 1440W
<b>NT-358(finish)/14A</b>	14A / 1680W	<b>NT-2358(finish)/14A</b>	14A / 1680W

Finish: **B** Black, **S** Silver, **W** White

Example: **NT-358W/2.5A** - One-Circuit, In-Line Feed, White Finish, 2.5A Circuit Breaker

### Why and when to use a Nora Current Limiter?

Use Nora's track current limiter in tough watts per square foot and Title 24 applications. Commercially and residentially, Title 24 and the NEC calculate the wattage of a line voltage track run by the length of the run, not by wattage consumed. NEC applies 45 watts per foot regardless of actual load.

Example: (3) 15W Fixtures on a 20' run would be calculated at 900W (20' at 45 watts)

With Nora's 1 amp current limiting track feed, this run is powered at a reduced wattage to help meet Title 24 strict guidelines.





# LED TRACK ACCESSORIES TRACK SYSTEM



Live End Feed with Canopy

**NT-311** One-Circuit

**NT-2311** Two-Circuit

**Finish:** B Black, S Silver, W White  
Live ends to start a run.  
Mounting hardware included.



Live End Feed

**NT-316** One-Circuit

**NT-2316\*** Two-Circuit

**Finish:** B Black, S Silver, W White  
BZ Bronze (NT-316 only)  
To start a run. Adds 2-3/4" to length. Left hand polarity available for daisy chain applications (NT-316L)



Live End with Cord and Plug Set

**NT-321** One-Circuit

**Finish:** B Black, S Silver, W White  
With live end  
10 Amp, 1200 Watts Maximum  
12 feet grounded cord



Floating Canopy Feed

**NT-307** One-Circuit

**NT-2307** Two-Circuit

**Finish:** B Black, S Silver, W White  
BZ Bronze (NT-307 only)  
Connects track to existing outlet box anywhere along the track.



Live End Feed with Canopy

**NT-352** One-Circuit

**NT-2352** Two-Circuit

**Finish:** B Black, S Silver, W White  
BZ Bronze (NT-352 only)  
Live ends to start a run.  
Mounting hardware included



Live End Conduit Connector

**NT-328** One-Circuit

**NT-2328\*** Two-Circuit

**Finish:** B Black, S Silver, W White  
Accepts standard 1/2" conduit fitting. Use with surface conduit feed.

Left hand polarity available for daisy chain applications (NT-328L)



Current Limiting Live End Feed with Circuit Breaker

**NT-348** /\_/\_ One-Circuit

**NT-2348** /\_/\_ Two-Circuit

**Finish:** B Black, S Silver, W White  
**Breaker:** 1A, 2.5A, 5A, 7.5A, 10A, 12A, 14A

Used to start a run and limits the current to meet limitations. Includes On/Off switch.



Current Limiting In-Line Feed with Circuit Breaker

**NT-358** /\_/\_ One-Circuit

**NT-2358** /\_/\_ Two-Circuit

**Finish:** B Black, S Silver, W White  
**Breaker:** 1A, 2.5A, 5A, 7.5A, 10A, 12A, 14A

Used to in between runs and limits the current to meet limitations. Includes On/Off switch.



T-Bar End Feed

**NT-348** One-Circuit

**NT-2348** Two-Circuit

**Finish:** B Black, S Silver, W White  
To start a run  
Top 3 knock-outs



Straight Connector

**NT-310** One-Circuit

**NT-2310** Two-Circuit

**Finish:** B Black, S Silver, W White  
BZ Bronze (NT-310 only)  
Joins two track sections end to end  
Cannot be used as a feed point



I-Connector

**NT-312** One-Circuit

**NT-2312** Two-Circuit

**Finish:** B Black, S Silver, W White  
Can be power feed.

Joins two track sections end to end. Adds 4" to length.



Flexible Connector

**NT-309** One-Circuit

**NT-2309** Two-Circuit

**Finish:** B Black, S Silver, W White  
Can be power feed.

Connects two tracks at any angle up to 90° or wall to ceiling or pitched ceiling application.



L-Connector

**NT-313** One-Circuit

**NT-2313\*** Two-Circuit

**Finish:** B Black, S Silver, W White  
BZ Bronze (NT-313 only)  
Can be power feed.

Connects two track sections at 90° angle. Field adjustable for right or left hand application. Cover included to change to I-Connector application.



T-Connector

**NT-314** One-Circuit

**NT-2314\*** Two-Circuit

**Finish:** B Black, S Silver, W White  
Can be power feed.

Connects three track sections in a T-configuration.



X-Connector

**NT-315** One-Circuit

**NT-2315\*** Two-Circuit

**Finish:** B Black, S Silver, W White  
Can be power feed.

To connect 4 track sections in a cross configuration.

\* Note: All two-circuit track connectors are supplied as right polarity, for left polarity add "/L" suffix.

# LED TRACK TRACK SYSTEM ACCESSORIES



Outlet Box Cover

**NT-320**

**Finish:** B Black, BZ Bronze, S Silver, W White

Can be used at any feed connection live, straight, L, T or X.

Screws included



Monopoint w/ Power Feeder

**NT-319** Square Monopoint

**Finish:** B Black, S Silver, W White  
Allows the installation of one track fixture/pendant without a track - not suitable for all products. Mounts permanently to outlet box



Monopoint w/ Power Feeder

**NT-366** Round Monopoint  
**NT-379** for NTE-850

**Finish:** B Black, S Silver, W White  
Allows the installation of one track fixture/pendant without a track - not suitable for all products. Mounts permanently to outlet box



Monopoint with Power Feeder for Versa Track

**NT-337**

**Finish:** B Black, S Silver, W White  
Allows the installation of one NTL-200 Versa series track fixture without a track. Mounts permanently to outlet box 10 lbs. maximum weight



Monopoint for Double Locking Adapter

**NT-380**

**Finish:** B Black, W White  
Allows the installation of one track fixture without a track - not suitable for all products. Mounts permanently to outlet box



Slope Pendant Adapter

**NT-349**

**Finish:** B Black, S Silver, W White  
Allows pendant assembly kit (NT-305, NT-306, NT-329) to hang straight down from ceiling. Can be used to feed power to track.



Pendant Assembly Kit

**NT-305** 18"  
**NT-306** 24"  
**NT-336** 36"  
**NT-329** 48"

**Finish:** B Black, S Silver, W White  
Suspends track from ceiling. Use NRA-82 stem coupler to join two or more stems together. 4' maximum between pendants



Aircraft Cable Suspension Kit

**NT-355/8** 8'  
**NT-355/20** 20'

Suspends track from high ceiling applications  
Suspends with 1/4" - 20 threaded coupling  
Supplied with T-Bar mounting clip, ceiling plate, aircraft cable and couplers



Replacement Stem

**NRA-132/24** 24"  
**NRA-132/48** 48"  
**NRA-132/72** 72"  
**NRA-132/96** 96"

**NRA-82** Stem Coupler  
**Finish:** B Black, S Silver, W White  
To replace existing or field damaged stem in a pendant assembly kit  
Use NRA-82 coupler to join two stems together



Wire Way Cover

**NT-326** One or Two Circuit  
**Finish:** B Black, S Silver, W White  
For track to be wired through stem. Use one for each live end used



Slope Adapter for Nora Track Fixtures

**NT-333** H Fixture to H Track

**Finish:** B Black, S Silver, W White  
For use on slope ceiling  
For use on H-Style Nora Track System with H-Style Nora Track Fixtures



Slope Adapter for J-Style Track Fixtures

**NT-334** J Fixture to H Track

**Finish:** B Black, S Silver, W White  
For use on slope ceiling  
For use on H-Style Nora Track System with J-Style Track Fixtures



Slope Adapter for J-Style Track

**NT-335** H Fixture to J Track

**Finish:** B Black, S Silver, W White  
For use on slope ceiling  
For use on J-Style Track System with H-Style Nora Track Fixtures



Track Fixture Extension Rods

**NT-322** 18" w/Connectors  
**NT-323** 24" w/Connectors  
**NT-324** 36" w/Connectors  
**NT-325** 48" w/Connectors

**Finish:** B Black, S Silver, W White  
Extends track fixture from track  
Also available by special order, factory installed extension rods to 48".



18" Flexible Extension Rod

**NT-330** 18"

**Finish:** B Black, S Silver, W White  
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:** B Black, S Silver, W White  
For chain hung fixture up to 30lbs.  
Can be used as power feed.



Outlet Adapter

**NT-327**

**Finish:** B Black, S Silver, W White  
Allows a power outlet on the track.



Track Clamp Adapter

**NT-364**

**Finish:** B Black, W White  
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:** W White  
Clamps onto round or flat surface, 12' curly cord plugs into any convenient 3-prong outlet.



Track Pendant Adapter

**NT-368**

**Finish:** B Black, S Silver, W White  
Extends from track 2".



Retrofit Monopoint Adapter

**NT-374**

4"

**NT-376**

6"

**Finish:** B Black, W White  
75W max  
Converts a 4" or 6" housing into a track monopoint  
Retro-fit style.



T-Bar Attachment Clip

**NT-332**

15/16"

To attach track to T-Bar drop ceiling.



