

# LED LIGHTING

SECOND EDITION

Recessed

Recessed Retrofit

Lightbars

Under Cabinet

Tape Light

Step Lights

Track

Rail

Pendants

 **NORALIGHTING**®

*Illuminating the future.*

Discover the Green advantage.  
It's good for the planet. It's good for you.





# What is LED?

## The Light Emitting Diode...LED

Basically, LEDs are tiny light bulbs, or semiconductor diodes, that fit easily into an electrical circuit. But unlike ordinary incandescent lamps, they do not have a filament that burns out or gets hot. The diodes emit light when partnered with an electrical current and are illuminated solely by the movement of electrons in the semiconductor material.

The LED is called solid state lighting or "SSL" because light is emitted from a solid object, the semiconductor diode, instead of a vacuum or gas tube (like an incandescent, fluorescent or HID lamp). The diode itself is a two-terminal crystalline and when an electrical current passes through it, the recombination of positive and negative charges results in the emission of visible light.

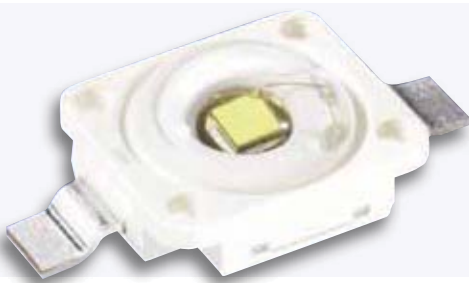
Less than one millimeter square, individual LEDs are clustered on a circuit board to create an array, which is then incorporated into a light fixture.

## LED Evolution

Back in the 1960s, LEDs were introduced as red and green indicator lights on digital clocks, handheld calculators and household appliances. By the early 1990s, researchers discovered they could fabricate a blue LED. Once the blue LED was on the map, scientists figured out that by introducing phosphors to the blue LED, they could produce a brighter, whiter light.

These phosphors, however, create heat, which is not associated with the LED itself. Solutions for heat management are critical in the design of long-lasting "white" LEDs.

Since discovering the blue LED, manufacturers have worked to produce a warmer LED light... because a warm white color temperature creates a familiar home-like environment. Today LED warm whites are now above 90 on the CRI (Color Rendering Index) scale; incandescent lamps have a CRI of 100, the industry standard for a perfect score.



The lighting industry has rarely seen a more compelling dynamic than the nationwide effort to go green with LEDs. Municipalities, airports and civic centers are converting entire public area lighting systems. Cost-conscious institutional and commercial facilities can not retrofit fast enough. And architects and home builders want the coveted LED (and LEED) green designations for the marketing edge.

"...no other lighting technology offers as much potential to save energy and enhance the quality of our building environments, contributing to our nation's energy and climate change solutions."

*Energy Efficiency and Renewable Energy Section  
U.S. Department of Energy*

## Higher Color Rendering Indexes (CRI)

Higher Color Rendering Indexes, CRI, have led to the acceptance in residential and commercial lighting applications. Higher CRIs mean true color rendition. Generally acceptable CRI values should be between 80 and 100. Color output can be controlled in 2 ways, by phosphor coating the LED chip or by color mixing of LEDs in an array of chips. Nora Lighting offers both types, our Platinum Series downlights use Osram® phosphor coated LEDs while our Diamond Series downlights use the patented Cree® coloring mixing method.

## Longer Performance Life

LEDs have a rated life based on the time it takes for the light output to decrease to 70% of the original output, which is typically about 50,000 hours or 17 years of normal use. A typical incandescent fixture will need to be re-lamped 10 or more times during the life of an LED fixture.

As LED chips increase in lumens and efficacy, the lighting industry is focused on producing better performing products. With higher lumen-per-watt LEDs being introduced everyday, the future for LEDs is bright.

Within the next decade LEDs are expected to be the dominant light source... a clean and green alternative for homes, cities and business.



# LED Products Overview

## LED RECESSED DIAMOND SERIES

|   |   |   |  |   |
|---|---|---|--|---|
|  |  |  |  |  |
| <b>NEW!</b><br>6" 1000 Lumen<br>LED Diamond Series <b>p.11</b>                    | 6" 650 Lumen<br>LED Diamond Series <b>p.12</b>                                    | <b>NEW!</b><br>5" 1000 Lumen<br>LED Diamond Series <b>p.17</b>                    | 5" 650 Lumen<br>LED Diamond Series <b>p.18</b>                                     | 4" 610 Lumen<br>LED Diamond Series <b>p.21</b>                                      |

## LED DIAMOND ADJUSTABLE

|   |   |
|---|---|
|  |  |
| <b>NEW!</b><br>6" 610 Lumen Adjustable<br>LED Diamond Series <b>p.13</b>          | <b>NEW!</b><br>6" 610 Lumen Adjustable<br>LED Diamond Series <b>p.13</b>          |

## LED RECESSED PLATINUM SERIES

|   |  |   |
|---|--|---|
|  |  |  |
| 6" 710 Lumen LED<br>Platinum Series <b>p.24-25</b>                                | 5" 705 Lumen LED<br>Platinum Series <b>p.24-25</b>                                 | 4" 560 Lumen LED<br>Platinum Series <b>p.24-25</b>                                  |

## LED STEP LIGHTS

|  |  |  |
|--|--|--|
|  |  |  |
| <b>NEW!</b><br>Mini LED<br>Step Lights <b>p.27-28</b>                              | <b>NEW!</b><br>LED Brick Step Lights <b>p.29</b>                                   | LED Step Lights <b>p.29</b>  |

## LED SPECIALTY

|   |  |
|---|--|
|  |  |
| 24V LED Lightbar<br>& Lightbar Plus <b>p.32-37</b>                                  | <b>NEW!</b><br>LED 120V LEDUC<br>Under Cabinet <b>p.38</b>                           |

## LED SPECIALTY continued

|   |   |   |  |   |
|---|---|---|--|---|
|  |  |  |  |  |
| <b>NEW!</b><br>LED 120V Bravo Linear<br>LED 120V Bravo Plus Linear <b>p.39</b>      | 12V / 24V Standard<br>LED Tape Light <b>p.41-44</b>                                 | <b>NEW!</b><br>24V Hy-Brite & High Output<br>LED Tape Light <b>p.46-49</b>          | 12V / 24V RGB<br>LED Tape Light <b>p.51-53</b>                                       | 12V LED<br>Puck Light <b>p.55-57</b>  |

## LED TRACK LIGHTING

|   |   |   |  |   |
|---|---|---|--|---|
|  |  |  |  |  |
| <b>NEW!</b><br>LED Linear Flood<br>T-Wash Track Head <b>p.59</b>                    | <b>NEW!</b><br>25W Adjustable Beam<br>Flex Beam Track Head <b>p.60</b>              | <b>NEW!</b><br>12W/23W LED<br>Cori Track Head <b>p.60</b>                           | 18W LED<br>Pillar Track Head <b>p.61</b>   | 9W LED<br>Robo Track Head <b>p.61</b>   |

# LED Products Overview

## LED TRACK LIGHTING *continued*



Metro™ Track Head with 3-5W GU10 MR16 LED **p.62**



Italia™ Track Head with 3-5W GU10 MR16 LED **p.62**



Belgium™ Track Head with 12W PAR30 LED **p.62**



Belgium™ Track Head with 17-20W PAR38 LED **p.63**



Lamp Holder with 7-20W PAR LED **p.63**

## LED TRACK LIGHTING *continued*



Truly Universal™ Holder with 7-20W PAR LED **p.63**



Gimbal Ring with 7W PAR20 LED **p.64**



Gimbal Ring with 12W PAR30 LED **p.64**



Gimbal Ring with 17-20W PAR38 LED **p.64**



9W LED Robo Rail Fixture **p.67**

## LED RAIL

## LED RAIL LIGHTING *continued*



Siena Rail Fixture with 3-5W GU10 MR16 LED **p.68**



Neat Rail Fixture with 3-5W GU10 MR16 LED **p.68**



Ives Gooseneck Fixture with 3-5W GU10 MR16 LED **p.68**



Fili Display Rail Fixture with 3-5W GU10 MR16 LED **p.68**



Ulysses Rail Fixture with 7W PAR20 LED **p.69**

## LED RAIL LIGHTING *continued*



Ulysses Rail Fixture with 12W PAR30 LED **p.69**



Ulysses Rail Fixture with 17-20W PAR38 LED **p.69**



Belgium Rail Fixture with PAR30/PAR38 LED **p.69-70**



Gimbal Ring with 7W PAR20 LED **p.70**



Gimbal Ring with 12W PAR30 LED **p.70**

## LED RAIL *cont.*



Gimbal Ring with 17-20W PAR38 LED **p.70**



Universal Holder with 7-20W PAR LED **p.71**



Exhibit Display with 3-5W GU10 MR16 LED **p.71**

## DISPLAY LIGHT

## LED PENDANTS



Saria LED Pendant **p.72**

**NEW!**



10W LED Pendant Assembly **p.73**



# Nora LED Recessed Lighting

## LED Diamond Retrofit Series

Nora's newest family of LED recessed luminaires is uniquely designed using Cree® LEDs for retrofit applications, but can also be used in new construction and remodel applications. "RETROFIT" refers to an application where an existing housing installed in commercial, public, or a residential space is converted to another light source without having to remove the existing housing. Nora's LED Diamond Series has been designed and tested to cULus standards to be used in Nora existing housings as well as many other manufacturers' housings. The Diamond can also be specified for use with Nora dedicated housings. The ability to use the Nora LED Diamond Series in existing housings allows for easier, lower cost, replacement of an existing light source improving the pay-back factor when changing to LED Energy Saving lighting.

## LED Platinum Series

Nora's first generation of LED recessed lighting is designed for new construction and remodel applications. Time tested in commercial, national account and residential applications across the US, the LED Platinum Series uses a separate LED module and a dedicated housing with an outboard mounted LED driver system allowing for excellent heat management. The Platinum series uses high output Osram® LEDs producing as much as 710 lumens. The die-cast aluminum LED module is integral to the die-cast low profile flange.

## LED Diamond vs. LED Platinum

| FEATURES   | DIAMOND | PLATINUM |
|--|---------|----------|
| Deep set lens for visual comfort and glare control           | X       | X        |
| Wet Label cULus Listed                                       | X       | X        |
| 2700K, 3000 and 4000K Color temperatures (CCT)               | X       |          |
| 3000 and 4200K Color temperatures (CCT)                      |         | X        |
| Die-cast aluminum reflector and flange                       |         | X        |
| cULus Listed for Retrofit application in existing housings   | X       |          |
| Available for new construction or remodel applications       | X       | X        |
| Die-Cast aluminum LED module and outboard mounted driver     |         | X        |
| UTM heat management system                                   | X       |          |
| Available in 4", 5" and 6"                                   | X       | X        |
| Available in 120-277 V (not dimmable)                        |         | X        |
| 277V with step-down transformer                              | X       |          |
| Available with regressed adjustable gimbal                   | X       |          |
| Available with decorative glass elements                     | X       |          |
| Osram® LED package   |         | X        |
| Cree® LED package  | X       |          |
| Dimmable with incandescent dimmer                            | X       | X        |
| Available with emergency battery back-up                     |         | X        |
| Die Cast reflectors available in 4 finishes                  |         | X        |
| High grade spun aluminum reflector and baffles in 7 finishes | X       |          |
| Approved "Lighting Facts" available                          | X       | X        |
| CEC approved and listed                                      | X       | X        |
| Meets Title 24 requirements                                  | X       | X        |
| Dedicated new construction and remodel housings              | X       | X        |
| cULus Listed   | X       | X        |
| Energy Star Listed   | X       | X        |
| IC and Air Tight rated                                       | X       | X        |
| Tested in accordance with LM79 and LM80                      | X       | X        |

## What is a "Dedicated" Housing and why use one?

Both the Nora Diamond and Platinum Series of recessed LED luminaires can be specified for use with respective "dedicated" housings. "Dedicated" refers to a housing, new construction or remodel, that can only be used with and is only cULus listed for use with a specific Nora LED recessed module. These housings come with a unique connector that can only be use with the respective Platinum or Diamond LED module.

Many local and national codes require the use of a "dedicated" LED unit to meet energy savings requirements for building energy codes, LEED's points, and energy rebates. Because the "dedicated" housing requires and is cULus listed for the use of a specific Nora LED modules the end user cannot use or convert the installed "dedicated" housing to another low efficacy source. This can be very important to lighting specifiers and end users expecting a performance level and visual appearance as found in only the Nora LED unit.

# LED Recessed Diamond Series

## 4", 5" AND 6" LED ENERGY EFFICIENT RECESSED LIGHTING

Nora Lighting's Diamond Series of LED recessed downlights are cULus listed and UL classified for use in existing 4", 5" and 6" Remodel or New Construction housings manufactured by Nora and others. The 11 watt 4" Retrofit provides 610 lumens, while the 5" and 6" units are available in 12 watt, 650 lumens and 15 watt, 1000 lumens. All are offered in 2700K, 3000K and 4000K, are dimmable and consume 75% less energy than incandescent sources.

### FEATURES

- 7 year limited warranty\*\*
- Smooth dimming down to 5%
- Title 24 and Energy Star Rated
- Qualifies for LEEDS points and Energy Rebates
- cULus Listed, Damp Location series and Wet Location series
- Tested in accordance with IESNA LM79 & LM80
- Scientifically designed lens diffuses the LED image while providing high lumen output; standard on all trims
- Deep Set LEDs for excellent glare free lighting
- 5" and 6" produce 650 or 1000 lumens  
4" unit produces 610 lumens using only 11W
- 2700K, 3000K and 4000K at 91 to 86 CRI
- Long life LEDs up to 50,000 hours
- Lighting Facts approved
- Save 75% compared to Incandescent source
- Available in 3 configurations: For medium based housings, GU24 optional socket, and dedicated hardwire with quick connect
- No ultraviolet or infrared wavelengths that cause fading of artwork and perishable merchandise. Mercury free!
- Does not emit forward heat like traditional light sources
- Available as downlight, adjustable or decorative glass in Reflector and Baffle style in Bronze, Copper, Natural Metal, Haze, Clear, Black and White finishes



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

Business and residential customers are switching to LEDs to save money and the environment



65W BR30  
Incandescent



18W Compact  
Fluorescent



12W LED  
Source

|                                     | 65W BR30<br>Incandescent | 18W Compact<br>Fluorescent | 12W LED<br>Source |
|-------------------------------------|--------------------------|----------------------------|-------------------|
| Fixture energy cost for 50,000 hrs. | \$3,250                  | \$900                      | \$750             |
| Life in years                       | .67 Years                | 4.1 Years                  | 17 Years          |
| Useable Light (fc)*                 | 24.2                     | 21.9                       | 22.6              |
| Energy Star Qualified               | No                       | Yes                        | Yes               |

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

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



# LED Retrofit Diamond Series

**7 YEAR\*\***  
LIMITED WARRANTY

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

**Medium Screw Base**  
Optional GU24 adapter available

**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 or a dimmer designed for LED dimming

**UTM - Unitized Thermal Management System**  
Fins dissipate heat

Qualifies for LEEDS points and energy rebates

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

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

**cULus Listed**  
Damp Location Series  
Wet Location Series



**LEDs**  
2700K, 3000K and 4000K,  
93 to 86 CRI  
11W 4", 12W 5" & 6"  
and 15W 5" & 6"

**Environment Friendly**  
No Mercury, ultraviolet, or infrared wavelengths

**Diffused Lens**  
Deep set for excellent visual comfort

**Reflector or Baffle**  
Self-Flanged Spun Aluminum

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



# 6" LED Recessed Diamond Series



## 6" Retrofit Unit

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

Nora offers mounting accessories for "L" and "P" style housings that do not have the torsion spring brackets (see page 14).