Dead End Caps

**NT-318**

One-Circuit

**NT-2318\***

Two-Circuit

**Finish:** B Black, S Silver, W White  
To cover the end of a run. Two are included with each track.



MR16 Silicone Flange Ring

**NTR-100**

**Finish:** BU Blue, GR Green, R Red, W White, Y Yellow  
For use with NTH-618, NTH-619.



Lenses for MR16 Lamps

**NM-100B/MR16** Blue

**NM-100Y/MR16** Yellow

**NM-100G/MR16** Green

**NM-100R/MR16** Red

**NM-100F/MR16** Frosted

**NM-100L/MR16** Linear

**NM-100S/MR16** Spread



MR16 Accessory Louver

**NT-362**

**Finish:** Black

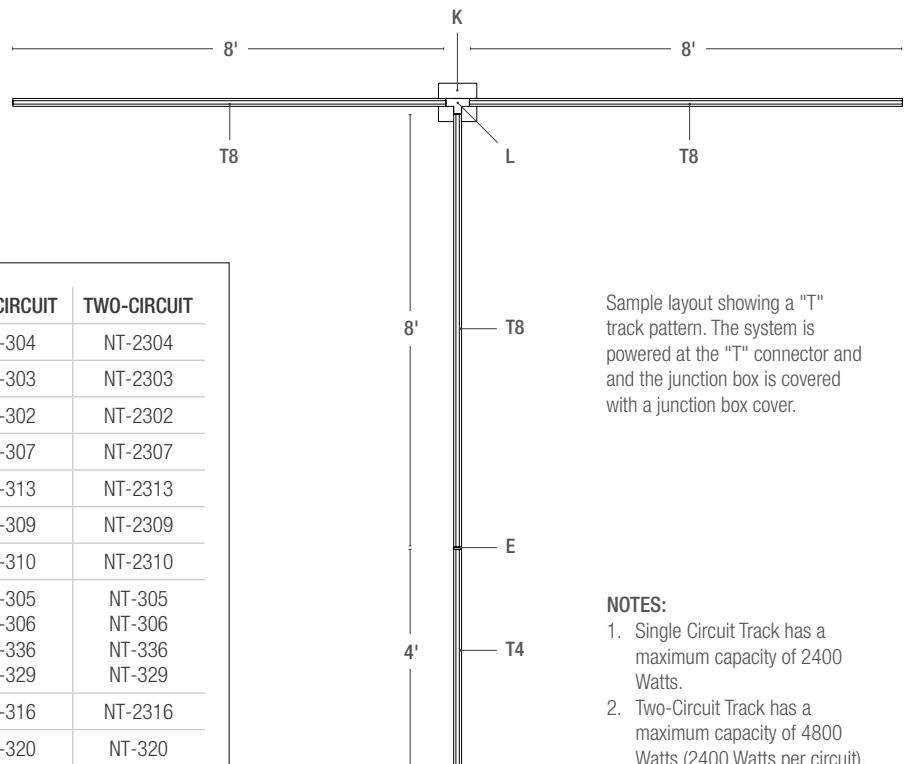
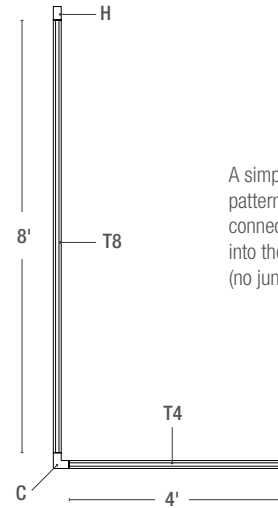
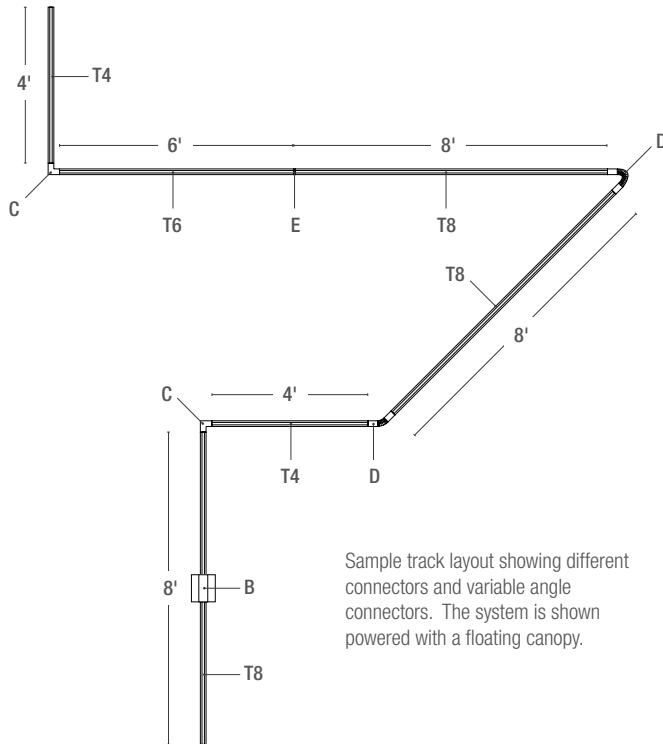


Socket Extender

**NRA-10**

Medium Base

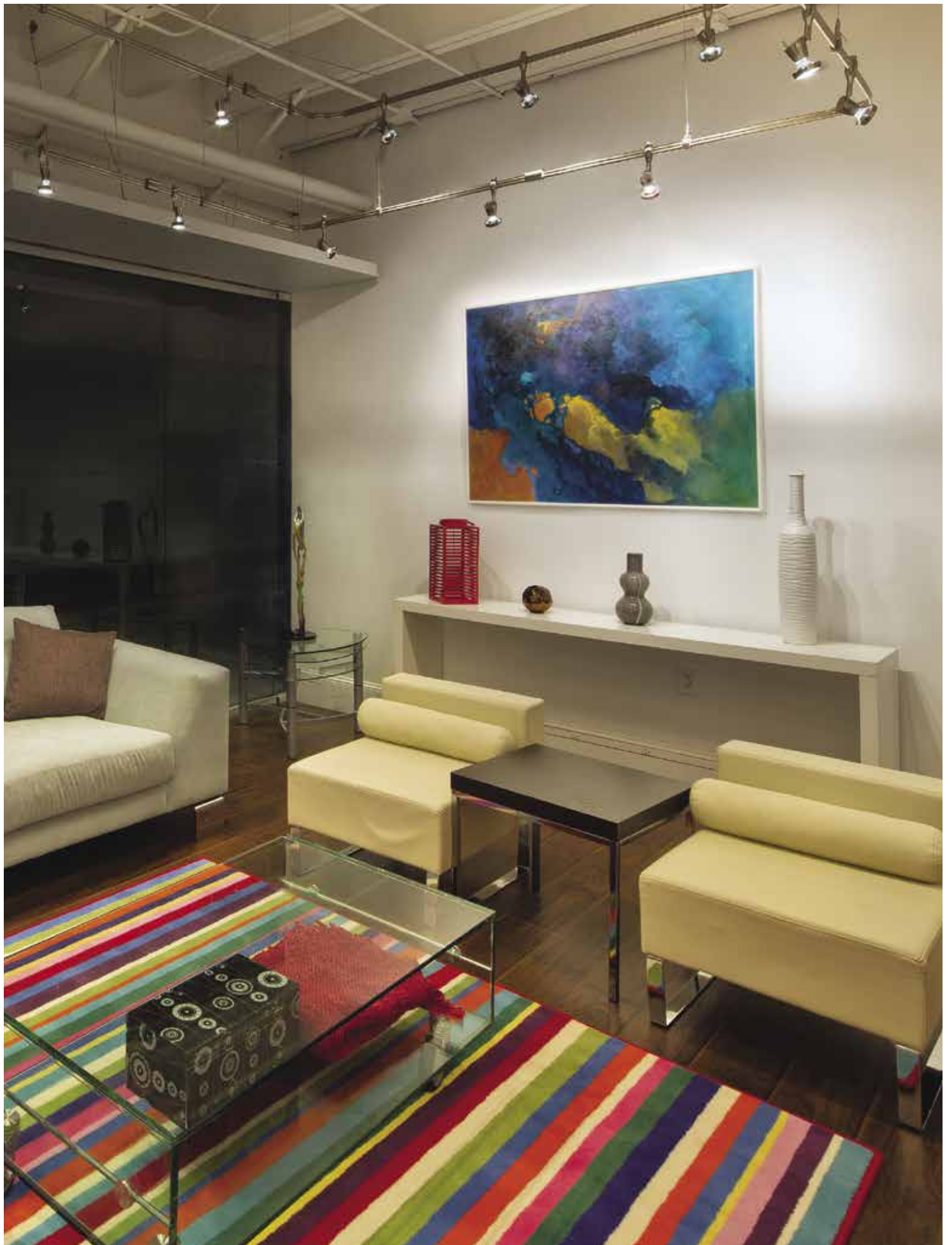
# LED TRACK SAMPLE LAYOUTS TRACK SYSTEM



	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
G	18" Pendant Assembly Kit	NT-305	NT-305
	24" Pendant Assembly Kit	NT-306	NT-306
	36" Pendant Assembly Kit	NT-336	NT-336
	48" Pendant Assembly Kit	NT-329	NT-329
H	End Feed Connector	NT-316	NT-2316
K	Junction Box Cover	NT-320	NT-320
L	"T" Connector	NT-314	NT-2314

## NOTES:

1. Single Circuit Track has a maximum capacity of 2400 Watts.
2. Two-Circuit Track has a maximum capacity of 4800 Watts (2400 Watts per circuit).
3. All Nora Track Fixtures will work with single or two-circuit track.
4. Track is field cuttable.





# 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 provide endless capabilities.

### FEATURES

- Integral LED Rail Heads
- Rail heads which include GU10 or PAR LED lamps
- 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 Lamps
- Utilizes line voltage, low voltage and LED fixtures simultaneously on the same line voltage system if desired
- cULus listed for 20 amps
- Field bendable to a 2ft. diameter circle
- Field cuttable
- 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
- Current limiting power feed

# DEDICATED LED RAIL INTEGRAL LED

## CYNDI 600LM TO 2800LM



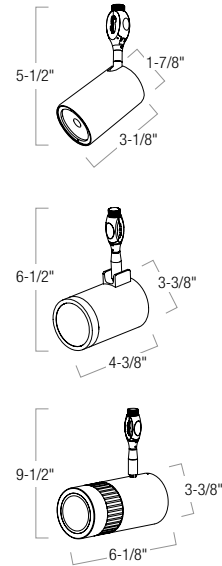
**NRE-850L**  
600lm / 8W



**NRE-852L**  
1400lm / 20W



**NRE-853L**  
2800lm / 32W



### CYNDI CYLINDRICAL LED RAIL FIXTURE

SERIES / LUMENS / WATTAGE	COLOR TEMP	BEAM SPREAD	FINISH
<b>NRE-850L</b> 600lm / 8W	<b>27</b> 2700K <b>30</b> 4000K	<b>X</b> Spot (included) and Narrow Flood (installed)	<b>BZ</b> Bronze <b>BN</b> Brushed Nickel
<b>NRE-852L</b> 1400lm / 20W <b>NRE-853L</b> 2800lm / 32W	<b>30</b> 3000K <b>40</b> 4000K	<b>X</b> Spot (included) and Narrow Flood (installed)	<b>BZ</b> Bronze <b>BN</b> Brushed Nickel

Order Example: **NRE-850L30XBZ** - CYNDI, 600lm / 8W, 3000K, Bronze finish

CYNDI LED Rail head with clean, cylindrical lines produces an amazing dimmable LED light that blends with most decors. The heads feature full rotation aiming and attach anywhere along the 120V Nora Rail System. Available in three sizes, in Bronze and Brushed Nickel finishes, CYNDI meets design criteria in residential and commercial applications. The 8W and 20W feature AC driven COB LEDs, while the 32W features a DC-driven COB with driver. Each LED Rail head includes a field changeable spot and narrow flood reflector.

#### ELECTRICAL:

**Voltage:** 120V  
**Lumens / Wattage:** 700lm / 8W, 1400lm / 20W, 2800lm / 32W  
**Color Rendering Index:** 80+ CRI  
**Color Temperature:** 2700K, 3000K or 4000K  
**Dimming:** ELV

#### CONSTRUCTION:

**NRE-850, NRE-852:** Die-cast aluminum head with AC LED package, eliminating the need for a driver.  
**NRE-853:** Die-cast aluminum head with integral driver.

**FINISH:** Bronze or Brushed Nickel finish.

**BEAM SPREAD:** Field changeable beam spreads—25° spot and 50° (850/852) or 60° (853) narrow flood (installed).

**ADJUSTABILITY:** 345° horizontal and 90° vertical rotation.

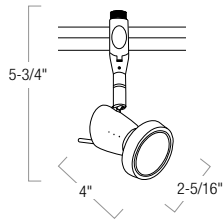
#### LISTING & WARRANTY:

- cULus Listed
- ENERGY STAR certified
- 5 Year Limited Warranty



# LINE VOLTAGE NORA RAIL LED GU10

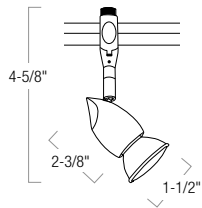
## SPECIFIABLE LINE VOLTAGE RAIL FIXTURES



### Sienna with Ring

**NRS11-103(finish)(lamp)** LED lamp included

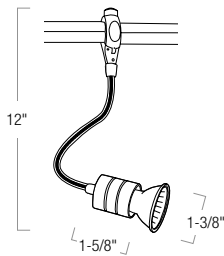
**FINISH:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
**LAMP:** **A13, U14**  
**DIMENSIONS:** Length: 4" Dia.: 2-5/16" Max Ext.: 5-3/4"  
**MOBILITY:** 345° Rotation, 90° Pivoting Head



### Neat

**NRS11-104(finish)(lamp)** LED lamp included

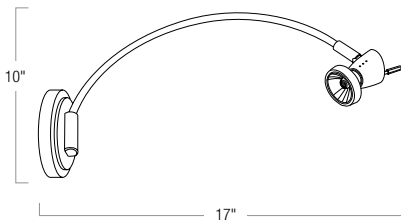
**FINISH:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
**LAMP:** **A13, U14**  
**DIMENSIONS:** Length: 2-3/8" Dia.: 1-1/2" Max Ext.: 4-5/8"  
**MOBILITY:** 345° Rotation, 90° Pivoting Head



### Ives Gooseneck

**NRS11-302(finish)(lamp)** LED lamp included

**FINISH:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
**LAMP:** **A13, U14**  
**DIMENSIONS:** Length: 1-5/8" Dia.: 1-3/8" Max Ext.: 12"  
**MOBILITY:** Flex can move in all direction



### Exhibit Display with Slim Canopy

**NRS11-320(finish)(lamp)** LED lamp included

**FINISH:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
**LAMP:** **A13, U14**  
**DIMENSIONS:** Height: 10" Max Ext.: 17"



**A13** GU10 LED 6.5W / 520lm / 3000K / 40° / 82 CRI  
**U14** GU10 LED 6W / 500lm / 3000K / 25° / 80 CRI

*Fixtures above include specified LED lamps. See page 243 for lamp specifications.  
 Note: To specify or order rail fixtures without lamp, leave off LED lamp code.*

# LED PAR LINE VOLTAGE NORA RAIL

## SPECIFIABLE LED NORA RAIL FIXTURES



### PAR20 Gimbal Ring

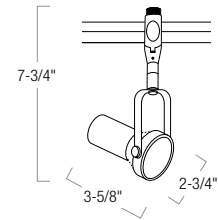
**NRS12-112(finish)(lamp)**

LED LAMP INCLUDED

**FINISH:** **BN** Brushed Nickel  
**BZB** Bronze Connector / Black Fixture

**LAMP:** **E20, E21, A22, A23**

**DIMENSIONS:** Length: 3-5/8" Dia.: 2-3/4" Max Ext.: 7-3/4"



### PAR30 Gimbal Ring

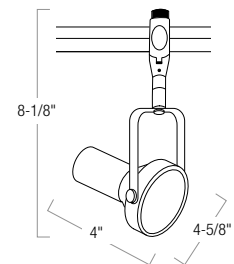
**NRS12-107(finish)(lamp)**

LED LAMP INCLUDED

**FINISH:** **BN** Brushed Nickel  
**BZB** Bronze Connector / Black Fixture

**LAMP:** **H30, H31, H32, H33**

**DIMENSIONS:** Length: 4" Dia.: 4-5/8" Max Ext.: 8-1/8"



### PAR38 Gimbal Ring

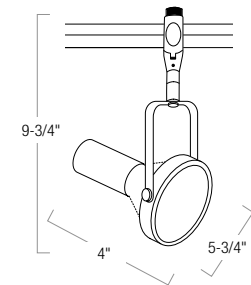
**NRS12-108(finish)(lamp)**

LED LAMP INCLUDED

**FINISH:** **BN** Brushed Nickel  
**BZB** Bronze Connector / Black Fixture

**LAMP:** **E82, E83, E84, E85, A82, A83, A84, A85**

**DIMENSIONS:** Length: 4" Dia.: 5-3/4" Max Ext.: 9-3/4"



### Universal

**NRS12-109(finish)(lamp)**

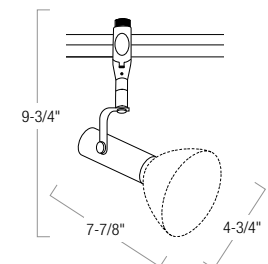
LED LAMP INCLUDED

**FINISH:** **BN** Brushed Nickel, **BZB** Bronze / Black, **S** Silver

**LAMP:** **A22, A23, A35, A36, A82, A83, A84, A85, E20, E21, H30, H31, H32, H33, E82, E83, E84, E85**

**DIMENSIONS:** Length: 7-7/8" Dia.: 4-3/4" Max Ext.: 9-3/4"

**MOBILITY:** 360° Rotation, Adjustable Socket



**E20** PAR20 LED 7W / 500lm / 2700K / 20° / 80 CRI  
**E21** PAR20 LED 7W / 520lm / 3000K / 20° / 80 CRI  
**A22** PAR20 LED 7W / 460lm / 2700K / 25° / 90 CRI  
**A23** PAR20 LED 7W / 470lm / 3000K / 25° / 90 CRI

**H30** PAR30S LED 12W / 850lm / 2700K / 25° / 80 CRI  
**H31** PAR30S LED 12W / 900lm / 3000K / 25° / 80 CRI  
**H32** PAR30S LED 12W / 850lm / 2700K / 35° / 80 CRI  
**H33** PAR30S LED 12W / 900lm / 3000K / 35° / 80 CRI  
**A34** PAR30L LED 10W / 750lm / 2700K / 25° / 90 CRI  
**A35** PAR30L LED 10W / 800lm / 3000K / 25° / 90 CRI  
**A36** PAR30L LED 10W / 750lm / 2700K / 40° / 90 CRI

**E82** PAR38 LED 18W / 1250lm / 2700K / 25° / 92 CRI  
**E83** PAR38 LED 18W / 1550lm / 3000K / 25° / 81 CRI  
**E84** PAR38 LED 18W / 1550lm / 2700K / 40° / 81 CRI  
**E85** PAR38 LED 18W / 1550lm / 3000K / 40° / 81 CRI  
**A82** PAR38 LED 17W / 1150lm / 2700K / 25° / 90 CRI  
**A83** PAR38 LED 17W / 1200lm / 3000K / 25° / 90 CRI  
**A84** PAR38 LED 17W / 1150lm / 2700K / 40° / 90 CRI  
**A85** PAR38 LED 17W / 1200lm / 3000K / 40° / 90 CRI

Fixtures above include specified LED lamps. See page 243 for lamp specifications.

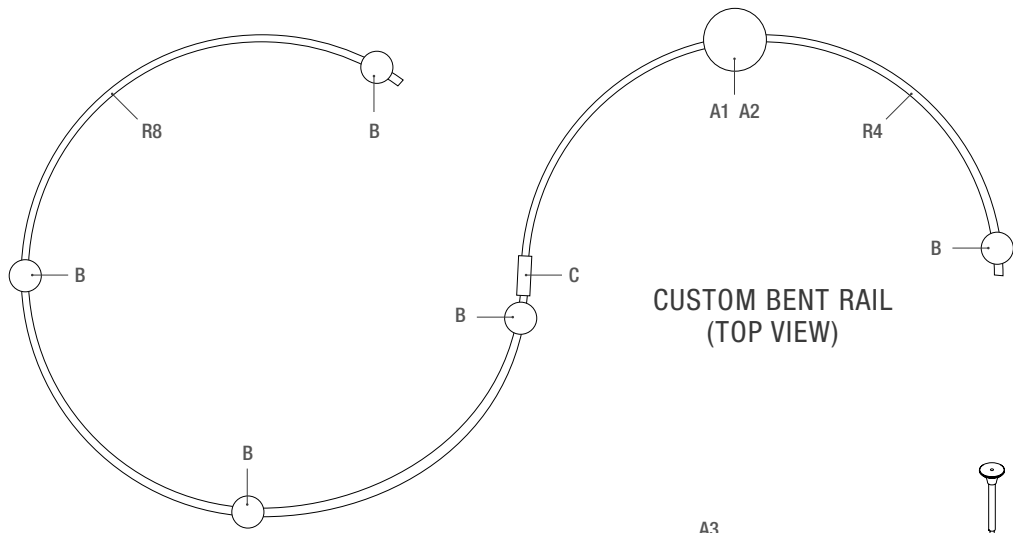
Note: To specify or order rail fixtures without lamp, leave off LED lamp code.



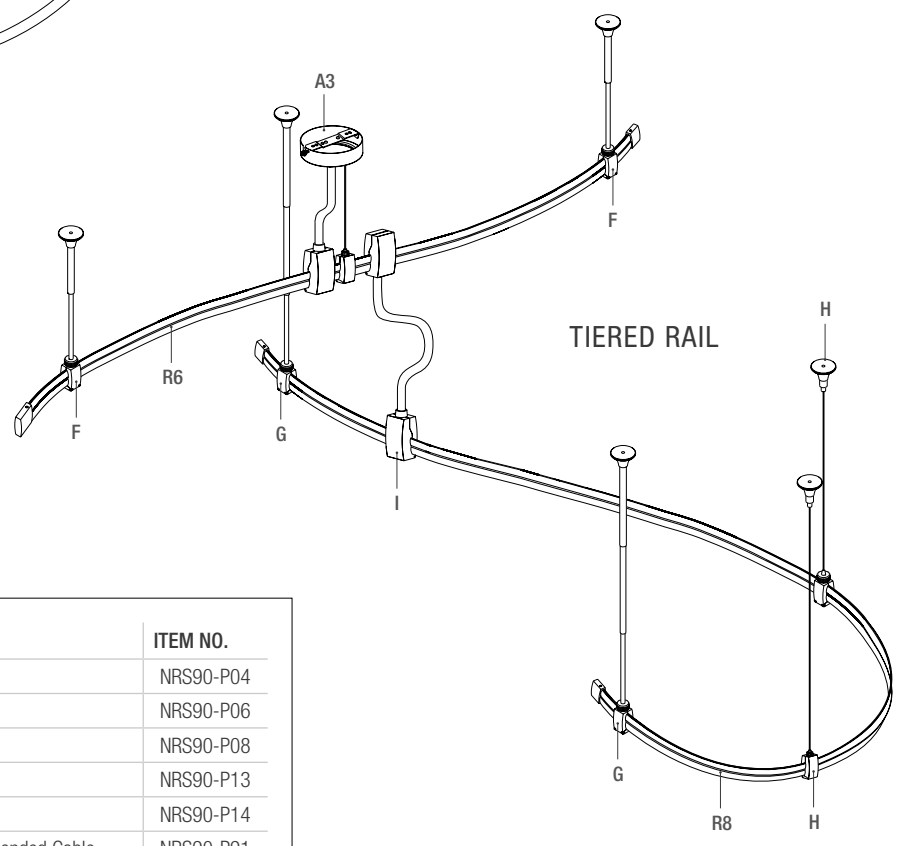




# LED NORA RAIL RAIL SYSTEM SAMPLE LAYOUTS

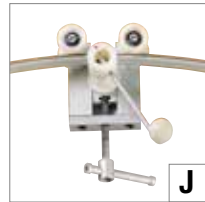


CUSTOM BENT RAIL  
(TOP VIEW)