Retrofit units are also available in 4", and 5" apertures suitable for damp and wet locations.











## 6" Dedicated Unit

Nora's Diamond Series Dedicated "NLEDC" units are cULus listed for use only in Nora NHIC-6LMRAT or NHRIC-6LMRAT housings. Dedicated units assure that the LED package will meet most energy rebate or saving requirements and assure the use of Nora's Diamond Series as specified.

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

Dedicated units are also available in 4", and 5" apertures suitable for damp and wet locations.

## Compatible 6" Nora Housings

| NEW CONSTRUCTION   |                                   | REMODEL   |                                   |
|--|-----------------------------------|---|-----------------------------------|
|  <b>NHIC-17QAT</b>    | 6" ICAT Line Voltage              |  <b>NHRIC-17QAT</b>    | 6" ICAT Line Voltage              |
|  <b>NHIC-17QNBAT</b>  | 6" ICAT Line Voltage (No Bracket) |  <b>NHRIC-17QNBAT</b>  | 6" ICAT Line Voltage (No Bracket) |
| <b>NH-26Q</b>  | 6" Line Voltage                   | <b>NHR-26Q</b>  | 6" Line Voltage                   |
| <b>NH-26QNB</b>  | 6" Line Voltage (No Bracket)      |  <b>NHRIC-6G24ATFL</b> | 6" ICAT GU24                      |
|  <b>NHIC-6G24ATFL</b> | 6" ICAT GU24                      |  <b>NHRIC-6LMRAT</b>   | 6" ICAT Dedicated LED             |
|  <b>NHIC-6LMRAT</b>   | 6" ICAT Dedicated LED             |   |                                   |

277V step-down transformer available & Emergency Pack Available w/Test Switch  
Consult factory or specification sheet

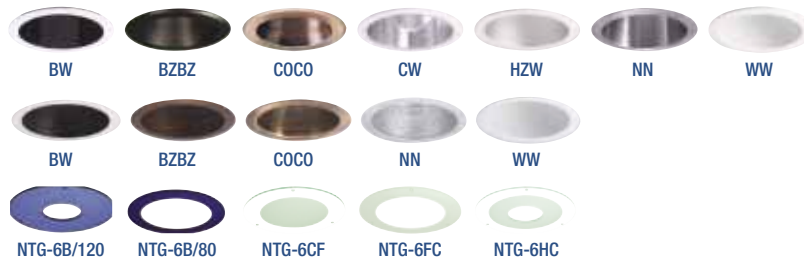
**NEW!**  
**1000**  
**Lumens**



6" unit as shown  
NLEDR-68140HZW  
NLEDR-69140HZW

**5 YEAR**  
LIMITED WARRANTY

6" unit as shown  
NLEDC-68830CW + NTG-6B/80 + NTG-6FC  
NLEDC-69830CW + NTG-6B/80 + NTG-6FC



**6" 1000 LUMEN LED RETROFIT & DEDICATED DIAMOND UNIT**

| CATALOG. NO.                          | TRIM                                      | COLOR TEMP. | FINISH    |
|---------------------------------------|---|-------------|-----------|
| NLEDC - Dedicated<br>NLEDR - Retrofit | 681 - Reflector                           | 27 - 2700K  | See Below |
|                                       | 691 - Reflector, Wet Label                | 30 - 3000K  |           |
|                                       | 682 - Baffle                              | 40 - 4000K  |           |
|                                       | 692 - Baffle, Wet Label                   |             |           |
|                                       | 688 - Reflector for Decorative Glass      |             |           |
|                                       | 698 - Reflector for Decorative Glass, Wet |             |           |

**681 / 691 / 688 / 698 - Reflector and Flange Finishes**

|             |   |
|-------------|---|
| <b>BW</b>   | Specular Black Reflector and White Flange     |
| <b>BZBZ</b> | Bronze Reflector and Bronze Flange            |
| <b>COCO</b> | Copper Reflector and Copper Flange            |
| <b>CW</b>   | Specular Clear Reflector and White Flange     |
| <b>HZW</b>  | Haze Reflector and White Flange               |
| <b>NN</b>   | Natural Metal Reflector and Nat. Metal Flange |
| <b>WW</b>   | White Reflector and White Flange              |

**682 / 692 - Baffle and Flange Finishes**

|             |  |
|-------------|--|
| <b>BW</b>   | Black Baffle and White Flange              |
| <b>BZBZ</b> | Bronze Baffle and Bronze Flange            |
| <b>COCO</b> | Copper Baffle and Copper Flange            |
| <b>NN</b>   | Natural Metal Baffle and Nat. Metal Flange |
| <b>WW</b>   | White Baffle and White Flange              |

**688 / 698 - Decorative Glass Options (Glass Ordered Separately)**

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

\* LED Dedicated unit includes Quick Connect for use with Dedicated Remodel and New Construction Nora housings.  
\*\* The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass.

**DIAMOND SERIES LED RECESSED**  
**6" 1000 Lumen LED**  
Retrofit and Dedicated

Nora Lighting is excited to add a 1000 Lumen product to our LED Diamond Recessed Luminaires. cULus listed for use in existing 6" IC or Non-IC housings manufactured by Nora and others, it provides up to 1000 lumen output and 91 CRI. Available in Damp and Wet location styles. Nora's 1000 Lumen LED Retrofit Diamond is ideal for higher ceiling applications, reducing the number of units required to achieve desired foot-candle levels, and an obvious choice for Green Energy Efficient lighting in commercial and residential applications.

**Electrical:**

Voltage: 120VAC  
Current: 130mA  
Lumens: 987lm  
Power Consumption: 14.3 Watts  
Color Rendering Index: 91 CRI  
Operating Temperature: 0°C~50°C (32°F~122°F)  
Life Expectancy: 50,000 Hours

**Socket:**

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

**Installation:** Torsion springs

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

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

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

**Listing:**

cULus Listed for Damp Location (NLEDC-68 and NLEDR-68 Series)  
cULus Listed for Wet Location (NLEDC-69 and NLEDR-69 Series)  
UL Classified for use with most manufacturers IC and Non-IC housings  
WSEC ASTM E283 for Air-Tight (with IC Housing)  
Title 24 Compliant (GU24 & Dedicated Version)  
Energy Star Rated  
RoHS Compliant  
Lighting Facts approved  
5 Year Limited Warranty  
Conforms to IESNA LM-79 and LM-80



# DIAMOND SERIES LED RECESSED 6" 650 Lumen LED Retrofit and Dedicated

Nora Lighting's 650 Lumen LED Diamond Retrofit Recessed Luminaires are cULus and Wet listed for use in existing 6" IC or Non-IC housings manufactured by Nora and others, it provides up to 650 lumen output and 86 CRI. Nora's 650 Lumen LED Retrofit Diamond is ideal for reducing the number of units required to achieve desired foot-candle levels, and an obvious choice for Green Energy Efficient lighting in commercial and residential applications.

**Electrical:**

Voltage: 120VAC  
Current: 100mA  
Lumens: 650lm  
Power Consumption: 11.8 Watts  
Color Rendering Index: 86 CRI  
Operating Temperature: 0°C~50°C (32°F~122°F)  
Life Expectancy: 50,000 Hours

**Socket:**

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

**Installation:** Torsion springs

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

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

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

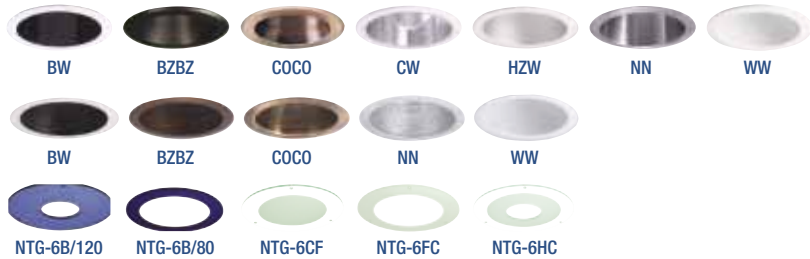
**Listing:**

cULus Listed for Damp Location (NLEDC-66 and NLEDR-66 Series)  
cULus Listed for Wet Location (NLEDC-67 and NLEDR-67 Series)  
UL Classified for use with most manufacturers IC and Non-IC housings  
WSEC ASTM E283 for Air-Tight (with IC Housing)  
Title 24 Compliant (GU24 & Dedicated Version)  
Energy Star Rated  
RoHS Compliant  
Lighting Facts approved  
7 Year Limited Warranty  
Conforms to IESNA LM-79 and LM-80



6" unit as shown  
NLEDR-66130BZBZ  
WET NLEDR-67130BZBZ

6" unit as shown  
NLEDC-66230WW  
WET NLEDC-67230WW



## 6" 650 LUMEN LED RETROFIT & DEDICATED DIAMOND UNIT

| CATALOG. NO.      | TRIM                                      | COLOR TEMP. | FINISH    |
|-------------------|---|-------------|-----------|
| NLEDC - Dedicated | 661 - Reflector                           | 27 - 2700K  | See Below |
| NLEDR - Retrofit  | 671 - Reflector, Wet Label                | 30 - 3000K  |           |
|                   | 662 - Baffle                              | 40 - 4000K  |           |
|                   | 672 - Baffle, Wet Label                   |             |           |
|                   | 668 - Reflector for Decorative Glass      |             |           |
|                   | 678 - Reflector for Decorative Glass, Wet |             |           |

**661 / 671 / 668 / 678 - Reflector and Flange Finishes**

|             |   |
|-------------|---|
| <b>BW</b>   | Specular Black Reflector and White Flange     |
| <b>BZBZ</b> | Bronze Reflector and Bronze Flange            |
| <b>COCO</b> | Copper Reflector and Copper Flange            |
| <b>CW</b>   | Specular Clear Reflector and White Flange     |
| <b>HZW</b>  | Haze Reflector and White Flange               |
| <b>NN</b>   | Natural Metal Reflector and Nat. Metal Flange |
| <b>WW</b>   | White Reflector and White Flange              |

**662 / 672 - Baffle and Flange Finishes**

|             |  |
|-------------|--|
| <b>BW</b>   | Black Baffle and White Flange              |
| <b>BZBZ</b> | Bronze Baffle and Bronze Flange            |
| <b>COCO</b> | Copper Baffle and Copper Flange            |
| <b>NN</b>   | Natural Metal Baffle and Nat. Metal Flange |
| <b>WW</b>   | White Baffle and White Flange              |

**668 / 678 - Decorative Glass Options** (Glass Ordered Separately)

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

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

\*\* The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass.

**5 YEAR**  
LIMITED WARRANTY

**NEW!**

## DIAMOND SERIES LED RECESSED 6" Adjustable LED Retrofit and Dedicated

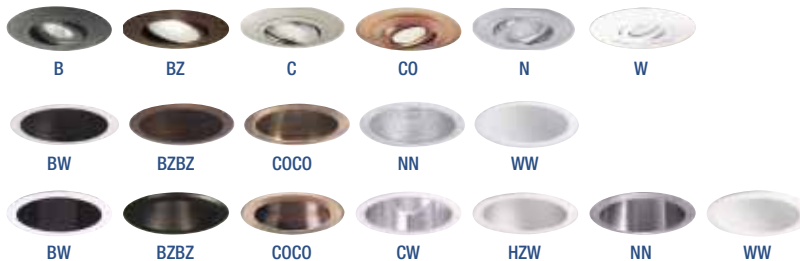


6" unit as shown  
NLEDR-66940NN

NRA-212  
GU24 Adapter

6" unit as shown  
NLEDC-66730NN

6" unit as shown  
NLEDR-66427W



### 6" ADJUSTABLE LED RETROFIT & DEDICATED DIAMOND UNIT

| CATALOG. NO.      | TRIM                           | COLOR TEMP. | FINISH    |
|-------------------|--------------------------------|-------------|-----------|
| NLEDC - Dedicated | 664 - Surface Flush Adjustable | 27 - 2700K  | See Below |
| NLEDR - Retrofit  | 667 - Regressed Baffle         | 30 - 3000K  |           |
|                   | 669 - Regressed Reflector      | 40 - 4000K  |           |

#### 664 - Surface Flush Adjustable

|           |                    |
|-----------|--------------------|
| <b>B</b>  | Black Adjustable   |
| <b>BZ</b> | Bronze Adjustable  |
| <b>C</b>  | Chrome Adjustable  |
| <b>CO</b> | Copper Adjustable  |
| <b>N</b>  | Natural Adjustable |
| <b>W</b>  | White Adjustable   |

#### 667 - Regressed Baffle and Ring Finishes

|             |  |
|-------------|--|
| <b>BW</b>   | Black Baffle and White Ring              |
| <b>BZBZ</b> | Bronze Baffle and Bronze Ring            |
| <b>COCO</b> | Copper Baffle and Copper Ring            |
| <b>NN</b>   | Natural Metal Baffle and Nat. Metal Ring |
| <b>WW</b>   | White Baffle and White Ring              |

#### 669 - Regressed Reflector and Ring Finishes

|             |   |
|-------------|---|
| <b>BW</b>   | Specular Black Reflector and White Ring     |
| <b>BZBZ</b> | Bronze Reflector and Bronze Ring            |
| <b>COCO</b> | Copper Reflector and Copper Ring            |
| <b>CW</b>   | Specular Clear Reflector and White Ring     |
| <b>HZW</b>  | Haze Reflector and White Ring               |
| <b>NN</b>   | Natural Metal Reflector and Nat. Metal Ring |
| <b>WW</b>   | White Reflector and White Ring              |

Nora Lighting is excited to introduce the new Adjustable to our LED Diamond Retrofit Recessed Luminaires. The Nora LED Adjustable Retrofit is cULus listed for use in existing 6" IC or Non-IC housings manufactured by Nora and others. Providing up to 610 lumen output and 94 CRI the Adjustable LED Diamond Retrofit is an excellent Green Energy Efficient lighting solution for wall-washing, accent and slope ceiling commercial and residential applications.