TIERED RAIL

	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" Straight Ceiling Rail Support	NRS90-N14
C	Straight Rail Connector - Power (Live)	NRS90-P81
F	12" to 24" Adjustable Straight/Sloped Ceiling Standoff	NRS90-N70
G	25-1/4" to 48" Adjustable Straight/Sloped Ceiling Standoff	NRS90-N71
H	10' Aircraft Cable, Ceiling Rail Support	NRS90-N91
I	Flexible Rail to Rail Power Connector	NRS90-P82
J	Rail Bending Device (Rail can be bent in field)	NRS90-N33



INDIVIDUAL LISTINGS FOR LAMPS CAN BE FOUND AT [WWW.NORALIGHTING.COM](http://WWW.NORALIGHTING.COM)

## LED LAMP CHART SPECIFIABLE LED TRACK AND RAIL



SUFFIX	LAMP TYPE	KELVIN	CRI	WATT	LUMENS	BEAM ANGLE	CBCP	DIM	LAMP COLOR	NORA LAMP NUMBER
<b>LED 120V GU10/MR16</b>										
<b>A13</b>	GU10	3000K	82	6.5W	520	40°	730	Yes	White	6G10LEDA40D30
<b>U14</b>	GU10	3000K	80	6W	500	25°	1289	Yes	White	6G10LEDU25D30
<b>LED PAR 20</b>										
<b>E20</b>	PAR20	2700K	80	7W	500	20°	3600	Yes	White	7P20LEDE20D27S
<b>E21</b>	PAR20	3000K	80	7W	520	20°	3600	Yes	White	7P20LEDE20D30S
<b>A22</b>	PAR20	2700K	90	7W	460	25°	1500	Yes	White	8P20LEDA25D27
<b>A23</b>	PAR20	3000K	90	7W	470	25°	1540	Yes	White	8P20LEDA25D30
<b>LED PAR 30 SHORT NECK</b>										
<b>H30</b>	PAR30S	2700K	80	12W	850	25°	5000	Yes	White	125P30LED25D27S
<b>H31</b>	PAR30S	3000K	80	12W	900	25°	5300	Yes	White	125P30LED25D30S
<b>H32</b>	PAR30S	2700K	80	12W	850	35°	2400	Yes	White	125P30LED35D27S
<b>H33</b>	PAR30S	3000K	80	12W	900	35°	2500	Yes	White	125P30LED35D30S
<b>LED PAR 30 LONG NECK</b>										
<b>A34</b>	PAR30L	2700K	90	10W	750	25°	3540	Yes	White	10P30LEDA25D27
<b>A35</b>	PAR30L	3000K	90	10W	800	25°	3600	Yes	White	10P30LEDA25D30
<b>A36</b>	PAR30L	2700K	90	10W	750	40°	1560	Yes	White	10P30LEDA40D27
<b>LED PAR 38</b>										
<b>E82</b>	PAR38	2700K	92	18W	1250	25°	4900	Yes	White	20P38LEDE25D27S
<b>E83</b>	PAR38	3000K	81	18W	1550	25°	6000	Yes	White	20P38LEDE25D30S
<b>E84</b>	PAR38	2700K	81	18W	1550	40°	3800	Yes	White	20P38LEDE40D27S
<b>E85</b>	PAR38	3000K	81	18W	1550	40°	4000	Yes	White	20P38LEDE40D30S
<b>A82</b>	PAR38	2700K	90	17W	1150	25°	5900	Yes	White	20P38LEDA25D27
<b>A83</b>	PAR38	3000K	90	17W	1200	25°	5960	Yes	White	20P38LEDA25D30
<b>A84</b>	PAR38	2700K	90	17W	1150	40°	2500	Yes	White	20P38LEDA40D27
<b>A85</b>	PAR38	3000K	90	17W	1200	40°	2550	Yes	White	20P38LEDA40D30

# 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)

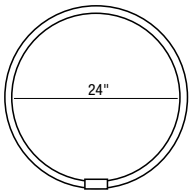
**Finish:** Brushed Nickel (BN), Bronze (BZ), Silver (S)

**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.



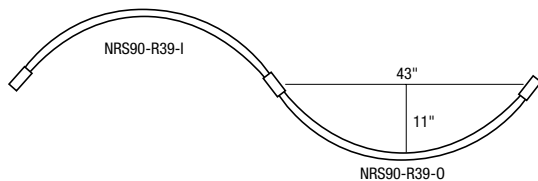
Complete Circle Pre-Bent Rails

**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)



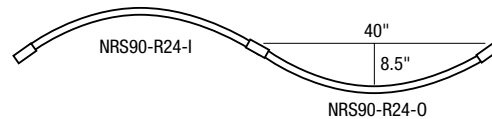
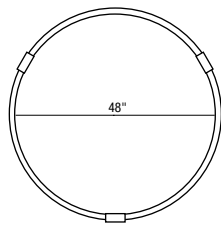
Curve Pre-bent Rails

**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



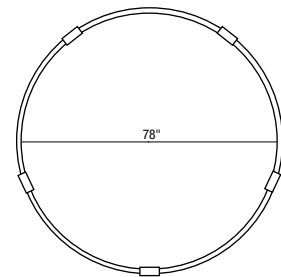
Soft Curve Pre-Bent Rails

**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

<b>NRS90-P37(finish)/1</b>	1A / 120W
<b>NRS90-P37(finish)/2.5</b>	2.5A / 300W
<b>NRS90-P37(finish)/5</b>	5A / 600W
<b>NRS90-P37(finish)/7.5</b>	7.5A / 900W
<b>NRS90-P37(finish)/10</b>	10A / 1200W
<b>NRS90-P37(finish)/12</b>	12A / 1440W
<b>NRS90-P37(finish)/14</b>	14A / 1680W

ORDER EXAMPLE: NRS90-P37BN/14

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

For use with NRS90-P11, NRS90-P14, NRS90-P17, NRS90-P87, NRS90-P88, NRS90-P89 power stem or NRS90-P90 power canopy with 10'6" cord



Rail Wall Mount Power Canopy

**NRS90-P40**

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
Rail feeds directly into canopy from wall mounted J-Box



Line Voltage Adjustable Slope Canopy for use with Power Stem

**NRS90-P10**

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
For use with NRS90-P17, NRS90-P87, NRS90-P88 and NRS90-P89 only.



Grounded Cord and Plug with Rail Connector

**NRS90-P99** 10'

**Finish:** **BN** Brushed Nickel, **S** Silver  
To power 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

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Canopy and Power Stem sold separately. Rigid power stems with canopy deliver 120V power to rail while providing a clean, streamlined appearance by eliminating bulky, flexible cords. Low profile canopy includes bracket to attach to a standard 4" junction box.



Power Canopy and Stem

**NRS90-P15** Canopy

**NRS90-P87** 12"-24"

Adjustable Power Stem

**NRS90-P88** 25-1/4" - 48"

Adjustable Power Stem

**NRS90-P89** 49-3/4" - 96"

Adjustable Power Stem

- NRS90-P15 must be used with NRS90-P87, NRS90-P88, NRS90-P89

- Heavy Cast Iron construction for longer stem application

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Canopy and Power Stem sold separately. Rigid power stems with canopy deliver 120V power to rail while providing a clean, streamlined appearance by eliminating bulky, flexible cords. Low profile canopy includes bracket to attach to a standard 4" junction box.



Adjustable Power Cord w/ Canopy

**NRS90-P90** 10'-6"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
Cord is field adjustable.



Adjustable Power Cord w/ Canopy and Support Cable

**NRS90-P91** 10'-6"

**NRS90-P91-M1** 20'

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Cord and cable are field adjustable.



Adjustable Power Cord with Rail Connector and Side Feed to Canopy

**NRS90-P80** 18" cord

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

- To connect rail to line voltage power

- Affixes to wall mount or ceiling mount standard junction box

## LIGHTING TIP

To meet stringent watts per square foot requirements use Nora Rail Current Limiter Power Canopy. NEC will rate line voltage rail at 45 watts per foot regardless of load. Use a 2.5A Current Limiter and system will be rated at 300 watts.

# LED NORA RAIL ACCESSORIES



Straight Ceiling Rail Support (Standoff)

**NRS90-N14** 4"  
**NRS90-N17**<sup>1</sup> 7-1/2"-11-1/2"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

<sup>1</sup> Telescoping supports allow for easy in the field leveling of rail system



Straight/Slope Ceiling Rail Standoff

**NRS90-N73** 3"  
**NRS90-N74** 4"

**NRS90-N77**<sup>1</sup> 8-1/4"-11-1/2"

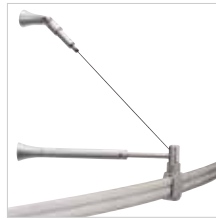
**NRS90-N70**<sup>1</sup> 12"-24"

**NRS90-N71**<sup>1</sup> 25-1/4"-48"

**NRS90-N72**<sup>1</sup> 49-3/4"-96"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

<sup>1</sup> Telescoping supports allow for easy in the field leveling of rail system



Adjustable Wall Rail Support (No Power)

**NRS90-N18** 5-1/2"-8-1/2"  
**NRS90-N26** 8-1/4"-11-1/2"

**NRS90-N27** 13-1/4"-24"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver



Adjustable Aircraft Cable Ceiling Rail Support

**NRS90-N91** 10'  
**NRS90-N91-M1** 20'

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Cable can be easily adjusted in the field with cutting cable and locking cable device.



T-Bar Clip and Cover

**NRS90-N21** 15/16"

**NRS90-N22** 9/16"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Attaches to all Rail supports.



Straight Connector

**NRS90-P81** Power (live)  
**NRS90-N89** Non-power

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Connects two rails together and will conduct power or not.



Flexible Live Corner Connector

**NRS90-P85** 9-1/2"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Attractive, enclosed flexible electrical connection between two rails



Live L-Connector

**NRS90-N03**

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Use with standard non-power stems.

**NRS90-N70** series

Connects and conducts power to two Rails in an "L" pattern.



Live X-Connector

**NRS90-N02**

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Use with standard non-power stems

**NRS90-N70** series

Connects and conducts power to multiple Rails in an "X" pattern.



Live T-Connector

**NRS90-N04**

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Use with standard non-power stems

**NRS90-N70** series

Connects and conducts power to multiple Rails in a "T" pattern.



Live L-Connector Power Stem

**NRS90-P03** 7-1/2"-11-1/2"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Conducts power from J-Box to Rail.

Connects and conducts power to two Rails in a "L" pattern.



Live T-Connector Power Stem

**NRS90-P01** 7-1/2"-11-1/2"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Conducts power from J-Box to Rail.

Connects and conducts power to multiple Rails in a "T" pattern.



Live X-Connector Power Stem

**NRS90-P02** 7-1/2"-11-1/2"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Conducts power from J-Box to Rail.

Connects and conducts power to multiple Rails in a "X" pattern.



Flexible Rail Power Connector

**NRS90-P82** 20"

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Connects two sections of rail where sharp angles prohibit the use of rail bending or for extending power connection through beams or drywall (cable cannot be shortened)



End Cap

**NRS90-N01**

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver

Two end caps included with each rail section.



# LED NORA RAIL ACCESSORIES



Universal Pendant Adaptor  
**NRS90-P86**

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
Allows any Line Voltage Pendant with support wire diameter of 1/4" or less, weighing under 10lbs. and 300W max. to adapt to the Nora Rail System.



Track Fixture Adapter for Rail  
**NRS90-P31**

**Finish:** **BZ** Bronze  
Allows Line Voltage track fixtures to be mounted to the Rail.



Three Prong Plug Adapter for Rail  
**NRS90-P30**

**Finish:** **S** Silver  
Allows a power outlet on the Rail.



Rail Bending Device  
**NRS90-N33**

Allows custom bending of rail in field.



Metal Clamp-on Ring for MR16 lamps  
**NRS90-N31**

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
For use with any fixture with a completely exposed MR16 lamp.



MR16 Decorative Ring with Lamp Spring  
**NRS90-N32**

**Finish:** **BN** Brushed Nickel, **BZ** Bronze, **S** Silver  
For use with NRS11-103, NRS11-104, NRS11-302

MR16 Honeycomb

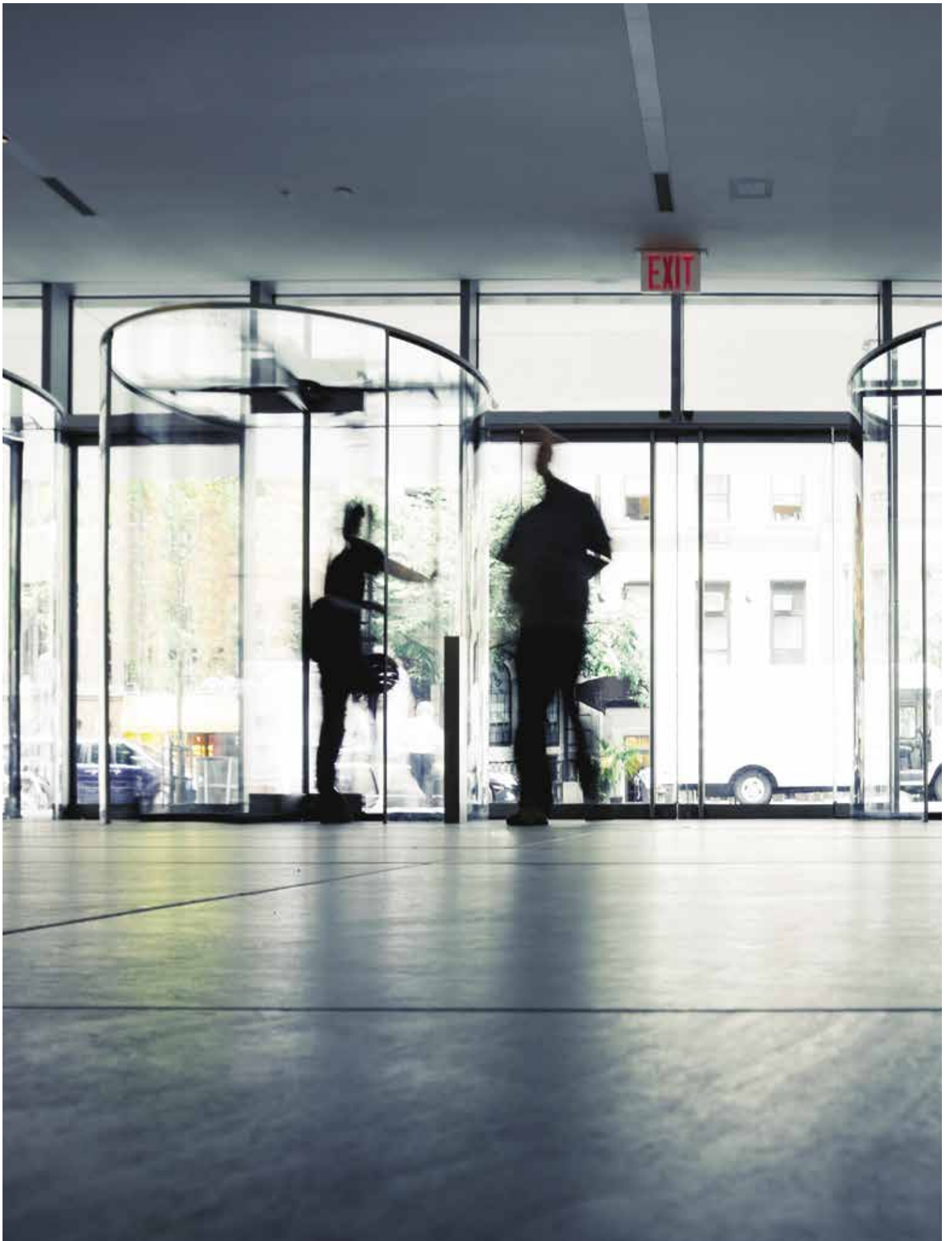
**NT-362** Black

For use with NRS90-N32.



MR16 Colored Lenses  
**NM-100/MR16**

**Finish:** **B** Blue, **C** Clear, **F** Frosted, **G** Green, **L** Linear Spread, **P** Pink, **R** Red, **S** Spread, **Y** Yellow  
For use with NRS90-N32.



# 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
- Remote Capable



### 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

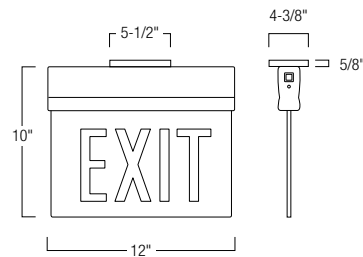


### STEEL BODY LED

- New York City Approved
- 120/277V



# EXIT & EMERGENCY LED EDGE-LIT EXIT SIGNS



## LED EDGE-LIT EXIT SIGN WITH ADJUSTABLE HOUSING

OPERATION	LETTER COLOR	PANEL COLOR	HOUSING COLOR
<b>NX-810-LED</b> AC only	<b>G</b> 6" Green	<b>C</b> Single Face, Clear Acrylic	<b>A</b> Natural Aluminum
<b>NX-811-LED</b> 2-Circuit	<b>R</b> 6" Red	<b>M</b> Single Face, Mirrored Acrylic	<b>B</b> Black
<b>NX-812-LED</b> Battery Backup		<b>2M</b> Double Face, Mirrored Acrylic	<b>W</b> White
<b>NX-822-LED</b> Battery Backup (New York approved)	<b>R</b> 8" Red	<b>C</b> Single Face, Clear Acrylic <b>2M</b> Double Face, Mirrored Acrylic	<b>A</b> Natural Aluminum

Example: **NX-811-LEDRMA** - 2-Circuit, Red Letters, Single Face, Mirrored Acrylic Panel, Natural Aluminum Housing

Ideal for architectural applications where aesthetic and minimal profile appearance is desired. The Edge-Lit series offers a small housing supporting a clear or mirrored acrylic face. LED sources within the housing cast a brilliant red or green illumination on letters embedded inside the acrylic face. Installation is versatile, with wall, ceiling, or side mount capability. AC-only, emergency circuit and 90 minute battery options are available.

### ELECTRICAL:

**Voltage:** 120V or 277V dual input

**Wattage:** 3W normal / 5W emergency operation

**Light Source:** LED

**Circuitry Protection:** Isolated surge and short circuit protection. Disconnect for deep discharge.

**CONSTRUCTION:** Two piece snap-together extruded aluminum housing holds battery, LED and top of acrylic panel.

**FACE:** Single or double faced acrylic face can be adjusted 0° to 90° in the field for wall, ceiling, or sloped applications. Red or green lettering inside face. Adhesive mounted chevrons included. Eight inch lettering option with 1" stroke for New York applications (red lettering only).

**MOUNTING:** Wall, side, or ceiling mount. Canopy and mounting hardware included.

**EMERGENCY CIRCUIT:** Second circuit for input from external EPS or other alternative emergency power source or generator (NX-811-LED only)

**BATTERY:** Replaceable Ni-Cad battery (NEB-NICAD) offers 90 minute emergency operation (NX-812-LED and NX-822-LED)

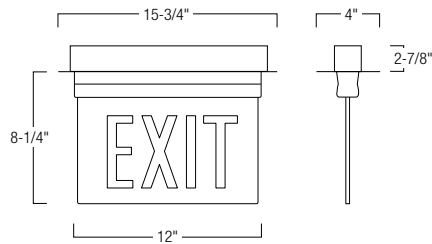
**TESTING:** High-charge / ready operation indicator light and test button.

### LISTING & WARRANTY:

- UL Listed
- NEC
- NFPA
- 5 year warranty on materials and workmanship



# EXIT & EMERGENCY RECESSED LED EDGE-LIT EXIT SIGNS



## RECESSED ADJUSTABLE LED EDGE-LIT EXIT SIGN

OPERATION	LETTER COLOR	PANEL COLOR	HOUSING COLOR
<b>NX-813-LED</b> AC only	<b>G</b> 6" Green	<b>C</b> Single Face, Clear Acrylic	<b>A</b> Natural Aluminum
<b>NX-814-LED</b> 2-Circuit	<b>R</b> 6" Red	<b>M</b> Single Face, Mirrored Acrylic	<b>B</b> Black
<b>NX-815-LED</b> Battery Backup		<b>W</b> Single Face, White Acrylic	<b>W</b> White
		<b>2M</b> Double Face, Mirrored Acrylic	

Example: **NX-814-LEDRMA** - 2-Circuit, Red Letters, Single Face, Mirrored Acrylic Panel, Natural Aluminum Housing

Recessed Edge-Lit fixtures utilize the adjustable housing to create a flush recessed exit sign. The wiring compartment and LED light sources are concealed within a galvanized steel housing. Brilliant red or green sign illumination effects embedded within a clear or mirrored acrylic panel. Single or double face options are available with AC-only, emergency circuit and 90 minute battery options are available.

### ELECTRICAL:

**Voltage:** 120V or 277V dual input

**Wattage:** 3W normal / 5W emergency operation

**Light Source:** LED

**Circuitry Protection:** Isolated surge and short circuit protection. Disconnect for deep discharge.

**CONSTRUCTION:** Galvanized steel housing with die-cast cover plate and acrylic panel.

**FACE:** Single or double faced acrylic face can be adjusted 0° to 90° in the field for wall, ceiling, or sloped applications. Red or green lettering inside face. Adhesive mounted chevrons included.

**MOUNTING:** Wall, side, or ceiling mount. Bar hangers with captive nails adjust to a maximum of 24-1/2" and compensate for a maximum ceiling thickness of 1".