#### Electrical:

Voltage: 120VAC  
Current: 100mA  
Lumens: 614lm  
Power Consumption: 11 Watts  
Color Rendering Index: 94 CRI  
Operating Temperature: 0°C~50°C (32°F~122°F)  
Life Expectancy: 50,000 Hours

#### Socket:

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

#### Installation:

Torsion springs

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

**Gimbal:** Adjustable gimbal rotates 358° and can be adjusted from 0° to 40°.

**Lens:** 2" diameter for optimal light distribution and scientifically designed for optimal performance.

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

#### Listing:

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



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

# 6" LED Diamond Series Accessories



Retrofit Collar

**NRA-6159** - For "L" Style housings OD: 6-1/4"

**NEW!**

**NRA-6159PRG** - For "P" Style housings OD: 6"

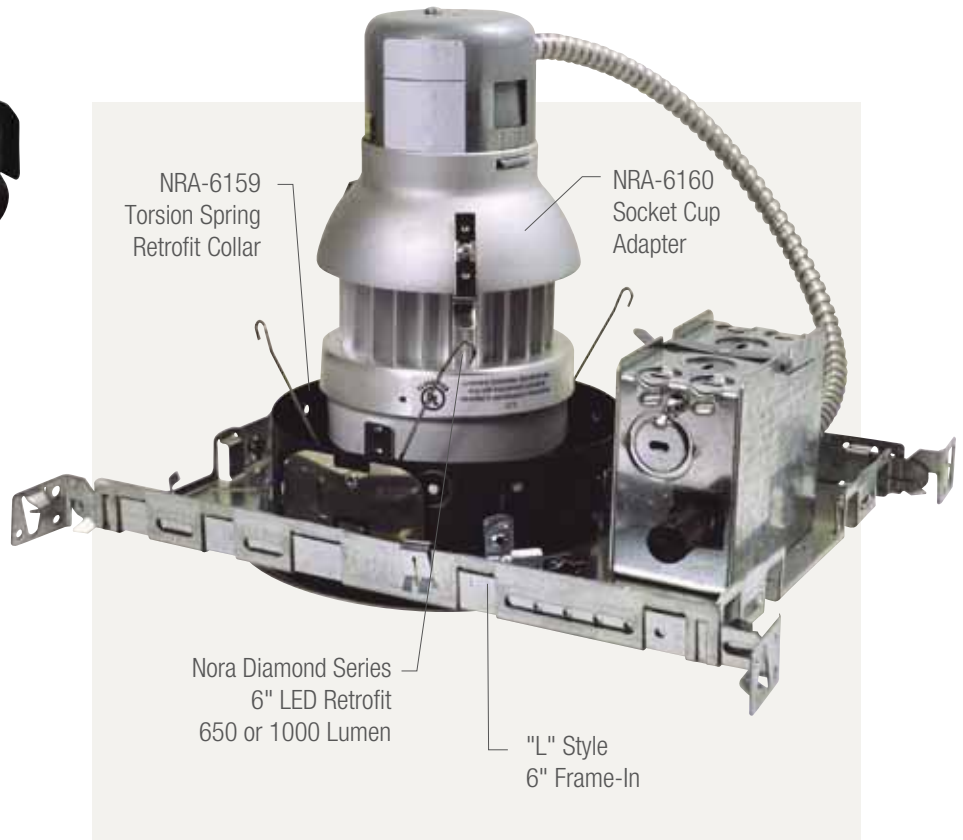
For use with existing nominal 6" housings that do not have brackets for torsion springs. Unit installs using friction blades. For housings or frame-ins that have a loose socket cup not in a housing, use Socket Cup Adapter NRA-6160.



Socket Cup Adapter

**NRA-6160**

For use with NRA-6159 Retrofit Collar. Adaptor attaches to the top of a 6" Diamond Series 650 or 1000 Lumen unit to accept a floating socket.



NRA-6159  
Torsion Spring  
Retrofit Collar

NRA-6160  
Socket Cup  
Adapter

Nora Diamond Series  
6" LED Retrofit  
650 or 1000 Lumen

"L" Style  
6" Frame-In

277V step-down transformer available. Consult factory or specification sheet.



6" Decorative Glass

**NTG-6B/120**

Tempered Blue Glass with 4-3/4" Open Center



6" Decorative Glass

**NTG-6B/80**

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



6" Decorative Glass

**NTG-6CF**

Tempered Clear Glass with Frosted Center



6" Decorative Glass

**NTG-6FC**

Tempered Frosted Glass with Clear Center



6" Decorative Glass

**NTG-6HC**

Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

Glass includes both Flat and Cone Cap Nuts.



# 5" LED Recessed Diamond Series



## 5" Retrofit Unit






Nora's Diamond Series Retrofit "NLEDR" units make changing an existing incandescent recessed housing into an energy efficient LED as simple as screwing in a lamp. The unit ships with a medium base socket. The Diamond is cULus listed for use in IC or Non-IC housings by Nora and others. Additionally each retrofit version ships with an additional connector for cULus approved hard wiring of an existing housing to meet some energy rebate requirements. The 5" Series comes with friction blades allowing it to be used in most housings. Retrofit units are also available in 4", and 6" apertures suitable for damp and wet locations.



## 5" Dedicated Unit

Nora's Diamond Series Dedicated "NLEDC" units are cULus listed for use only in Nora NHIC-5LMRAT or NHRIC-5LMRAT housings. Dedicated units assure that the LED package will meet most energy rebate or saving requirements and assure the use of Nora's Diamond Series as specified. Because the housing is only cULus listed for the Nora LED Dedicated unit; the designer, specifier, distributor, and end user can be assured they will be getting the finish and performance they expect. Dedicated units are also available in 4", and 6" apertures suitable for damp and wet locations.

## Compatible 5" Nora Housings

| NEW CONSTRUCTION   |                       | REMODEL   |                       |
|--|-----------------------|---|-----------------------|
|  <b>NHIC-501QAT</b>   | 5" ICAT Line Voltage  |  <b>NHRIC-504QAT</b>   | 5" ICAT Line Voltage  |
| <b>NH-501Q</b>   | 5" Line Voltage       | <b>NHR-504Q</b>   | 5" Line Voltage       |
|   <b>NHIC-5G24ATFL</b> | 5" ICAT GU24          |   <b>NHRIC-5G24ATFL</b> | 5" ICAT GU24          |
|   <b>NHIC-5LMRAT</b>   | 5" ICAT Dedicated LED |   <b>NHRIC-5LMRAT</b>   | 5" ICAT Dedicated LED |

277V step-down transformer available & Emergency Pack Available w/Test Switch  
Consult factory or specification sheet

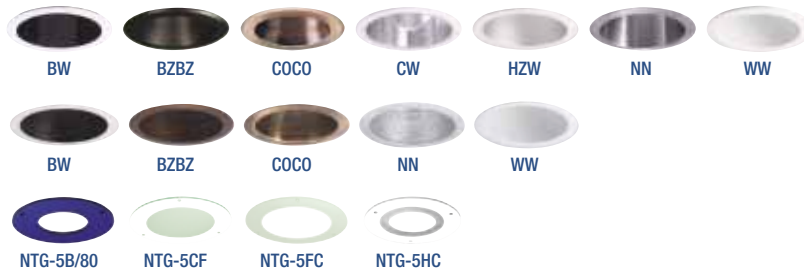




5" unit as shown  
NLEDR-58240WW  
NLEDR-59240WW

**5 YEAR**  
LIMITED WARRANTY

5" unit as shown  
NLEDC-58830CW + NTG-5CF  
NLEDC-59830CW + NTG-5CF



## 5" 1000 LUMEN LED RETROFIT & DEDICATED DIAMOND UNIT

| CATALOG. NO.      | TRIM                                      | COLOR TEMP. | FINISH |
|-------------------|---|-------------|--------|
| NLEDC - Dedicated | 581 - Reflector                           | 27 - 2700K  | See    |
| NLEDR - Retrofit  | 591 - Reflector, Wet Label                | 30 - 3000K  | Below  |
|                   | 582 - Baffle                              | 40 - 4000K  |        |
|                   | 592 - Baffle, Wet Label                   |             |        |
|                   | 588 - Reflector for Decorative Glass      |             |        |
|                   | 598 - Reflector for Decorative Glass, Wet |             |        |

### 581 / 591 / 588 / 598 - Reflector and Flange Finishes

|             |   |
|-------------|---|
| <b>BW</b>   | Specular Black Reflector and White Flange     |
| <b>BZBZ</b> | Bronze Reflector and Bronze Flange            |
| <b>COCO</b> | Copper Reflector and Copper Flange            |
| <b>CW</b>   | Specular Clear Reflector and White Flange     |
| <b>HZW</b>  | Haze Reflector and White Flange               |
| <b>NN</b>   | Natural Metal Reflector and Nat. Metal Flange |
| <b>WW</b>   | White Reflector and White Flange              |

### 582 / 592 - Baffle and Flange Finishes

|             |  |
|-------------|--|
| <b>BW</b>   | Black Baffle and White Flange              |
| <b>BZBZ</b> | Bronze Baffle and Bronze Flange            |
| <b>COCO</b> | Copper Baffle and Copper Flange            |
| <b>NN</b>   | Natural Metal Baffle and Nat. Metal Flange |
| <b>WW</b>   | White Baffle and White Flange              |

### 588 / 598 - Decorative Glass Options (Glass Ordered Separately)

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

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

\*\* The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass.

## DIAMOND SERIES LED RECESSED 5" 1000 Lumen LED Retrofit and Dedicated

Nora Lighting is excited to add a 1000 Lumen product to our LED Diamond Recessed Luminaires. cULus listed for use in existing 5" IC or Non-IC housings manufactured by Nora and others, it provides up to 1000 lumen output and 91 CRI. Available in Damp and Wet Location styles. Nora's 1000 Lumen LED Retrofit Diamond is ideal for higher ceiling applications, reducing the number of units required to achieve desired foot-candle levels, and an obvious choice for Green Energy Efficient lighting in commercial and residential applications.

### Electrical:

Voltage: 120VAC

Current: 130mA

Lumens: 987lm

Power Consumption: 14.3 Watts

Color Rendering Index: 91 CRI

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

Life Expectancy: 50,000 Hours

### Socket:

Edison Medium Base Socket (included with Retrofit)

Quick Connect (included with dedicated)

GU24 Socket (accessory available)

### Installation: Friction Blade

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

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

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

### Listing:

cULus Listed for Damp Location (NLEDC-58

and NLEDR-58 Series)

cULus Listed for Wet Location (NLEDC-59

and NLEDR-59 Series)

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

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

Title 24 Compliant (GU24 & Dedicated Version)

Energy Star Rated

RoHS Compliant

Lighting Facts approved

5 Year Limited Warranty

Conforms to IESNA LM-79 and LM-80



# DIAMOND SERIES LED RECESSED 5" 650 Lumen LED Retrofit and Dedicated

Nora Lighting's 650 Lumen LED Diamond Recessed Luminaires are cULus listed for use in existing 5" IC or Non-IC housings manufactured by Nora and others, and provide up to 650 lumen output and 86 CRI. Available in Damp and Wet Location styles. Nora's 650 Lumen LED Retrofit Diamond is ideal for reducing the number of units required to achieve desired foot-candle levels, and an obvious choice for Green Energy Efficient lighting in commercial and residential applications.

### Electrical:

Voltage: 120VAC  
Current: 100mA  
Lumens: 650lm  
Power Consumption: 11.8 Watts  
Color Rendering Index: 86 CRI  
Operating Temperature: 0°C~50°C (32°F~122°F)  
Life Expectancy: 50,000 Hours

### Socket:

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

### Installation:

Friction Blade

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

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

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

### Listing:

cULus Listed for Damp Location (NLEDC-56 and NLEDR-56 Series)  
cULus Listed for Wet Location (NLEDC-57 and NLEDR-57 Series)  
UL Classified for use with most manufacturers IC and Non-IC housings  
WSEC ASTM E283 for Air-Tight (with IC Housing)  
Title 24 Compliant (GU24 & Dedicated Version)  
Energy Star Rated  
RoHS Compliant  
Lighting Facts approved  
7 Year Limited Warranty  
Conforms to IESNA LM-79 and LM-80

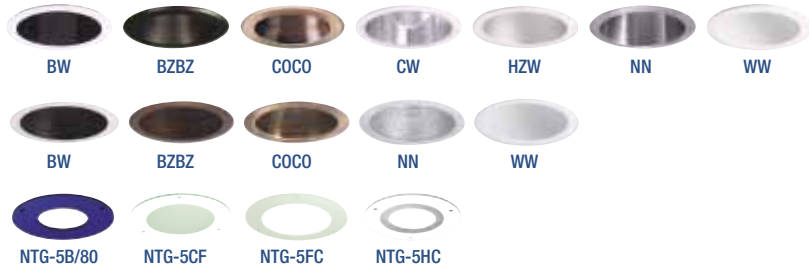


5" unit as shown  
NLEDR-56130BW  
NLEDR-57130BW

NRA-212  
GU24 Adapter

**7 YEAR  
LIMITED WARRANTY**

5" unit as shown  
NLEDC-56130WW  
NLEDC-57130WW



## 5" 650 LUMEN LED RETROFIT & DEDICATED DIAMOND UNIT

| CATALOG. NO.      | TRIM                                      | COLOR TEMP. | FINISH |
|-------------------|---|-------------|--------|
| NLEDC - Dedicated | 561 - Reflector                           | 27 - 2700K  | See    |
| NLEDR - Retrofit  | 571 - Reflector, Wet Label                | 30 - 3000K  | Below  |
|                   | 562 - Baffle                              | 40 - 4000K  |        |
|                   | 572 - Baffle, Wet Label                   |             |        |
|                   | 568 - Reflector for Decorative Glass      |             |        |
|                   | 578 - Reflector for Decorative Glass, Wet |             |        |

| 561 / 571 / 568 / 578 - Reflector and Flange Finishes |   | 562 / 572 - Baffle and Flange Finishes |  |
|---|---|--|--|
| BW  | Specular Black Reflector and White Flange     | BW                                     | Black Baffle and White Flange              |
| BZBZ  | Bronze Reflector and Bronze Flange            | BZBZ                                   | Bronze Baffle and Bronze Flange            |
| COCO  | Copper Reflector and Copper Flange            | COCO                                   | Copper Baffle and Copper Flange            |
| CW  | Specular Clear Reflector and White Flange     | NN                                     | Natural Metal Baffle and Nat. Metal Flange |
| HZW   | Haze Reflector and White Flange               | WW                                     | White Baffle and White Flange              |
| NN  | Natural Metal Reflector and Nat. Metal Flange |  |  |
| WW  | White Reflector and White Flange              |  |  |

### 568 / 578 - Decorative Glass Options (Glass Ordered 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 |

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

\*\* The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass.

# 5" LED Diamond Series Accessories



Socket Cup Adapter

**NRA-6160**

Adapter attaches to the top of a 5" Diamond Series 650 or 1000 Lumen unit to accept a floating socket.



5" Decorative Glass

**NTG-5B/80**

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



5" Decorative Glass

**NTG-5CF**

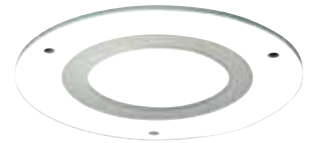
Tempered Clear Glass with Frosted Center



5" Decorative Glass

**NTG-5FC**

Tempered Frosted Glass with Clear Center



5" Decorative Glass

**NTG-5HC**

Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

277V step-down transformer available. Consult factory or specification sheet. Glass includes both Flat and Cone Cap Nuts.



# 4" LED Recessed Diamond Series



## 4" Retrofit Unit

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

Retrofit units are also available in 5", and 6" apertures suitable for damp and wet locations.



## 4" Dedicated Unit

Nora's Diamond Series Dedicated "NLEDC" units are cULus listed for use only in Nora NHIC-4LMRAT or NHRIC-4LMRAT housings. Dedicated units assure that the LED package will meet most energy rebate or saving requirements and assure the use of Nora's Diamond Series as specified.

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

Dedicated units are also available in 5", and 6" apertures suitable for damp and wet locations.

## Compatible 4" Nora Housings



### NEW CONSTRUCTION

|  |                    |                       |
|--|--------------------|-----------------------|
|  | <b>NSIC-401QAT</b> | 4" ICAT Line Voltage  |
|  | <b>NS-401QAT</b>   | 4" AT Line Voltage    |
|  | <b>NHIC-4G24AT</b> | 4" ICAT GU24          |
|  | <b>NHIC-4LMRAT</b> | 4" ICAT Dedicated LED |

### REMODEL

|  |                     |                       |
|--|---------------------|-----------------------|
|  | <b>NSR-404QAT</b>   | 4" AT Line Voltage    |
|  | <b>NHRIC-4G24AT</b> | 4" ICAT GU24          |
|  | <b>NHRIC-4LMRAT</b> | 4" ICAT Dedicated LED |

277V step-down transformer available & Emergency Pack Available with Test Switch  
Consult factory or specification sheet

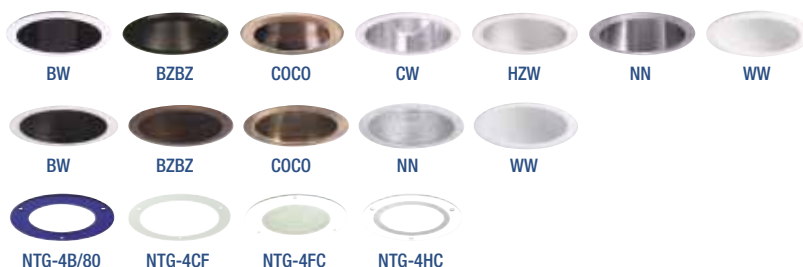


4" unit as shown  
NLEDR-46230NN

**5 YEAR**  
LIMITED WARRANTY

NRA-212  
GU24 Adapter

4" unit as shown  
NLEDC-46130CW



## 4" 610 LUMEN LED RETROFIT & DEDICATED DIAMOND UNIT

| CATALOG. NO.      | TRIM   | COLOR TEMP. | FINISH    |
|-------------------|--|-------------|-----------|
| NLEDC - Dedicated | 461 - Reflector                                | 27 - 2700K  | See Below |
| NLEDR - Retrofit  | 471 - Wet Label Reflector                      | 30 - 3000K  |           |
|                   | 462 - Baffle                                   | 40 - 4000K  |           |
|                   | 472 - Wet Label Baffle                         |             |           |
|                   | 468 - Reflector for Decorative Glass           |             |           |
|                   | 478 - Wet Label Reflector for Decorative Glass |             |           |

### 461 / 468 - Reflector and Flange Finishes

|             |   |
|-------------|---|
| <b>BW</b>   | Specular Black Reflector and White Flange     |
| <b>BZBZ</b> | Bronze Reflector and Bronze Flange            |
| <b>COCO</b> | Copper Reflector and Copper Flange            |
| <b>CW</b>   | Specular Clear Reflector and White Flange     |
| <b>HZW</b>  | Haze Reflector and White Flange               |
| <b>NN</b>   | Natural Metal Reflector and Nat. Metal Flange |
| <b>WW</b>   | White Reflector and White Flange              |

### 462 - Baffle and Flange Finishes

|             |  |
|-------------|--|
| <b>BW</b>   | Black Baffle and White Flange              |
| <b>BZBZ</b> | Bronze Baffle and Bronze Flange            |
| <b>COCO</b> | Copper Baffle and Copper Flange            |
| <b>NN</b>   | Natural Metal Baffle and Nat. Metal Flange |
| <b>WW</b>   | White Baffle and White Flange              |

### 468 - Decorative Glass Options (Glass Ordered Separately)

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

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

\*\* The decorative glass will reduce the amount of usable light by 10 to 30% depending on the selected glass.

## DIAMOND SERIES LED RECESSED 4" 610 Lumen LED Retrofit and Dedicated

Nora Lighting's 4" LED Diamond Retrofit Recessed Luminaires are cULus listed for use in existing 4" IC or Non-IC housings manufactured by Nora and others, it provides up to 610 lumen output and 94 CRI. Nora's 4" LED is designed with a deep cut-off and a 2" light source giving it the appearance of a designer accepted MR16. An obvious choice for Green Energy Efficient lighting in commercial and residential applications.

### Electrical:

Voltage: 120VAC  
Current: 100mA  
Lumens: 614lm  
Power Consumption: 11 Watts  
Color Rendering Index: 94 CRI  
Operating Temperature: 0°C~50°C (32°F~122°F)  
Life Expectancy: 50,000 Hours

### Socket:

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

### Installation:

Friction blades

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

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

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

### Listing:

cULus Listed for Damp Location (NLEDC-46 and NLEDR-46 Series)  
cULus Listed for Wet Location (NLEDC-47 and NLEDR-47 Series)  
UL Classified for use with most manufacturers IC and Non-IC housings  
WSEC ASTM E283 for Air-Tight (with IC Housing)  
Title 24 Compliant (GU24 & Dedicated Version)  
Energy Star Rated  
RoHS Compliant  
Lighting Facts approved  
5 Year Limited Warranty  
Conforms to IESNA LM-79 and LM-80



277V step-down transformer available. Consult factory or specification sheet. Glass includes both Flat and Cone Cap Nuts.

# LED Recessed Platinum Series

## 4", 5" AND 6" LED ENERGY EFFICIENT RECESSED LIGHTING

Nora's LED Platinum Series of recessed lighting, introduced in 2009, is a proven leader in technology and performance. Our versatile 4", 5" and 6" LED Recessed Luminaires are designed for use in both residential and commercial applications. Nora Lighting's cutting edge recessed housings are available in both new-construction and remodel versions. They are air-tight and rated for use in insulated ceilings. When compared to a 65W BR30, Nora Lighting's Recessed Luminaires offer a savings of over 75%. Our energy efficient recessed luminaires surpass the current Title 24 high efficacy requirements. By integrating Osram® high output 1.2W LEDs, Nora Lighting's internal high-reflectance luminance system is capable of producing up to 710 lumens making its output commensurable with the highest in the industry. Nora Lighting's innovative LED Recessed Luminaires are the future of illumination.

### FEATURES

- Dimmable with economical 2-wire dimming down to 3% (56W minimum load requirement). For optimum and minimal loads, use electronic low voltage dimmer
- Three aperture sizes! Our family of recessed products are available in 3-1/2", 4-1/2" and 5-1/2" apertures for all ceiling heights and applications
- UL Listed for Wet Location - standard on all LED Platinum Recessed products
- Exceeds high efficacy requirements of California Title 24 - up to 51 lumens per watt
- Available with 3000K or 4200K CCT, 86 CRI
- Light output is similar to a 65W BR30 with 75% energy savings over incandescent!
- No flicker or delay
- Three-year limited warranty on the complete luminaire backed by Nora Lighting
- Recessed fixtures are tested to ASTM-283 air-tight standards and for insulated ceilings
- Our scientifically designed lens diffuses the LED image while providing high lumen output; standard on all trims
- State of the art Osram® LEDs are rated at 50,000 hours at 70% lumen maintenance
- Mercury free which is good for the environment
- No ultraviolet or infrared wavelengths that cause fading of artwork and perishable merchandise
- Does not emit forward heat like traditional light sources
- Significantly reduces air-conditioning loads and lowers energy demands
- High efficiency driver with a power factor >.90 with input power of 120V, 60Hz
- Available with 120-277V universal driver - non-dimmable
- Available with Emergency Backup
- Lighting Facts approved
- Trim is standard with a self-flanged die-cast ring  
Flange available in White and Platinum Diffused  
Reflector available in White, Black and Platinum Diffused

# LED Recessed Platinum Series

**Quick Connectors**  
Easily connect the LED trim to the LED housing

**Driver**  
Mounted on the junction box for cool running and long life

**Dimmable Driver**  
2-wire dimming down to 3% with standard Incandescent dimmer. For optimum dimming and minimal loads use electronic low voltage dimmer.

**New Construction and Remodel Housings**  
All housings are IC-Rated and Air-Tight

**Cast Aluminum Thermal Management Module**

**UL Listed**  
for Wet Location 

**Apertures**  
3.5", 4.5", 5.5"  
Small size with high Lumen output

**Self-Flanged, Die-Cast Trim**

**Quality Osram® LEDs**  
3000K and 4200K, 86 CRI  
14W 5" & 6" and 11W 4"

**Triple Laminated Lens**  
Deep set for low aperture brightness and to minimize LED image



6" Only

# Platinum Series

## 6", 5" and 4" LED Housings and Trims

Nora Lighting's LED Recessed Luminaires are rated for wet location, making these housings ideal for outdoor and wet environments. Compared to a 65W BR30, Nora's LED recessed luminaires offer a savings of over 75%. Air-tight construction provides energy savings by reducing the flow of air through the ceiling, and with its LED trim module available in warm (3000K) or cool white (4200K).

Nora Lighting's internal high-reflectance luminance system is capable of producing up to 710 lumens making its output commensurate with the highest in the industry. The triple laminated lens diffuses the LED image while producing high lumen output and excellent visual cut-off.

With outboard mounted drivers, our recessed housings offer cooler operation and longer life. Each LED Driver comes pre-installed to the housing's junction box, allowing the LED trim to be selected and installed at finish.

**LED Driver:** 120V AC, 60HZ, Power factor > 0.9 at 120V. Mounted on the junction box cooler operation and easy access.

**Dimmable:** Dimmable with economical 2-wire dimming down to 3% (56W minimum load requirement). For optimum and minimal loads, use low voltage dimmer.

**Emergency Option:** New Construction only. Emergency back-up operates LED source for a minimum of 90 minutes. Unit includes battery, charger, and remote test plate with indicator light/test switch.

**Ceiling Thickness:** Accepts 1-5/8" maximum ceiling thickness.

### Installation:

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

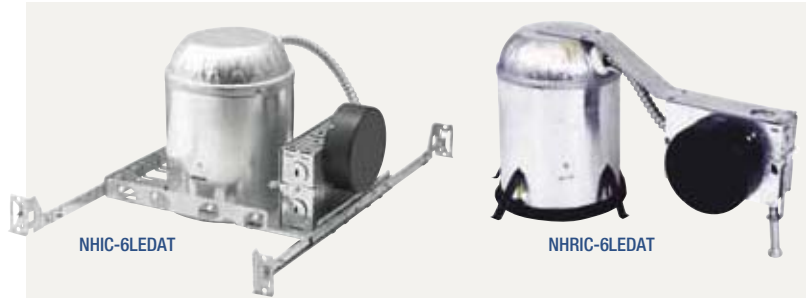
**Remodel** - High tension tempered steel springs secure remodel housings evenly to the ceiling; hole cutout template provided for convenience.

**Minimum Clearance:** "IC" Housings are direct contact rated; no minimum clearance is required.

**Junction Box:** Pre-wired 25 cu. in. with seven 1/2" knockouts, four Romex® pry-outs and snap on covers. Ground wire connected on bottom of box.

### Listing:

UL Damp Location with Feed Through  
 UL Wet Location Listed  
 WSEC ASTM E283 for Air-Tight  
 California Energy Commission  
 Energy Star Rated 6" housings  
 Lighting Facts approved  
 Title 24 Compliant  
 3-Year Limited Warranty



### 6" LED PLATINUM HOUSINGS

| CATALOG. NO.        | TYPE    | DRIVER  | VOLTS | WATTS | AIRTIGHT | DIMMABLE   | EMERGENCY |
|---------------------|---------|---------|-------|-------|----------|------------|-----------|
| <b>NHIC-6LEDAT</b>  | New Con | Class 2 | 120V* | 14W   | Yes      | Down to 3% | EM        |
| <b>NHRIC-6LEDAT</b> | Remodel | Class 2 | 120V* | 14W   | Yes      | Down to 3% | --        |



### 5" LED PLATINUM HOUSINGS

| CATALOG. NO.        | TYPE    | DRIVER  | VOLTS | WATTS | AIRTIGHT | DIMMABLE   | EMERGENCY |
|---------------------|---------|---------|-------|-------|----------|------------|-----------|
| <b>NHIC-5LEDAT</b>  | New Con | Class 2 | 120V* | 14W   | Yes      | Down to 3% | EM        |
| <b>NHRIC-5LEDAT</b> | Remodel | Class 2 | 120V* | 14W   | Yes      | Down to 3% | --        |



### 4" LED PLATINUM HOUSINGS

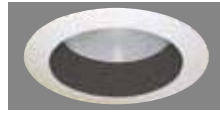
| CATALOG. NO.        | TYPE    | DRIVER  | VOLTS | WATTS | AIRTIGHT | DIMMABLE   | EMERGENCY |
|---------------------|---------|---------|-------|-------|----------|------------|-----------|
| <b>NHIC-4LEDAT</b>  | New Con | Class 2 | 120V* | 11W   | Yes      | Down to 3% | EM        |
| <b>NHRIC-4LEDAT</b> | Remodel | Class 2 | 120V  | 11W   | Yes      | Down to 3% | --        |

\* To specify 120-277 Non-Dimmable driver add "2" to end of model number.  
 Not available on 4" Remodel NHRIC-4LEDAT.