**EMERGENCY CIRCUIT:** Second circuit for input from external EPS or other alternative emergency power source or generator (NX-814-LED only)

**BATTERY:** Replaceable Ni-Cad battery (NEB-NICAD) offers 90 minute emergency operation (NX-815-LED only)

**TESTING:** High-charge / ready operation indicator light and test button.

### LISTING & WARRANTY:

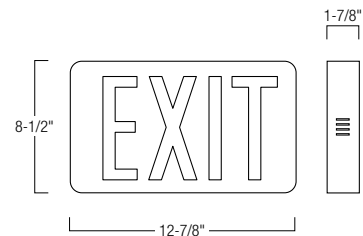
- UL Listed
- NEC
- NFPA
- 5 year warranty on materials and workmanship





# EXIT & EMERGENCY

## DIE-CAST LED EXIT SIGNS STANDARD AND SELF DIAGNOSTIC



### DIE-CAST LED EXIT SIGN

OPERATION	LETTER COLOR	FACES
<b>NX-505-LED</b> AC only	/G 6" Green	<b>(blank)</b> Single Face
<b>NX-525-LED</b> 2-Circuit	/R 6" Red	/2F Double Face
<b>NX-605-LED</b> Battery Backup		
<b>NX-615-LED</b> Battery Backup and Self Diagnostic		

Example: **NX-615-LED/R/2F** - Battery Backup and Self-Diagnostic, Red Letters, Double Faced

Ideal for architectural applications, Nora Lighting offers its low profile, die-cast aluminum LED exit signs. Both die-cast faces are brushed to give a simple, yet elegant, effect. In the event of a power loss, the LED light source will remain illuminated for 90 minutes. AC only, emergency circuit, 90 minute battery and self diagnostic options are available.

#### ELECTRICAL:

**Voltage:** 120V or 277V dual input

**Wattage:** 2W

**Light Source:** LED

**Circuitry Protection:** Isolated surge and short circuit protection. Disconnect for deep discharge.

**CONSTRUCTION:** Brushed, die-cast aluminum housing.

**FACE:** Single or double faced with 6" red or green lettering with color diffusion.

**MOUNTING:** Wall, side, or ceiling mount. Canopy and mounting hardware included.

**EMERGENCY CIRCUIT:** Second circuit for input from external EPS or other alternative emergency power source or generator. (NX-525-LED only)

**BATTERY:** Replaceable Ni-Cad battery (NEB-NICAD2) offers 90 minute emergency operation. (NX-605-LED and NX-615-LED only)

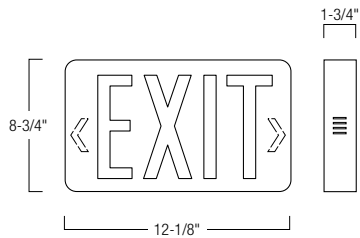
**TESTING:** High-charge / ready operation indicator light and test button with automatic reset.

#### LISTING & WARRANTY:

- UL Listed
- NEC
- NFPA
- NFPA-101 (NX-615-LED)
- 5 year warranty on materials and workmanship



# EXIT & EMERGENCY THERMOPLASTIC LED EXIT SIGNS



## THERMOPLASTIC LED EXIT SIGN

OPERATION	LETTER COLOR / HOUSING COLOR
<b>NX-503-LED</b> AC only	<b>/G</b> 6" Green / White Housing
<b>NX-504-LED</b> 2-Circuit	<b>/BG</b> 6" Green / Black Housing
<b>NX-603-LED</b> Battery Backup	<b>/R</b> 6" Red / White Housing
	<b>/BR</b> 6" Red / Black Housing

Example: **NX-504-LED/R** - 2-Circuit, Red Letters, White Housing

Nora Lighting's compact low profile LED exit sign are as brilliant and visible as standard incandescent signs, yet use a fraction of the power. LED light sources require no maintenance for 25 years - saving greatly on maintenance and upkeep costs. LED exit signs are ideal for commercial and industrial standard non-emergency applications where low maintenance and operating costs are a must.

### ELECTRICAL:

**Voltage:** 120V or 277V dual input

**Wattage:** 2W

**Light Source:** LED

**Circuitry Protection:** Isolated surge and short circuit protection. Disconnect for deep discharge.

**CONSTRUCTION:** Injection-molded thermoplastic housing available in white or black.

**FACE:** Both double and a blank face are included with 6" red or green lettering with color diffusion. Knockout directional chevrons are replaceable.

**MOUNTING:** Wall, side, or ceiling mount. Canopy and mounting hardware included.

**EMERGENCY CIRCUIT:** Second circuit for input from external EPS or other alternative emergency power source or generator. (NX-504-LED only)

**BATTERY:** Replaceable Ni-Cad battery (NEB-NICAD2) offers 90 minute emergency operation. (NX-603-LED only)

**TESTING:** High-charge / ready operation indicator light and test button with automatic reset.

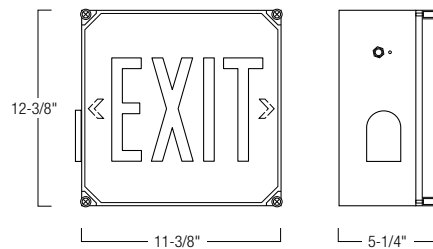
### LISTING & WARRANTY:

- UL Listed
- CSA (NX-503 and 603 red letters only)\*
- NEC
- NFPA
- Suitable for Damp Location
- 5 year warranty on materials and workmanship



# EXIT & EMERGENCY

## WET LOCATION LED EXIT SIGNS



### WET LOCATION LED EXIT SIGN

OPERATION	LETTER COLOR / HOUSING COLOR
<b>NX-607-LED</b> Battery Backup	<b>/G</b> 6" Green / Single Face / White Housing <b>/R</b> 6" Red / Single Face / White Housing

*Example: NX-607-LED/R - Battery Backup, Red Letters, Single Face, White Housing*

For wet and corrosive environments, Nora offers the NX-607-LED exit sign approved for wet location environments. A heavy-duty gasket-protected housing completely seals all electrical components and connections from corrosive atmospheres, non-hazardous dust, water spray, splash, and regular hose-downs. Ideal for industrial or any other applications subject to wet or cold weather.

#### ELECTRICAL:

**Voltage:** 120V or 277V dual input

**Wattage:** 4.8W

**Light Source:** LED

**CONSTRUCTION:** High impact plastic, heavy-duty gasket-protected housing.

**FACE:** Single face with 6" red or green lettering with color diffusion. Knockout directional chevrons.

**MOUNTING:** Wall mount only. All mounting hardware included.

**BATTERY:** Replaceable Ni-Cad battery (NEB-NICAD) offers 90 minute emergency operation. Internal solid state charging circuit.

**TESTING:** High-charge / ready operation indicator light and waterproof, rubber test button.

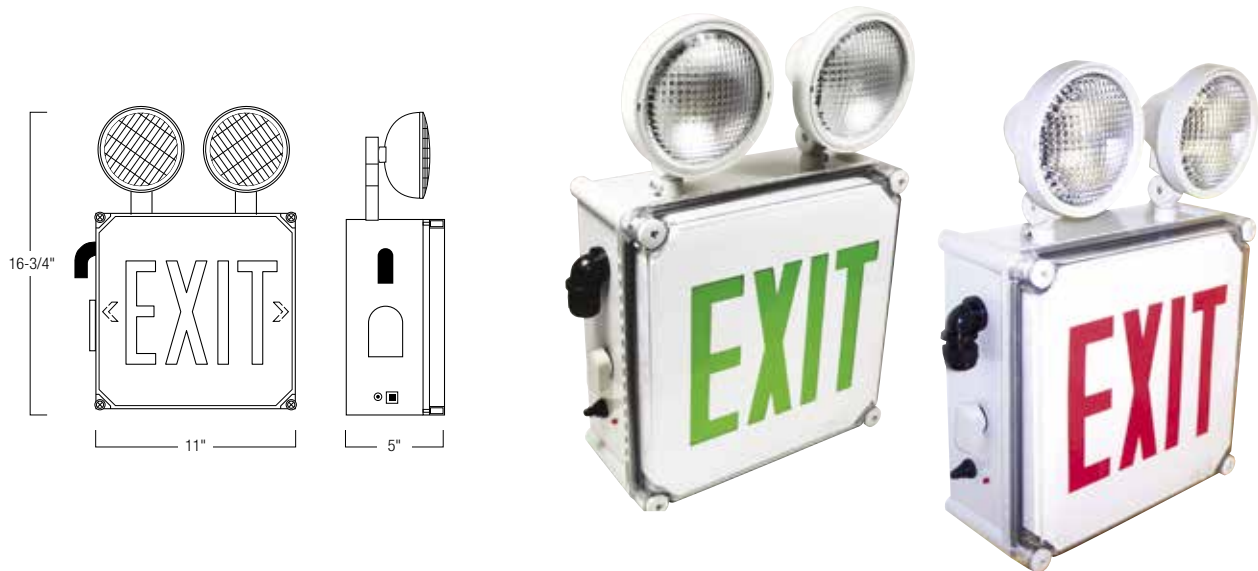
#### LISTING:

- UL Listed
- NEC
- NEMA-4X  
NFPA
- Suitable for Wet Location



# EXIT & EMERGENCY

## WET LOCATION LED EXIT /EMERGENCY



### WET LOCATION LED EXIT /EMERGENCY COMBINATION

OPERATION	LETTER COLOR / HOUSING COLOR
<b>NEX-710-LED</b> Battery Backup	<b>/G</b> 6" Green / Single Face / White Housing <b>/R</b> 6" Red / Single Face / White Housing

*Example: NEX-710-LED/R - Battery Backup, Red Letters, Single Face, White Housing*

For wet and corrosive environments, Nora offers the NEX-710-LED emergency / exit sign approved for wet location environments. A heavy-duty gasket protected housing completely seals all electrical components and connections from corrosive atmospheres, non-hazardous dust, water spray, splash, and regular hose-downs. During normal operation, the exit sign operates on long life LED sources for brilliant, maintenance-free illumination. During emergency operation, the exit sign and dual incandescent heads operate 90 minutes under battery power. Ideal for industrial or any other applications subject to wet or cold weather.

#### ELECTRICAL:

**Voltage:** 120V or 277V dual input

**Wattage:** 4.8W normal / 15W emergency operation

**Light Source:** Exit – LED

Emergency – 2 x 6W T5 6V Wedge Base incandescent lamps

**CONSTRUCTION:** High impact plastic, heavy-duty gasket-protected housing.

**FACE:** Single face with 6" red or green lettering with color diffusion. Knockout directional chevrons.

**EMERGENCY:** Two fully adjustable glare-free round heads for T5 light source.

**MOUNTING:** Wall mount only. All mounting hardware included.

**BATTERY:** Replaceable Lead-Calcium battery (NEB-6V-4.5) offers 90 minute emergency operation. Internal solid state charging circuit.