Platinum Diffused Reflector  
Platinum Diffused Flange



Black Reflector  
White Flange



Platinum Diffused Reflector  
White Flange



White Reflector  
White Flange

## 6" LED PLATINUM TRIMS - 5-1/2" APERTURE

### Warm White 3000K Reflector



**Wattage:** 14W  
**Color Temp:** 3000K  
**CRI:** 86  
**OD:** 7-3/8"



| Catalog No.                  | Description   |
|------------------------------|---|
| <a href="#">NTR-6LED30BW</a> | Black Reflector / White Flange                            |
| <a href="#">NTR-6LED30PP</a> | Platinum Diffused Reflector /<br>Platinum Diffused Flange |
| <a href="#">NTR-6LED30PW</a> | Platinum Diff Refl / White Flange                         |
| <a href="#">NTR-6LED30WW</a> | White Reflector / White Flange                            |

- UL Wet Listed
- Energy Star Rated
- Triple Laminated Lens
- Dimmable down to 3%
- Quick connect supplied
- Up to 630 lumens
- Rated at 50,000 hours at 70% lumens

### Cool White 4200K Reflector



**Wattage:** 14W  
**Color Temp:** 4200K  
**CRI:** 86  
**OD:** 7-3/8"



| Catalog No.                  | Description   |
|------------------------------|---|
| <a href="#">NTR-6LED42BW</a> | Black Reflector / White Flange                            |
| <a href="#">NTR-6LED42PP</a> | Platinum Diffused Reflector /<br>Platinum Diffused Flange |
| <a href="#">NTR-6LED42PW</a> | Platinum Diff Refl / White Flange                         |
| <a href="#">NTR-6LED42WW</a> | White Reflector / White Flange                            |

- UL Wet Listed
- Energy Star Rated
- Triple Laminated Lens
- Dimmable down to 3%
- Quick connect supplied
- Up to 710 lumens
- Rated at 50,000 hours at 70% lumens

## 5" LED PLATINUM TRIMS - 4-1/2" APERTURE

### Warm White 3000K Reflector



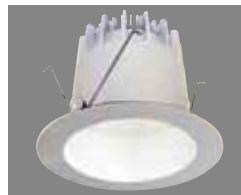
**Wattage:** 14W  
**Color Temp:** 3000K  
**CRI:** 86  
**OD:** 6-1/2"



| Catalog No.                  | Description   |
|------------------------------|---|
| <a href="#">NTR-5LED30BW</a> | Black Reflector / White Flange                            |
| <a href="#">NTR-5LED30PP</a> | Platinum Diffused Reflector /<br>Platinum Diffused Flange |
| <a href="#">NTR-5LED30PW</a> | Platinum Diff Refl / White Flange                         |
| <a href="#">NTR-5LED30WW</a> | White Reflector / White Flange                            |

- UL Wet Listed
- Triple Laminated Lens
- Dimmable down to 3%
- Quick connect supplied
- Up to 622 lumens
- Rated at 50,000 hours at 70% lumens

### Cool White 4200K Reflector



**Wattage:** 14W  
**Color Temp:** 3000K  
**CRI:** 86  
**OD:** 6-1/2"



| Catalog No.                  | Description   |
|------------------------------|---|
| <a href="#">NTR-5LED42BW</a> | Black Reflector / White Flange                            |
| <a href="#">NTR-5LED42PP</a> | Platinum Diffused Reflector /<br>Platinum Diffused Flange |
| <a href="#">NTR-5LED42PW</a> | Platinum Diff Refl / White Flange                         |
| <a href="#">NTR-5LED42WW</a> | White Reflector / White Flange                            |

- UL Wet Listed
- Triple Laminated Lens
- Dimmable down to 3%
- Quick connect supplied
- Up to 705 lumens
- Rated at 50,000 hours at 70% lumens

## 4" LED PLATINUM TRIMS - 3-1/2" APERTURE

### Warm White 3000K Reflector



**Wattage:** 11W  
**Color Temp:** 3000K  
**CRI:** 86  
**OD:** 4-7/8"



| Catalog No.                  | Description   |
|------------------------------|---|
| <a href="#">NTR-4LED30BW</a> | Black Reflector / White Flange                            |
| <a href="#">NTR-4LED30PP</a> | Platinum Diffused Reflector /<br>Platinum Diffused Flange |
| <a href="#">NTR-4LED30PW</a> | Platinum Diff Refl / White Flange                         |
| <a href="#">NTR-4LED30WW</a> | White Reflector / White Flange                            |

- UL Wet Listed
- Triple Laminated Lens
- Dimmable down to 3%
- Quick connect supplied
- Up to 485 lumens
- Rated at 50,000 hours at 70% lumens

### Cool White 4200K Reflector



**Wattage:** 11W  
**Color Temp:** 4200K  
**CRI:** 86  
**OD:** 4-7/8"



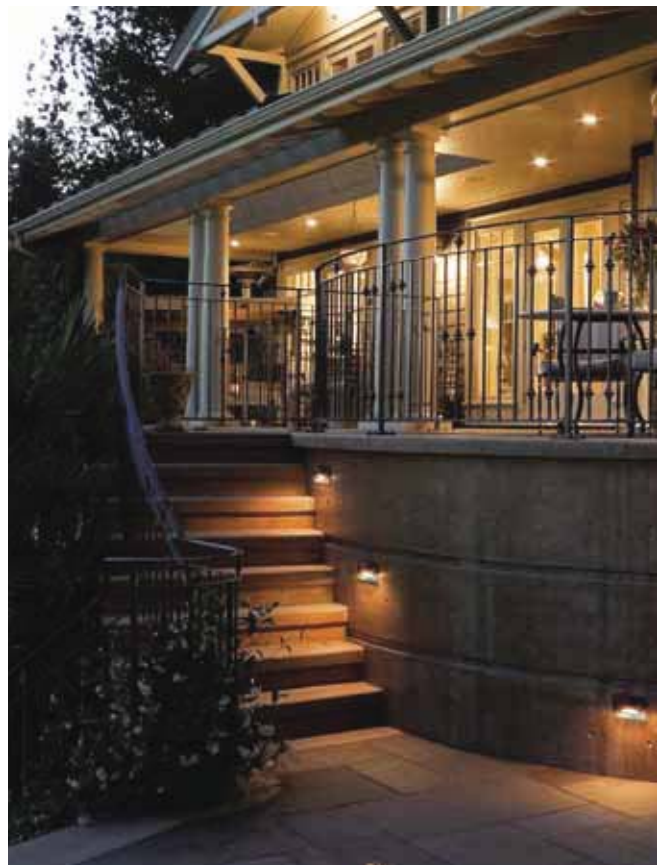
| Catalog No.                  | Description   |
|------------------------------|---|
| <a href="#">NTR-4LED42BW</a> | Black Reflector / White Flange                            |
| <a href="#">NTR-4LED42PP</a> | Platinum Diffused Reflector /<br>Platinum Diffused Flange |
| <a href="#">NTR-4LED42PW</a> | Platinum Diff Refl / White Flange                         |
| <a href="#">NTR-4LED42WW</a> | White Reflector / White Flange                            |

- UL Wet Listed
- Triple Laminated Lens
- Dimmable down to 3%
- Quick connect supplied
- Up to 560 lumens
- Rated at 50,000 hours at 70% lumens

The Nora Lighting family of

# 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 steps lights offer solutions for pathway and stair safety lighting in patio, deck, hospital, hotel, school, airport, and residential applications.



LED STEP LIGHTS

**WET** Mia Die-Cast LED Mini Step Lights

**NEW!**



Nora's New Mia LED Step Lights with Die-Cast face plates use the latest in technology in solid state lighting. The step lights include an integrated driver and twelve LEDs offer a total load of 3W. Mia Step Lights are available with louvered, lensed, or shroud face plates and can be easily installed in a standard single gang switch box.

**Electrical:**  
 Voltage: 120VAC  
 Correlated Color Temperature: 3000K  
 Power Consumption: 3 Watts  
 Beam Angle: 110°  
 Life Expectancy: 50,000 Hours  
 Driver: 120V AC Integrated Non-Dimmable

**LED Source:** Twelve LEDs offer a total load of 3W. Optional Red & Amber LEDs available. Consult factory.

**Installation:** Mounts in standard single gang box (by others). Includes Stainless Steel screws and steel matching finish screws for mounting. IP65 rated when used with watertight junction box and gasket.

**Construction:** Die cast aluminum face plates mounts to a heavy duty sealed polycarbonate LED Module.

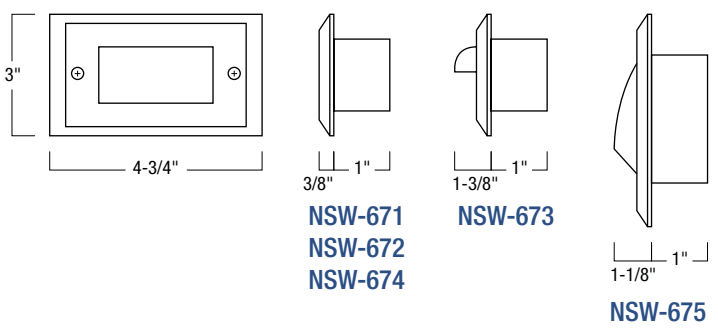
**Rated Life:** 50,000 Hours at 70% lumen maintenance

**Face Plates:** Available in horizontal or vertical shroud or louver. Lensed face plate can be mounted vertically or horizontally.

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

**Finishes:** Brushed Nickel, Bronze, and White

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



**MIA DIE-CAST LED MINI STEP LIGHTS**

| CATALOG. NO.                          | FINISHES                   |
|---------------------------------------|----------------------------|
| <b>NSW-671/30</b> - Horizontal Louver | <b>BN</b> - Brushed Nickel |
| <b>NSW-672/30</b> - 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   |                            |

Can be special ordered in 277V or with Blue or Amber LEDs



## LED STEP LIGHTS

# Mini LED Step Lights with Optional Photocell

Nora's Mini LED Step Lights use the latest technology in solid state lighting. The energy saving photocell option allows the step light to turn on in the dark and off in the morning or at presence of light. Mini Step Lights are available with louvered or lensed face and can be easily installed in a standard single gang switch box. Louvered unit includes both a horizontal and vertical louver.

### Electrical:

Voltage: 120VAC, 50/60Hz

Power Consumption:

Standard: 1.44 Watts

With Photocell: 1.08 Watts

Life Expectancy: 30,000 Hours

Driver: 120V AC Integrated

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

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

**Rated Life:** 30,000 Hours at 70% lumen maintenance

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

**Lensed Face Plate:** Lensed plates include a tempered glass face and can be mounted horizontally or vertically.

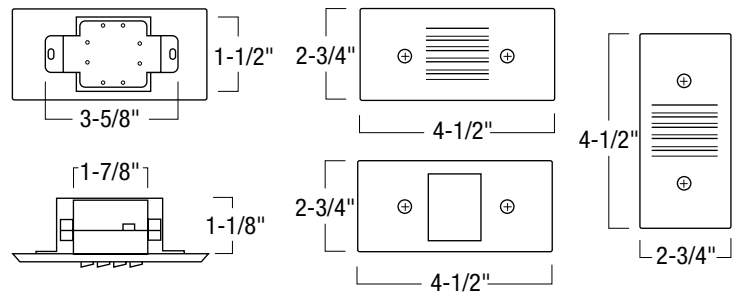
**Louvered Face Plate:** Louvered units include both a horizontal and vertical louver to be mounted horizontally or vertically.

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

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

### Listing:

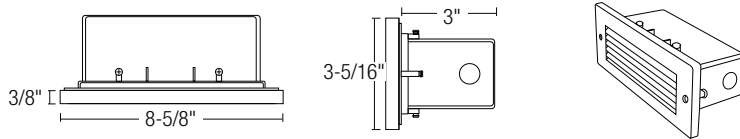
cULus Listed for Damp Location



## LED MINI STEP LIGHTS

| CATALOG. NO.   | FINISHES                    |
|--|-----------------------------|
| <b>NSI-661</b> - Louver Face Plate (Horizontal and Vertical) | <b>/BN</b> - Brushed Nickel |
| <b>NSI-661PC</b> - Louver Face Plate with Photocell          | <b>/P</b> - Primer          |
| <b>NSI-662</b> - Lensed Face Plate                           | <b>/W</b> - White           |
| <b>NSI-662PC</b> - Lensed Face Plate with Photocell          |                             |





## LED BRICK LIGHTS

| CATALOG. NO.                                   | FINISHES                    |
|--|-----------------------------|
| <b>NSW-851/32 (finish)</b> - Louver Face Plate | <b>/BN</b> - Brushed Nickel |
| <b>NSW-852/32 (finish)</b> - Lensed Face Plate | <b>/BZ</b> - Bronze         |
| <b>NSW-853/32 (finish)</b> - Shroud Face Plate | <b>/W</b> - White           |

**NSW-800** - Wet Label housing

**NRA-6301** - 24-1/2" Adjustable hanger bar kit (set of 2 includes housing bracket)

*Each face plate requires NSW-800 housing, ordered separately.*

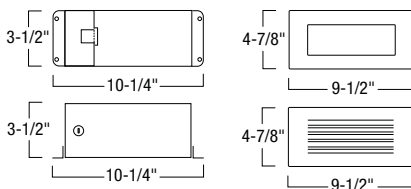
## LED STEP LIGHTS LED Brick Lights

Nora's new LED Brick Light can be used indoors or outdoors to efficiently illuminate a change in elevation, provide a path of light, light a staircase or act as a safety night light.

The architectural louvered and shroud die-cast aluminum face plate creates a beautiful non-glare source of LED light to guide the way.