**TESTING:** High-charge / ready operation indicator light and waterproof, rubber test button.

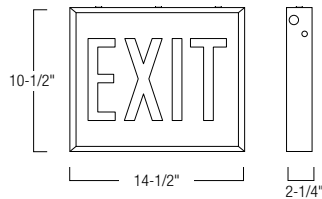
#### LISTING:

- UL Listed for Wet Location
- NEC
- NEMA-4X NFPA
- State and Municipal



# EXIT & EMERGENCY

## STEEL LED EXIT SIGN NEW YORK APPROVED



### STEEL LED EXIT AND EMERGENCY

OPERATION	LETTER COLOR / HOUSING COLOR
<b>NX-550-LED</b> Exit Sign with Battery Backup	<b>/R</b> 8" Red Letters / White Housing <b>/RB</b> 8" Red Letters / Black Housing

*Example: NX-550-LED/R - Steel LED Exit Sign, Battery Backup, Red Letters, White Housing*

Rugged 20 gauge steel luminaires comply with the latest New York City codes and performance standards. Available in exit or exit/emergency combination units.

#### ELECTRICAL:

**Voltage:** 120V or 277V dual input

**Wattage:** 4.8W

**Light Source:** LED

**Circuitry Protection:** Solid state

**CONSTRUCTION:** Low profile, snap-together housing constructed of 20 gauge steel. Snap-out knockouts for wiring.

**FACE:** Both double and a blank face are included with 8" red letters and 1" stroke. Knockout directional chevrons.

**MOUNTING:** Wall, side or ceiling mount. All mounting hardware included.

**BATTERY:** Ni-Cad 3.7 Watts at 120V battery offers 90 minute emergency operation on fully charged battery.

**TESTING:** High-charge / ready operation indicator light and test button.

#### LISTING:

- UL Listed
- NFPA-101
- NY Approved
- Suitable for Damp Location





# EXIT & EMERGENCY

## NEW YORK APPROVED STEEL LED EXIT AND EMERGENCY



### STEEL LED EXIT AND EMERGENCY

OPERATION	LETTER COLOR / HOUSING COLOR	NUMBER OF HEADS
<b>NEX-751-LED</b> Exit and Emergency with Battery Backup	<b>/R</b> 8" Red Letters / White Housing	<b>2</b> (2) Emergency LED Heads <b>3</b> (3) Emergency LED Heads

Example: **NEX-751-LED/R3** - Steel LED Exit Sign with (3) LED Emergency Heads, Battery Backup, Red Letters, White Housing

Rugged 20 gauge steel luminaires comply with the latest New York City codes and performance standards. Available in exit or exit/emergency combination units.

#### ELECTRICAL:

**Voltage:** 120V or 277V dual input

#### Wattage:

4.8W Normal

2W or 3W Emergency operation

**Light Source:** LED

**Circuitry Protection:** Solid state

**CONSTRUCTION:** Low profile, snap-together housing constructed of 20 gauge steel. Snap-out knockouts for wiring.

**FACE:** Both double and a blank face are included with 8" red letters and 1" stroke. Knockout directional chevrons.

**EMERGENCY:** Two or three 1W / 100lm per head LED emergency lights.

**MOUNTING:** Wall or side mount. All mounting hardware included.

**BATTERY:** Ni-Cad 3.6V 600mAH per head battery offers 90 minute emergency operation on fully charged battery.

**TESTING:** High-charge / ready operation indicator light and test button.

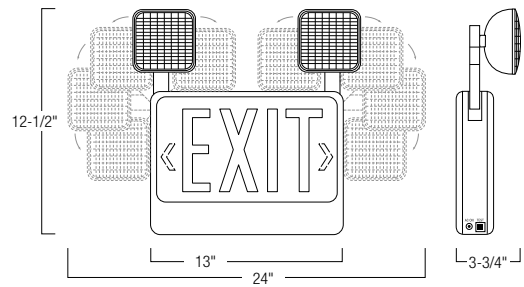
#### LISTING:

- UL Listed
- NFPA-101
- NY Approved
- Suitable for Damp Location



# EXIT & EMERGENCY LED EXIT & EMERGENCY

ADJUSTABLE HEADS, REMOTE CAPABILITY, SELF DIAGNOSTIC



## LED EXIT AND EMERGENCY WITH REMOTE CAPABILITY

OPERATION	LETTER COLOR / HOUSING COLOR
<b>NEX-711-LED</b> Battery Backup	<b>/G</b> 6" Green Letters / White Housing
	<b>/GB</b> 6" Green Letters / Black Housing
	<b>/R</b> 6" Red Letters / White Housing
	<b>/RB</b> 6" Red Letters / Black Housing

Example: **NEX-711-LED/R** - Battery Backup, Red Letters, White Housing



Compatible with Remote Heads, requires additional battery. See page 264.

Combination Dual Head Emergency / Exit fixture offers the ultimate in flexibility and options. During normal operation, the exit sign operates on long life LED sources for brilliant, maintenance-free illumination. During emergency operation, the exit sign and dual LED heads operate 90 minutes under battery power. The fixture can accept a second battery allowing two remote heads to be installed within 15' of the main unit.

### ELECTRICAL:

**Voltage:** 120V or 277V dual input

**Wattage:** 3.8W normal / 3.5W emergency

**Light Source:** LED

**Circuitry Protection:** Isolated surge and short circuit protection. Disconnect for deep discharge.

**CONSTRUCTION:** Injection-molded housing with 1/2" replaceable knockouts for power conduit feed. Available in white or black.

**FACE:** Both double and a blank face are included with 6" red or green letters with color diffusion. Knockout directional chevrons are replaceable.

**EMERGENCY:** Two adjustable arms with square 75lm LED heads with specular reflector & diffuser lens.

**MOUNTING:** Wall, side or ceiling mount. Housing snaps to canopy with a simple twist and lock. All mounting hardware included.

**BATTERY:** Replaceable Ni-Cad battery offers 90 minute emergency operation. Additional battery may power remote 3.6V 3W head.

**TESTING:** Self-Diagnostic luminaire performs self-tests. High-charge / ready operation indicator light and test button.

**REMOTE:** Luminaire can accept an additional battery to power a remote emergency head within 15' for 90 minutes during power failure. See page 264 for compatible 3.6V 3W remote heads.

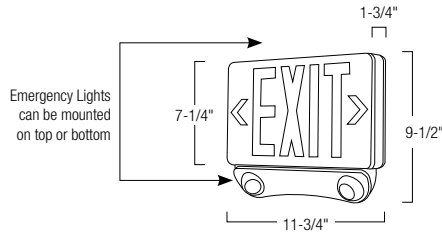
### LISTING:

- cULus Listed for Damp Location
- NEC
- NFPA



# EXIT & EMERGENCY

## COMPACT ADJUSTABLE HEADS LED EXIT & EMERGENCY



### LED EXIT AND EMERGENCY WITH ADJUSTABLE HEADS

OPERATION	LETTER COLOR / HOUSING COLOR
<b>NEX-730-LED</b> Battery Backup	<b>/G</b> 6" Green Letters / White Housing
	<b>/GB</b> 6" Green Letters / Black Housing
	<b>/R</b> 6" Red Letters / White Housing
	<b>/RB</b> 6" Red Letters / Black Housing

Example: **NEX-730-LED/R** - Exit and Emergency Light with Adjustable Heads, Battery Backup, Red Letters, White Housing

NEX-730 Combination Dual Head Emergency / Exit fixture offers the ultimate in flexibility and options. During normal operation, the exit sign operates on long life LED sources for brilliant, maintenance-free illumination. During emergency operation, the exit sign and dual LED heads operate 90 minutes under battery power.

**ELECTRICAL:**

**Voltage:** 120V or 277V dual input

**Wattage:** 2.8W normal / 3.5W emergency

**Light Source:** LED

**Circuitry Protection:** Isolated surge and short circuit protection. Disconnect for deep discharge.

**CONSTRUCTION:** Injection molded high impact and scratch resistant corrosion-proof and UL94 5V-0 flame retardant housing. Available in white or black.

**FACE:** Single faced with 6" red or green lettering with color diffusion. Knockout directional chevrons are replaceable.

**EMERGENCY:** Two adjustable balls and socket with self-protected, covered, round glare-free LEDs. Emergency heads can be mounted on top or bottom.

**MOUNTING:** Wall or ceiling mount. All mounting hardware included.

**BATTERY:** Replaceable Ni-Cad battery offers 90 minute emergency operation. Internal solid state charging circuit.

**TESTING:** High-charge / ready operation indicator light and test button.

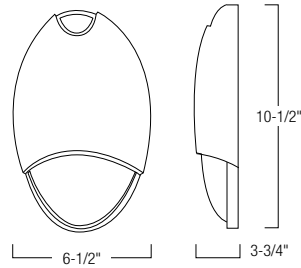
**LISTING:**

· UL Listed for Damp Location



# EXIT & EMERGENCY

## OUTDOOR DIE-CAST LED EMERGENCY PHOTOSENSOR



### OUTDOOR DIE-CAST LED EMERGENCY LIGHT WITH PHOTOSENSOR

OPERATION	HOUSING COLOR	OPTIONS
<b>NE-901LED</b> General / Emergency Lighting	<b>B</b> Black Housing <b>BZ</b> Bronze Housing <b>W</b> White Housing	<b>CC</b> Cold Weather Heat Pad

*Example: NE-901LEDBCC - Outdoor Die-Cast Emergency Light with Photosensor, Black Housing, with Cold Weather Heat Pad*

Decorative low profile architectural die-cast luminaire with polycarbonate lens rated for cold weather and outdoor applications. Unique luminaire includes general lighting for everyday use and emergency lighting when power failure occurs.

**ELECTRICAL:**

**Voltage:** 120/277 VAC 60Hz

**Lumens / Wattage:** 1200lm / 15W general lighting  
180lm / 3W emergency lighting

**Light Source:** LED

**CCT / CRI:** 5000K / 80 CRI

**CONSTRUCTION:** Low profile, die-cast aluminum housing with UV resistant polycarbonate lens is IP65 rated and suitable for outdoor applications. Available in white, black or bronze finish.

**GENERAL LIGHTING:** The photosensor will turn on the luminaire in the absence of light. The fixture can also be turned on and off with a wall switch.

**EMERGENCY:** During power loss, luminaire will switch into emergency mode and illuminate at 180lm for up to 90 minutes. A 24 hour maximum recharge time is required after power loss.

**COLD WEATHER APPLICATION:** Upon reaching -10°C an internal heating pad will maintain optimal operating temperature with an AC connection.

**MOUNTING:** Wall mounted with top or rear knockouts.

**BATTERY:** Maintenance-free NiCad 4.8V 1.8A offers 90 minute emergency operation.

**TESTING:** Self-Diagnostic luminaire performs self-tests. High-charge / ready operation indicator light and test button.

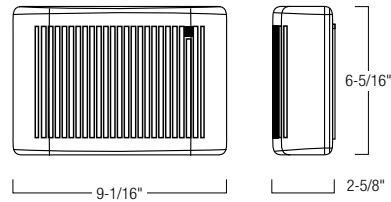
**LISTING:**

- cULus Listed for Wet Location
- IP65 Rated



# EXIT & EMERGENCY

## PHOTOSENSOR OUTDOOR DIE-CAST LED EMERGENCY



### OUTDOOR SLIM LED EMERGENCY LIGHT WITH PHOTOSENSOR

OPERATION	HOUSING COLOR
<b>NE-902LED</b> General / Emergency Lighting	<b>B</b> Black Housing <b>BZ</b> Bronze Housing <b>W</b> White Housing

*Example: NE-902LEDBZ - Outdoor Slim Emergency Light with Photosensor, Bronze Housing*

Slim architectural outdoor LED wallpack with photosensor for dusk to dawn security lighting. Unique luminaire includes general lighting for everyday use and emergency lighting when power failure occurs.