### Features:

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



## NSI-600 SERIES

| CATALOG. NO.   | FINISHES |
|--|----------|
| <b>NSI-601</b> - Louver Face Plate, White                    |          |
| <b>NSI-602</b> - Frosted Lens Face Plate, White (Wet Listed) |          |

*Includes housing*

Bright, energy efficient LED light sources provide a 30,000 hour life and are maintenance free. For outdoor applications, Nora has added both a louver lensed face and tempered glass face with gaskets that are UL Wet Location listed. The light source is shielded for excellent glare control.

### Electrical:

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

**LED Source:** Eighteen LEDs offer a total load of 2W

**Rated Life:** 30,000 Hours at 70% lumen maintenance

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

## LED STEP LIGHTS LED Step Lights

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

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

**Surface Thickness:** Step Lights accept 5/8" standard drywall thickness.

**Junction Box:** Prewired junction box contains three 1/2" knockouts for an easy power feed.

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

### Listing:

cULus Listed for Damp Location  
cULus Wet Location (NSI-602 only)





# The Nora Lighting family of LED Specialty Lighting



Nora's family of Specialty Lighting products is a group of fixtures used for linear, accent or discrete general lighting limited in application only by the lighting designer's imagination. These fixtures are miniature in design and meet various energy requirements while not sacrificing desired lighting effects. Nora's specialty lighting can be specified in a variety of applications including, under cabinet, niche, display, cabinet, shelf, closet, furniture, cove, under bar top, toe-kick or other applications where drama and accent lighting are used to define a space. Linear applications are solved with LED Lightbar, LED Lightbar **Plus**, LED LEDUC Undercabinet, LED Bravo Linear, LED Bravo **Plus** Linear, LED Tape Light, and LED Puck Lights. Nora's LED Specialty Lighting is an excellent choice for today's Green Energy Efficient Environment.

## NORA'S LED SPECIALTY LIGHTING

### LED - LIGHT EMITTING DIODE

**LED Lightbar **Plus** and Lightbar**  
24V High-output extruded aluminum low profile linear LED

**LED LEDUC**  
120V LED Undercabinet

**LED Bravo **Plus** and Bravo**  
120V Linear

**LED Standard Tape Light**  
Flexible, wet label and damp label tape available in 12V or 24V and six light output colors. 70 to 100 Lumens per foot.

**LED Hy-Brite Tape Light**  
24V Flexible Damp label tape. 200+ Lumens @ foot

**LED High Output Tape Light**  
24V Flexible, damp label tape producing over 350 lumens per foot

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

**LED Puck Light**  
High performance,  
low energy, low profile,  
discrete light source



### INSTALLATION ACCESSORIES:

**Mounting Channels**

**Various Interconnection Lengths**  
Available from 2" to 72", custom lengths can also be created by connecting two or more together.

**Splitting Cables or Accessories**  
Available in "Y" or "X" Splitting Cables or accessories that allow multiple outputs.

**Mini Couplers**

**Various Mounting Brackets**

**Switched Power Connectors**  
Allowing the end user to easily switch a run on or off.

**30' Power Connector**  
Allows dimmable power supplies to be mounted up to 30' from run

### DRIVERS

**Electronic Class II Drivers**  
Available from 30W to 100W, and in 12V or 24V.

**Plug-In and Hardwire**

**Dimmable Class II Power Supplies**  
New Dimmable Hardwire Drivers up to 300W.

## LED SPECIALTY

# 24V LED Lightbar and LED Lightbar Plus

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

### Features:

- **Lightbar Plus:**
  - Over 425 Lumens/foot using an average of 8W/foot
  - Up to 86 CRI using Nichia® LEDs
  - Up to 10' runs with 100W driver, 7' with 60W driver and 3' with 30W driver
- **Lightbar:**
  - Up to 245 Lumens per watt at 4.0W per foot
  - Up to 24' runs with 100W electronic driver or 20' runs with 96W magnetic driver
- 24V DC system
- Available in 3000K Warm White and 4200K Cool White
- Easy installation with adjustable aiming mounting brackets
- Flush end connectors
- Dimmable with Dimmable Power Supply
- Lightbars and Class II Drivers rated for -20°C operation
- 30,000 hours of rated lamp life

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

**Finish:** Bronze (anodized) or Natural Aluminum.

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

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

### Electrical:

**Power:** 24V DC Input / 4.0 Watts per Foot (Lightbar)  
24V DC Input / average 8 Watts per Foot (Lightbar Plus)  
**Light Source:** 12 LEDs Per Foot  
**Operating Temperature:** -20°C  
**Life Expectancy:** 30,000 Hours of rated lamp life  
**Max Run Length:** 24' (Lightbar) or 10' (Lightbar Plus)

### Included with every Lightbar:

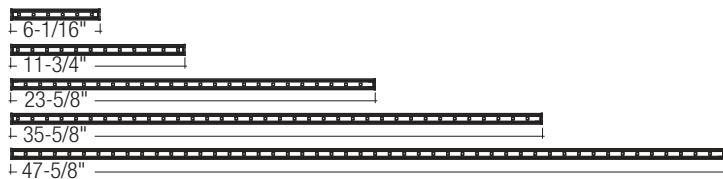
- (2\*) Flat Mounting Clips [NAL-201]
- (2\*) Angled Mounting Clips [NAL-245]
- (1) End to End Connector [NAL-200]
- \* 36" and 48" Lightbars include 3 mounting clips

### Listings:

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



3 YEAR  
limited warranty



## LED LIGHTBAR PLUS (425 Lumens / 8 Watts per foot)

| CATALOG. NO. | LENGTH | SOURCE | WATTS | LUMENS | COLOR TEMP.  | FINISH           |
|--------------|--------|--------|-------|--------|--------------|------------------|
| NULB-506LED  | 6"     | LED    | 4     | 210+   | 3000K, 4200K | Aluminum, Bronze |
| NULB-512LED  | 12"    | LED    | 8     | 425+   | 3000K, 4200K | Aluminum, Bronze |
| NULB-524LED  | 24"    | LED    | 16    | 850+   | 3000K, 4200K | Aluminum, Bronze |
| NULB-536LED  | 36"    | LED    | 24    | 1250+  | 3000K, 4200K | Aluminum, Bronze |
| NULB-548LED  | 48"    | LED    | 32    | 1700+  | 3000K, 4200K | Aluminum, Bronze |

## LED LIGHTBAR (245 Lumens / 4 Watts per foot)

| CATALOG. NO. | LENGTH | SOURCE | WATTS | LUMENS | COLOR TEMP.  | FINISH           |
|--------------|--------|--------|-------|--------|--------------|------------------|
| NULB-6LED    | 6"     | LED    | 2     | 120+   | 3000K, 4200K | Aluminum, Bronze |
| NULB-12LED   | 12"    | LED    | 4     | 240+   | 3000K, 4200K | Aluminum, Bronze |
| NULB-24LED   | 24"    | LED    | 8     | 440+   | 3000K, 4200K | Aluminum, Bronze |
| NULB-36LED   | 36"    | LED    | 12    | 700+   | 3000K, 4200K | Aluminum, Bronze |
| NULB-48LED   | 48"    | LED    | 16    | 900+   | 3000K, 4200K | Aluminum, Bronze |

Color Temps: **30** - 3000K, **42** - 4200K Finishes: **A** - Aluminum, **BZ** - Bronze

Example: NULB-524LED30BZ - 24" LED Lightbar Plus, 3000K, Bronze finish







## LED SPECIALTY

# LED Lightbar and Lightbar Plus Accessories

## Diffuser Lens

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

| CATALOG. NO.               | LENGTH | DESCRIPTION   |
|----------------------------|--------|---------------|
| <a href="#">NAL-299/6</a>  | 6"     | Diffuser Lens |
| <a href="#">NAL-299/12</a> | 12"    | Diffuser Lens |
| <a href="#">NAL-299/24</a> | 24"    | Diffuser Lens |
| <a href="#">NAL-299/36</a> | 36"    | Diffuser Lens |
| <a href="#">NAL-299/48</a> | 48"    | Diffuser Lens |



## In-Line Motion Sensor

The LED Lightbar motion sensor automatically turns on lightbar(s) and remains on until motion is not detected. Light can be set to remain on for 10 seconds up to 12 minutes. Mounts on low voltage side of supply and can be attached to Lightbar or mounted remotely. Motion sensor accessory includes end to end connector, bar to bar joiner, flat mounting clip, adjustable mounting clip, and special power line interconnector\* with in-line switch. Allows for direct wire control in pantries, closets, toe-ticks, work cabinets, armoires, self-service stations, etc.

| CATALOG. NO.            | VOLTAGE | FINISH                    |
|-------------------------|---------|---------------------------|
| <a href="#">NAL-230</a> | 24V DC  | (A) Aluminum, (BZ) Bronze |



## In-Line Dimmer Control

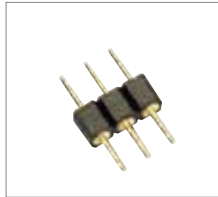
The dimmer control mounts on the low voltage side of supply and can be attached to the Lightbar or mounted remotely. Tap to turn on/off and hold to dim. In-line dimmer control accessory includes end to end connector, bar to bar joiner, flat mounting clip, and special power line interconnector\*. Excellent for direct wire applications such as under-cabinets, work stations, cabinets, furniture, etc.

| CATALOG. NO.            | VOLTAGE | FINISH                    |
|-------------------------|---------|---------------------------|
| <a href="#">NAL-255</a> | 24V DC  | (A) Aluminum, (BZ) Bronze |



\* Important - When using the In-Line Dimmer or In-Line Motion Sensor the Lightbar run MUST BE powered with the included power line connector.

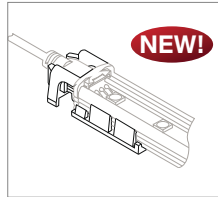
## LED Lightbar &amp; Lightbar Plus Accessories and Drivers



## End to End Connector

**NAL-200**

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

Connector Retainer Clip  
**NAL-270**

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



## Mounting Clips

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

**NAL-245 (BZ, C) Angled**  
**Aiming Degree:** 45°, 53°, 65°  
Two clips included with every Lightbar (three with 36" and 48" units).



## Bar to Bar Joiner

**NAL-225 (BZ, C)**

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



## Adjustable Mounting Clip

**NAL-280 (BZ, C)**

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



## Interconnection Cables

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

Easy linking of two Lightbars in any direction.



## Power Line Interconnector

**NAL-208** 20" Cable**NAL-208/72** 72" Cable**NAL-212** 12" w/ Switch

To connect Lightbar run directly to LED Driver



## 90° Power Line Interconnector

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

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



## Mini Power Feed Splitter

**NAL-221**

**Finish:** Black  
Allows one driver to be split into 4 separate, simultaneous runs. Requires one interconnection cable for each Lightbar.  
1-1/2" W x 0.8" L x 0.2" H



## Mini Coupler

**NAL-220**

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



## Dimmable Class II Remote Hardwire Magnetic Driver

**NMT-60/24C2HP\*** 60W**NMT-96/24C2HP\*** 96W

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



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

**NMT-48/24C2D1\*** 48W**NMT-96/24C2D1\*** 96W**NMT-303/24C2D1\*** 3 x 100W

**Voltage:** 24V DC

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



## Hardwired Class II El. Driver

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

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

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



## Class II Electronic LED Driver

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

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



## Plug-In Electronic Driver

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

**Voltage:** 24V DC  
**Cable Length:** 6 Feet

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

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



## Low Voltage Splice Box

**NATL-415W**

**Finish:** White  
Use to join Romex® low voltage lead to low voltage power line connector or interconnector.



## Power Line Connector

**NALTL-10** 10' Cable**NALTL-30** 30' Cable

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



## Flexible Power Cord

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

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



## Junction Box for Hard Wiring

**NUSP-JBox**

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

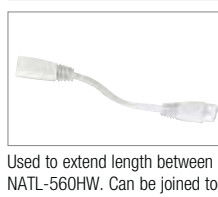


## Dimmer

**NAL-250**

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

**Modes:** Dimming, Auto-Fading, and Flashing



## Flexible Extension Cord

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

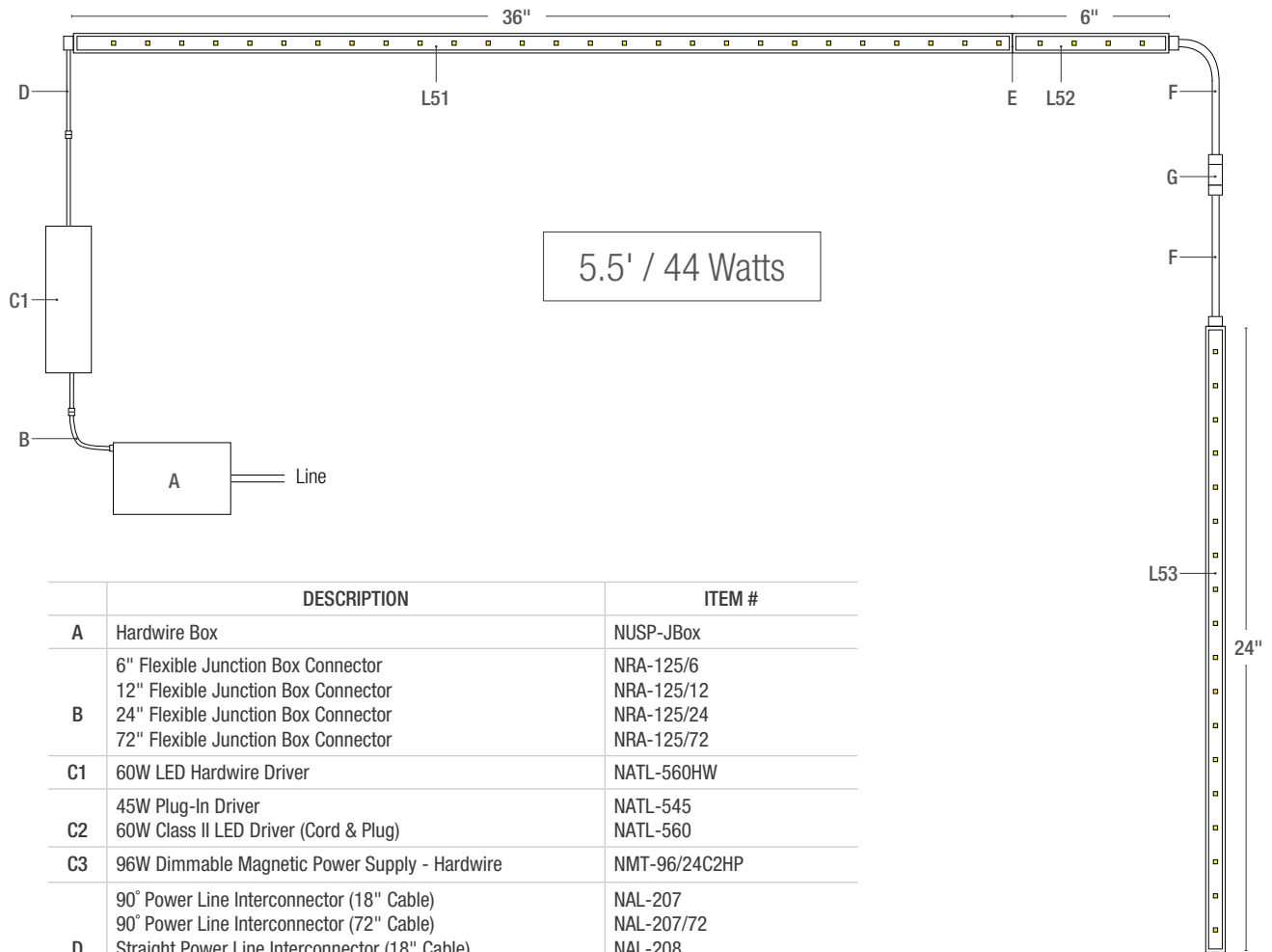
Used to extend length between NUSP-JBox and NATL-530HW & NATL-560HW. Can be joined together to create custom lengths.

\* NOTE: Requires power line interconnection cable to connect to Lightbar run except when used with NAL-250

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

LED SPECIALTY

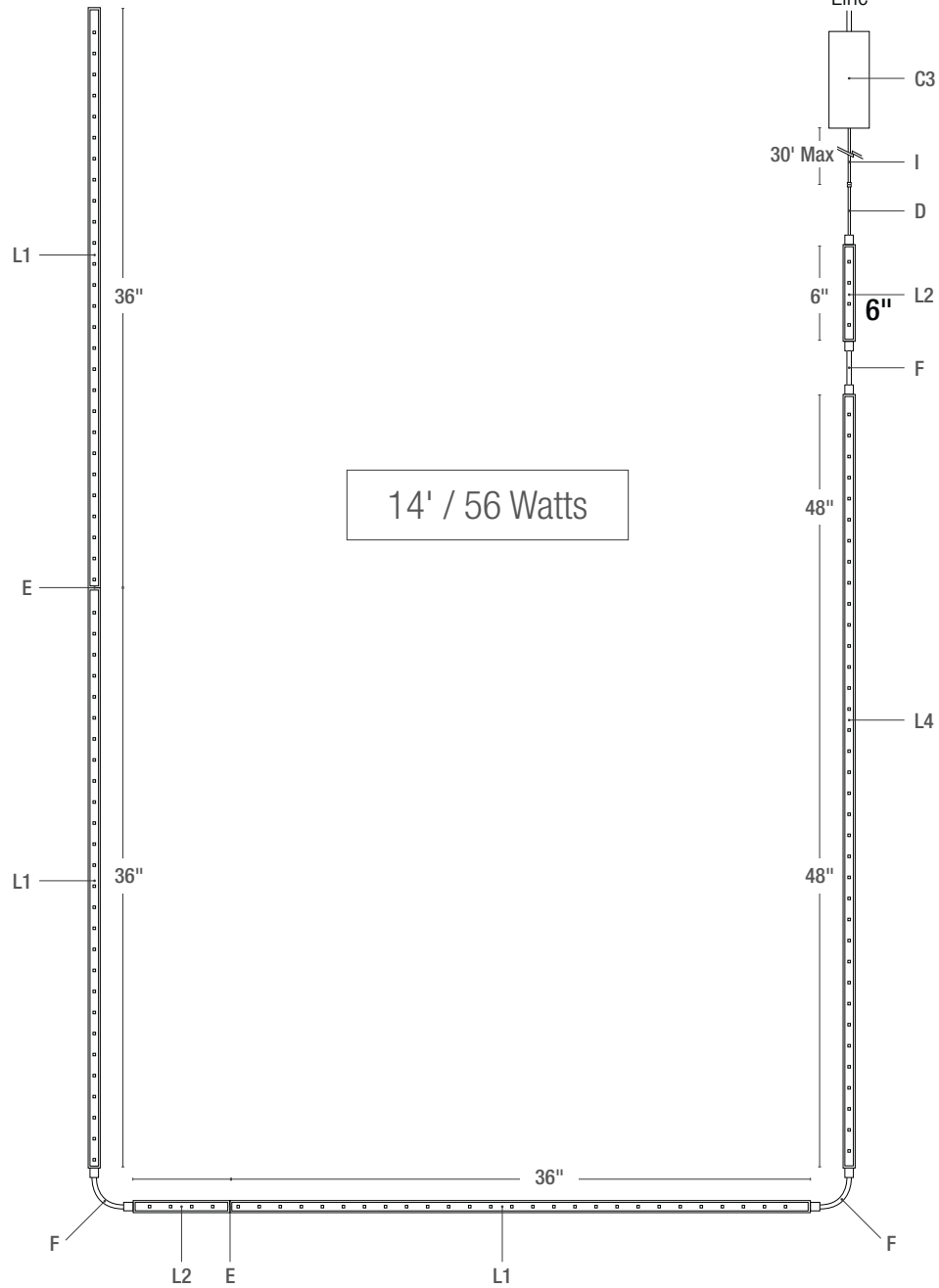
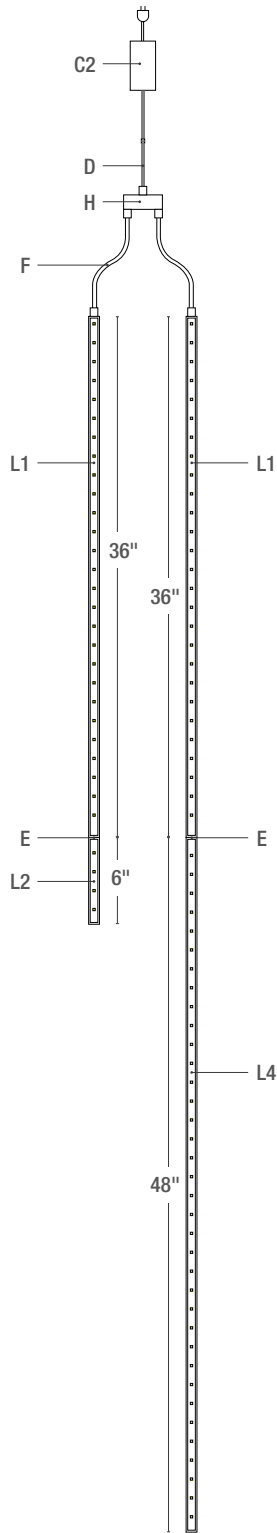
# 24V LED Lightbar Plus Sample Layouts



|     | DESCRIPTION  | ITEM #                     |
|-----|--|----------------------------|
| A   | Hardwire Box   | NUSP-JBox                  |
| B   | 6" Flexible Junction Box Connector                         | NRA-125/6                  |
|     | 12" Flexible Junction Box Connector                        | NRA-125/12                 |
|     | 24" Flexible Junction Box Connector                        | NRA-125/24                 |
|     | 72" Flexible Junction Box Connector                        | NRA-125/72                 |
| C1  | 60W LED Hardwire Driver                                    | NATL-560HW                 |
| C2  | 45W Plug-In Driver   | NATL-545                   |
|     | 60W Class II LED Driver (Cord & Plug)                      | NATL-560                   |
| C3  | 96W Dimmable Magnetic Power Supply - Hardwire              | NMT-96/24C2HP              |
| D   | 90° Power Line Interconnector (18" Cable)                  | NAL-207                    |
|     | 90° Power Line Interconnector (72" Cable)                  | NAL-207/72                 |
|     | Straight Power Line Interconnector (18" Cable)             | NAL-208                    |
|     | Straight Power Line Interconnector (72" Cable)             | NAL-208/72                 |
| E   | Straight Power Line Interconnector with Switch (11" Cable) | NAL-212                    |
|     | End-to-End Connector (included with each Lightbar)         | NAL-200                    |
| F   | 2" Interconnection Cable                                   | NAL-202                    |
|     | 6" Interconnection Cable                                   | NAL-206                    |
|     | 18" Interconnection Cable                                  | NAL-218                    |
|     | 38" Interconnection Cable                                  | NAL-238                    |
| G   | 58" Interconnection Cable                                  | NAL-258                    |
|     | Mini Coupler   | NAL-220                    |
| H   | Mini Power Feed Splitter (1 in & 4 out)                    | NAL-221                    |
| I   | 10' Power Line Connector (included with NMT-60/24C2)       | NALTL-10                   |
|     | 30' Power Line Connector                                   | NALTL-30                   |
| L1  | 36" LED Lightbar   | NULB-36LED(Kelvin)(Finish) |
| L2  | 6" LED Lightbar  | NULB-6LED(Kelvin)(Finish)  |
| L3  | 24" LED Lightbar   | NULB-24LED(Kelvin)(Finish) |
| L4  | 48" LED Lightbar   | NULB-48LED(Kelvin)(Finish) |
| L51 | 36" LED Lightbar Plus                                      | NULB-536                   |
| L52 | 6" LED Lightbar Plus                                       | NULB-506                   |
| L53 | 24" LED Lightbar Plus                                      | NULB-524                   |

10.5' / 42 Watts

# 24V LED Lightbar Sample Layouts



14' / 56 Watts

## LED SPECIALTY

# LEDUC LED 120V Under Cabinet Light

Nora is proud to introduce the LEDUC Series of 120V Dimmable Under Cabinet LED lighting. The LEDUC allows for easy retrofitting of existing Fluorescent, Incandescent, Halogen, or Xenon undercabinet lights. LEDUC's built in LED driver and large knockout plate in the back makes LEDUC easy to install in retrofit or new construction applications. A heavily frosted lens diffuses the LED image and softens the light output. Available in five sizes, two finishes, and warm 3000K or cool 4000K the New LEDUC LED Undercabinet is a designers choice for quality, energy efficient LED lighting.

### Features:

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



120V Dimmable  
Integral Driver

## LEDUC LED UNDER CABINET LIGHT

| CATALOG. NO.                   | LENGTH | WATTAGE | COLOR TEMP.  | FINISH        |
|--------------------------------|--------|---------|--------------|---------------|
| <b>NUD-7708/(temp)(finish)</b> | 8"     | 2.8W    | 3000K, 4000K | Bronze, White |
| <b>NUD-7712/(temp)(finish)</b> | 12"    | 4W      | 3000K, 4000K | Bronze, White |
| <b>NUD-7718/(temp)(finish)</b> | 18"    | 6W      | 3000K, 4000K | Bronze, White |
| <b>NUD-7724/(temp)(finish)</b> | 24"    | 8W      | 3000K, 4000K | Bronze, White |
| <b>NUD-7732/(temp)(finish)</b> | 32"    | 10W     | 3000K, 4000K | Bronze, White |

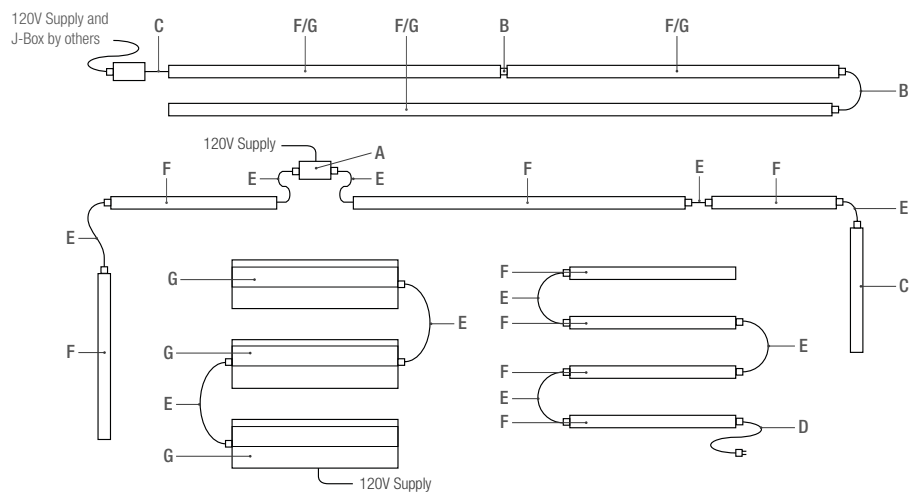
Color Temps: **30** - 3000K, **40** - 4000K      Finishes: **BZ** - Bronze, **W** - White

Example: NUD-7712/30W - 12" Warm 30K White finish Undercabinet

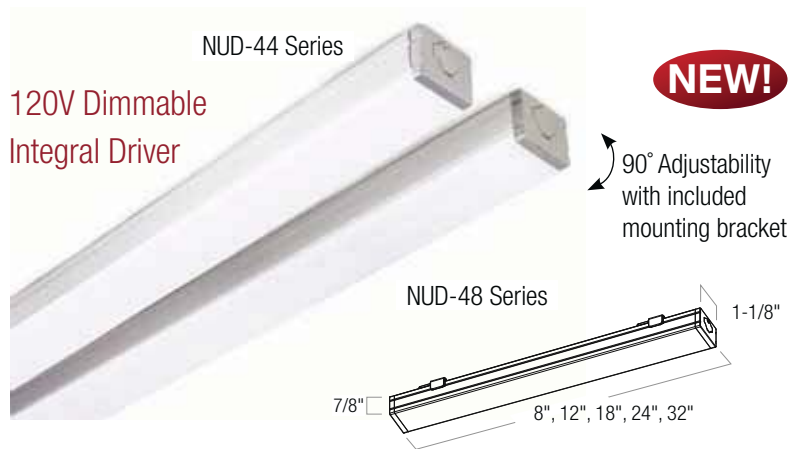


## LEDUC, Bravo & Bravo Plus Sample Layouts

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



# Bravo & Bravo Plus LED 120V Linear Lighting

**NEW!**90° Adjustability  
with included  
mounting bracket

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

## BRAVO PLUS LED LINEAR LIGHT (500 Lumens per foot)

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

## BRAVO LED LINEAR LIGHT (250 Lumens per foot)

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

Color Temps: **30** - 3000K, **40** - 4000K Finishes: **BZ** - Bronze, **S** - Silver, **W** - White

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

### Features:

- **Bravo:** 250 Lumens / 4 W per foot
- **Bravo Plus:** 500 Lumens / 8 W per foot
- 120V Dimmable
- Self contained driver in each unit
- 3000K (Warm) and 4000K (Cool) color temperatures
- 80+ CRI
- Using Osram LEDs®
- Frosted Lens
- Bronze, Silver or White finish
- Extruded Aluminum body
- Less than 1" in depth
- 0° to 90° mounting brackets included
- Linkable up to 400 Watts



## LEDUC, Bravo & Bravo Plus Accessories



NUD Series J-Box

**NUA-402** BZ or W

Hardwire box used to power NUD Series using NUA-406/412/424/472 Jumper Cables and NUA-404 Hardwire Connector. Include on/off switch. L: 6-1/4" W: 3-5/8" H: 1"



NUD Series Hardwire Connector

**NUA-404** B or W

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

NUD Series 72" Cord & Plug

**NUA-405** B or W

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



NUD Series Connectors

|                |            |        |
|----------------|------------|--------|
| <b>NUA-403</b> | end to end | B or W |
| <b>NUA-406</b> | 6"         | B or W |
| <b>NUA-412</b> | 12"        | B or W |
| <b>NUA-424</b> | 24"        | B or W |
| <b>NUA-472</b> | 72"        | B or W |

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



NUD Series Adjustable Mounting Brackets

**NUA-409** set of 2

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

# The Nora Lighting family of LED Tape Lighting

Nora Lighting's LED Tape light is available in four styles: Standard, Hy-Brite, High Output, and Color Changing RGB. All Nora LED Tapelight is **separable every 12"** and can be easily disconnected and reconnected without soldering. In addition, it is also **field cuttable every 6 LEDs**. Sold in 16' and 10' rolls, 12", 6" and 4" segments, LED Tapelight comes standard with **pre-applied 3M™ Tape** for trouble-free mounting. As with all LED sources, there is **no UV light or infrared wavelengths**.