#### ELECTRICAL:

**Voltage:** 120 or 277 VAC 60Hz

**Lumens / Wattage:** 1600lm / 18W general lighting  
600lm / 5W emergency lighting

**Light Source:** LED

**CCT:** 5000K

**CONSTRUCTION:** Low profile, die-cast aluminum housing with UV resistant polycarbonate lens is IP65 rated and suitable for outdoor applications. Available in white, black or bronze finish.

**GENERAL LIGHTING:** The photosensor will turn on the luminaire in the absence of light. The fixture can also be turned on and off with a wall switch.

**EMERGENCY:** During power loss, luminaire will switch into emergency mode and illuminate at 600lm for up to 90 minutes. A 24 hour maximum recharge time is required after power loss.

**MOUNTING:** Wall mounted with top or rear knockouts.

**BATTERY:** Maintenance-free NiCad 7.2V 2A offers 90 minute emergency operation.

**TESTING:** Self-Diagnostic luminaire performs self-tests. High-charge / ready operation indicator light and test button.

#### LISTING:

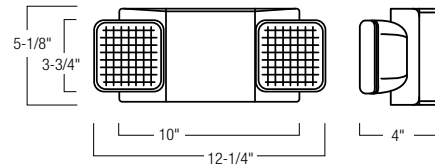
- UL Listed for Wet Location
- DLC Listed
- IP65 Rated





# EXIT & EMERGENCY

## LED EMERGENCY LIGHT REMOTE CAPABILITY / SELF DIAGNOSTIC



### DUAL HEAD LED EMERGENCY LIGHT WITH REMOTE CAPABILITY

OPERATION	REMOTE	HOUSING COLOR
<b>NE-700LEDRC</b> Battery Backup	<b>RC</b> Remote Capability	<b>B</b> Black Housing <b>W</b> White Housing

Example: **NE-700LEDRCB** - Dual Head Emergency Light with Remote Capability, Black Housing



Compatible with Remote Heads, requires additional battery. See page 264.

Mini profile LED emergency light with remote capability and self diagnostics. Luminaire provides 90 minutes of light from two adjustable heads for illuminating paths of egress upon failure of normal power.

**ELECTRICAL:**

**Voltage:** 120/277 VAC 60Hz  
**Lumens / Wattage:** Two 1W / 100lm  
**Light Source:** LED  
**CCT:** 6000K

**CONSTRUCTION:** Injection-molded thermoplastic ABS housing with 5VA flame retardant features snap-together design for easy installation. .

**EMERGENCY:** Two fully adjustable glare-free square LED heads for emergency lighting.

**MOUNTING:** Suitable for wall or ceiling mount. Plastic enclosure includes a top and side knockout for conduit applications.

**BATTERIES:** Maintenance-free, rechargeable NiCad battery offers 90 minute emergency operation. Includes additional 3.6V battery for 3W remote capabilities

**REMOTE:** Luminaire includes an additional battery to power a remote emergency head within 15' for 90 minutes during power failure. See page 264 for compatible 3.6V 3W remote heads

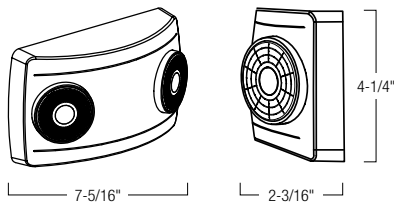
**TESTING:** Self-Diagnostic luminaire performs self-tests. High-charge / ready operation indicator light and test button.

**LISTING:**

- cULus Listed for Damp Location
- NFPA



# EXIT & EMERGENCY LED EMERGENCY LIGHTS



## DUAL HEAD LED EMERGENCY LIGHT WITH REMOTE CAPABILITY

OPERATION	HOUSING COLOR
<b>NE-602LED</b> 2W / 150lm Heads (no remote capability)	<b>B</b> Black Housing
<b>NE-602LEDRC</b> 2W / 150lm Heads / Remote Capable / Self Diagnostics	<b>W</b> White Housing
<b>NE-602LEDHORC</b> 4W / 250lm Heads / Remote Capable / Self Diagnostics	

Example: **NE-602LEDB** - 2W / 150lm Dual Head Emergency Light, No Remote Capability, Black Housing



Compatible with Remote Heads, requires additional battery. See page 264.

LED Emergency lights provide 90 minutes of light from two adjustable glare-free round LED heads for illuminating paths of egress upon failure of normal power. Emergency unit is available in higher lumen output and remote capability.

### ELECTRICAL:

**Voltage:** 120/277 VAC 60Hz

**Lumens / Wattage:**

(2) 1W / 75lm (standard) or

(2) 2W / 125lm (high output)

**Light Source:** LED

**CCT:** 6000K

**CONSTRUCTION:** Injection-molded thermoplastic ABS housing with 5VA flame retardant features quick connectors for easy installation.

**EMERGENCY:** Two fully adjustable glare-free round LED heads for emergency lighting.

**MOUNTING:** Suitable for wall or ceiling mount.

Plastic enclosure includes a top and side knockout for conduit applications.

**BATTERY:** Maintenance-free, rechargeable NiCad battery offers 90 minute emergency operation.

Optional 3.6V battery for 3.6V 2W or 3W remote capabilities available

**REMOTE:** Luminaire can be specified with an additional battery to power a remote emergency head within 15' for 90 minutes during power failure. See page 264 for compatible 3.6V remote heads.

**TESTING:** Optional self-diagnostic feature performs self-tests. High-charge / ready operation indicator light and test button.

### LISTING & WARRANTY:

- cULus Listed for Damp Location
- NFPA
- 3-Year Limited Warranty



# EXIT & EMERGENCY

## EMERGENCY REMOTE HEADS

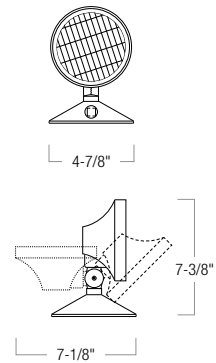


### T5 Round Single Head

**NE-831** White / Single Head / Damp Location

**NE-931**  Grey / Single Head / Wet Location

- 6V or 12V input
- 6V 6W T5 wedge base lamp included
- Lamp must be replaced for 12V operation
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant

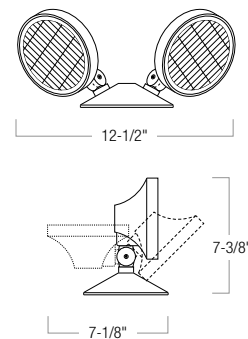


### T5 Round Double Head

**NE-832** White / Double Head / Damp Location

**NE-932**  Grey / Double Head / Wet Location

- 6V or 12V input (6V lamp included)
- (2) 6V 6W T5 wedge base lamps included
- Lamps must be replaced for 12V operation
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant



### LED Round Single or Double Head

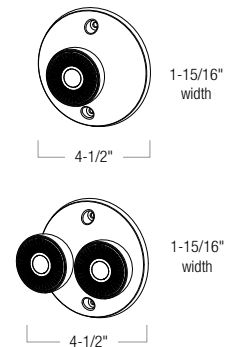
**NE-861LEDW** White / Single Head / (1) 1W / Damp Location

**NE-862LEDW** White / Double Head / (2) 1W / Damp Location

**NE-863LEDW** White / Single Head / (1) 2W / Damp Location

**NE-864LEDW** White / Double Head / (2) 2W / Damp Location

- 3.6V input / 1W (861, 862) or 2W (863, 864) LED included per head
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant

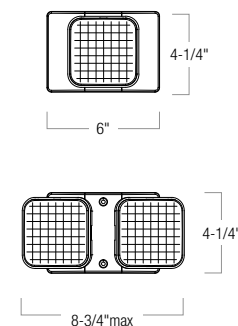


### LED Square Single or Double Head

**NE-871LEDW** White / Single Head / (1) 1W / Damp Location

**NE-872LEDW** White / Double Head / (2) 1W / Damp Location

- 3.6V input
- 1W LED included per head
- Fully adjustable, glare free light heads with positive positioning lock
- Reliable slide friction position hold
- Mounting hardware included
- UL 924 Compliant



# EXIT & EMERGENCY ACCESSORIES

## Replacement Face Plate with Letters and Lens

**NEXL-G** Green Letters

**NEXL-R** Red Letters

- White Thermoplastic Exit Face Plate
- Compatible Exit Signs:  
NX-503-LED, NX-504-LED, NX-603-LED



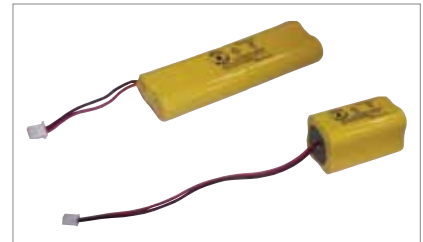
## Replacement NiCad Batteries

**NEB-NICAD** Rectangle / 4.8V

- Compatible Exit Signs:  
NX-607-LED, NX-810-LED, NX-811-LED, NX-812-LED, NX-813-LED,  
NX-814-LED, NX-815-LED

**NEB-NICAD2** Square / 4.8V

- Compatible Exit Signs:  
NX-607-LED, NX-810-LED, NX-811-LED, NX-812-LED, NX-813-LED,  
NX-814-LED, NX-815-LED



## Replacement Lead Calcium Battery

**NEB-6V-4.5** 6 Volt, 4.5 Amp/Hour

- Compatible Emergency & Exit/Emergency Combination Units:  
NE-806, NE-960, NEX-710-LED
- Can be used as an additional battery for remote capabilities

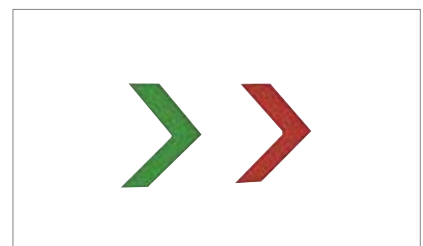


## Replacement Chevrons for Edge-Lit Series

**NEXC-G** Green Letters

**NEXC-R** Red Letters

- Set of two Chevrons
- Compatible Exit Signs:  
NX-810-LED, NX-811-LED, NX-812-LED, NX-813-LED,  
NX-814-LED, NX-815-LED



## Emergency Battery Backup for Recessed Housings

**NEPK-BSL17C-C2U** 90 minute battery backup

- Compatible with new construction and remodel housings
- Includes remote test switch



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# **NORA** | *NSPEC* LIGHTING®

**NORA LIGHTING, INC.**  
6505 Gayhart St.  
Commerce, CA 90040  
Tel: (800) 686-6672  
Fax: (800) 500-9955  
Email: [nora@NoraLighting.com](mailto:nora@NoraLighting.com)  
[www.NoraLighting.com](http://www.NoraLighting.com)

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6505 Gayhart St.  
Commerce, CA 90040  
Tel: (323) 767-2600  
Fax: (323) 722-3677

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