## Nora LED Tape Light 4 Different Styles

### Standard LED Tape

- 70 to 100 Lumens per foot
- 12V and 24V
- Wet and Damp Label Listed

### **NEW!** Hy-Brite LED Tape

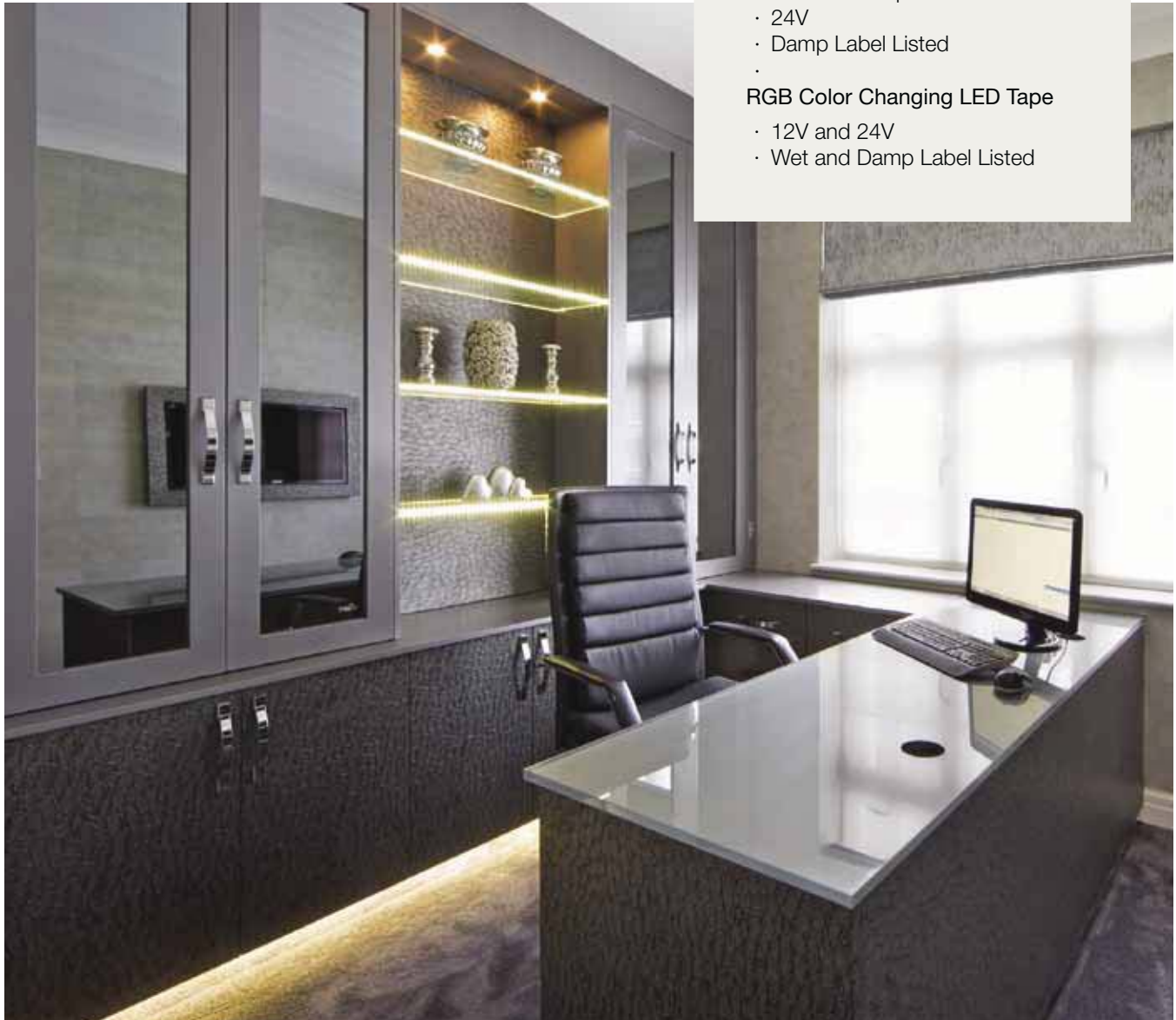
- 200+ Lumens per foot
- 24V
- Damp Label Listed

### **NEW!** High-Output LED Tape

- 350 Lumens per foot
- 24V
- Damp Label Listed

### RGB Color Changing LED Tape

- 12V and 24V
- Wet and Damp Label Listed

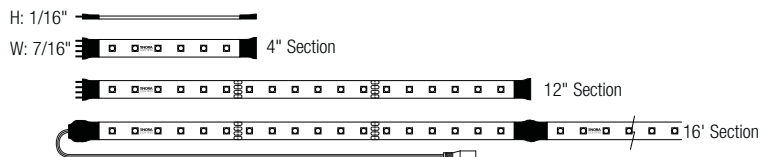
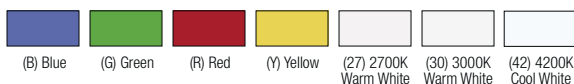




Now Available  
Damp Label

## LED SPECIALTY LED Standard Tape Light

70+  
Lumens  
Per Foot!



### HOW TO SPECIFY LED STANDARD TAPE LIGHT

| CATALOG. NO.                     | LENGTH       | VOLT | LABEL | COLOR TEMP.            |
|----------------------------------|--------------|------|-------|------------------------|
| NUTP1-16LED(color)               | 16' Roll     | 24V  | Wet*  | B, G, R, Y, 27, 30, 42 |
| NUTP1-LED(color)/12              | 12" Section  | 24V  | Wet*  | B, G, R, Y, 27, 30, 42 |
| NUTP1-LED(color)/4               | 4" Section   | 24V  | Wet*  | B, G, R, Y, 27, 30, 42 |
| NUTP1-16LED30PS                  | 16' Roll Kit | 24V  | Wet*  | 3000K                  |
| NUTP4-16LED(color)               | 16' Roll     | 12V  | Wet*  | B, G, R, Y, 30, 42     |
| NUTP4-LED(color)/12              | 12" Section  | 12V  | Wet*  | B, G, R, Y, 30, 42     |
| NUTP4-LED(color)/4               | 4" Section   | 12V  | Wet*  | B, G, R, Y, 30, 42     |
| NUTP4-16LED30PS                  | 16' Roll Kit | 12V  | Wet*  | 3000K                  |
| <b>NEW!</b> NUTP7-16LED(color)   | 16' Roll     | 24V  | Damp* | 27, 30, 42             |
| <b>NEW!</b> NUTP7-LED(color)/12  | 12" Section  | 24V  | Damp* | 27, 30, 42             |
| <b>NEW!</b> NUTP7-LED(color)/4   | 4" Section   | 24V  | Damp* | 27, 30, 42             |
| <b>NEW!</b> NUTP7-16LED(color)PS | 16' Roll Kit | 24V  | Damp* | 3000K, 4200K           |

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

ORDER EXAMPLE: NUTP1-LED42/4 = 24V 4" LED Tape Light Section, 4200K



\*Important - Consult Spec Sheets at [www.noralighting.com](http://www.noralighting.com)  
for Limitations on Wet and Damp Location Applications.

Nora's very low profile, energy efficient LED tape is only 7/16" wide and 1/16" thick. Designed to cast no shadows, our flexible LED light boasts a desirable seamless glow. Installation is easy as each roll (16 feet) is separable every 12" and can also be cut every 4" (2" on 12V). Our durable tape is available in two styles, Wet label\*, IP65 rated silicone encapsulated tape, and Damp label\* IP44 non-encapsulated tape.

#### Features:

- Wet Label\* and Damp Label\* series
- 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
- Wet Label\* available in 6 colors: Blue, Green, Red, Yellow, Cool White (4200K), Warm White (3000K)
- Damp Label\* available in 3 colors: Cool White (4200K), Warm White (3000K), Warm White (2700K)
- Separable every 12", easily disconnect and connected without soldering
- Field cuttable every 2" on 12V and 4" on 24V
- Maximum run: **Wet label\***: Electronic Driver (24V) 66' with 100W driver, (12V) 40' with 60W driver; **Damp label\***: Electronic Driver (24V) 66' with 100W driver
- Easy to install with pre-applied 3M™ tape, clips or channel
- Dimmable with dimmable power supply
- Exceeds Title 24 high efficacy requirements

**Construction:** The tape is separable every 12", can be cut every 2" on 12V and 4" on 24V at marked intervals. Cutting does not effect circuit. Silicone encapsulated Wet Label\* tape has pre-applied shrink wrap around connections to ensure wet location listing. Simply slice the clear shrink wrap at each 12" connection, and separate male-female connectors. This eliminates soldering when using partial rolls.

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

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

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

#### Electrical:

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

**Light Source:** 18 LEDs per foot

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

**Life Expectancy:** 50,000 Hours

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

#### Included with every Roll:

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

#### Listings:

Title 24 Compliant

California Energy Commission Certified

3 Year Limited Warranty

**Wet Label Tape\*:** cETLus Listed for Wet Location (not submersible); IP65 Rated

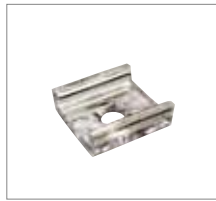
**Damp Label Tape\*:** cETLus Listed for Damp Location (not submersible); IP44 Rated

LED SPECIALTY

# LED Standard Tape Light Accessories and Drivers



**Shrink Wrap Tube**  
**NATL-400** Pack of 5  
**Description:** Used to seal connection made in the field. Necessary to maintain ETL Wet Listing. Two shrink wrap tubes are included with every Wet Series Tape Light roll and section.



**Clear Acrylic Mounting Clips**  
**NATL-401** Pack of 5  
**Description:** Used in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Tape Light roll.



**4' Plastic Channel**  
**NATL-420B** Black  
**NATL-420W** White  
**Description:** Used to mount Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable. UV protected.



**12V & 24V End Cap**  
**NATL-403**  
**Description:** Used to cover open end of LED Tape Light.



**Power Line Interconnector**  
**NATL-509** 24V 9" Cable  
**NATL-515** 12V 9" Cable  
**Description:** To connect any Tape Light run to a driver.  
 (1) Power line interconnector is included with every Tape Light roll.



**Power Line Interconnector with On/Off Switch**  
**NATL-511** 24V 11" Cable  
**NATL-517** 12V 11" Cable  
**Description:** To allow individual switching on any Tape Light run, and connect LED Tape Light run directly to LED Driver.



**12V & 24V Interconnection Cables**  
**NATL-202** 2" Cable  
**NATL-206** 6" Cable  
**NATL-218** 18" Cable  
**NATL-236** 36" Cable  
**NATL-272** 72" Cable



**12V & 24V Splitter Cable**  
**NATL-300** "Y" Cable  
**NATL-301** "X" Cable  
**Description:** Allows splitting the Tape Light from a run or driver, into two or three separate runs.



**Direct Plug-In El. Driver**  
**NAPK-524/12** 12V 24W  
**NAPK-550/12** 12V 50W  
**NATL-524** 24V 24W  
**NATL-545** 24V 45W  
**Voltage:** 12V or 24V DC  
**Cable Length:** 6 Feet  
**Requires:** Power line interconnector cable to connect to Tape Light run.

**Description:** The interconnection 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 Dimmable Class II Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage**  
**NMT-36/12C2D1** 36W  
**NMT-60/12C2D1** 60W  
**NMT-244/12C2D1\*** 4 x 60W  
**Voltage:** 12V DC



**24V Dimmable Class II Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage**  
**NMT-48/24C2D1** 48W  
**NMT-96/24C2D1** 96W  
**NMT-303/24C2D1\*** 3 x 100W  
**Voltage:** 24V DC



**Power Line Connector**  
**NAPK-10** 12V 10' Cable  
**NAPK-30** 12V 30' Cable  
**NALTL-10** 24V 10' Cable  
**NALTL-30** 24V 30' Cable  
**Description:** To be used with NMT Series Class II LED Driver. Replaces included 10' lead wire, to allow for 30' or less length between run and LED Driver.

**\*Includes:** (4) 10' Power Line Connectors (30' ordered separately)

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



**Hardwired Class II El. Driver**  
**NAPK-530HW/12** 12V 30W  
**NAPK-560HW/12** 12V 60W  
**NATL-530HW** 24V 30W  
**NATL-560HW** 24V 60W  
**Voltage:** 12V or 24V DC  
**Cable Length:** 3-1/4"  
**Input Wire:** 4"



**Class II Electronic LED Driver**  
**NATL-596** 24V 96W  
**Voltage:** 24V DC  
**Input Wire:** 5' Cord and Plug  
**Output Wire:** 44" Out Wire



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

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

**NATL-5100HW** 24V 100W  
 NATL-5100HW includes hardwire box and 10' Power Line Connector



**Junction Box for Hard Wiring**  
**NUSP-JBox**  
**Description:** To be used with NAPK-530HW/12, NAPK-560HW/12, NATL-530HW, NATL-560HW or NATL-5100 Drivers. Capable of feeding two separate runs. Accepts Romex®

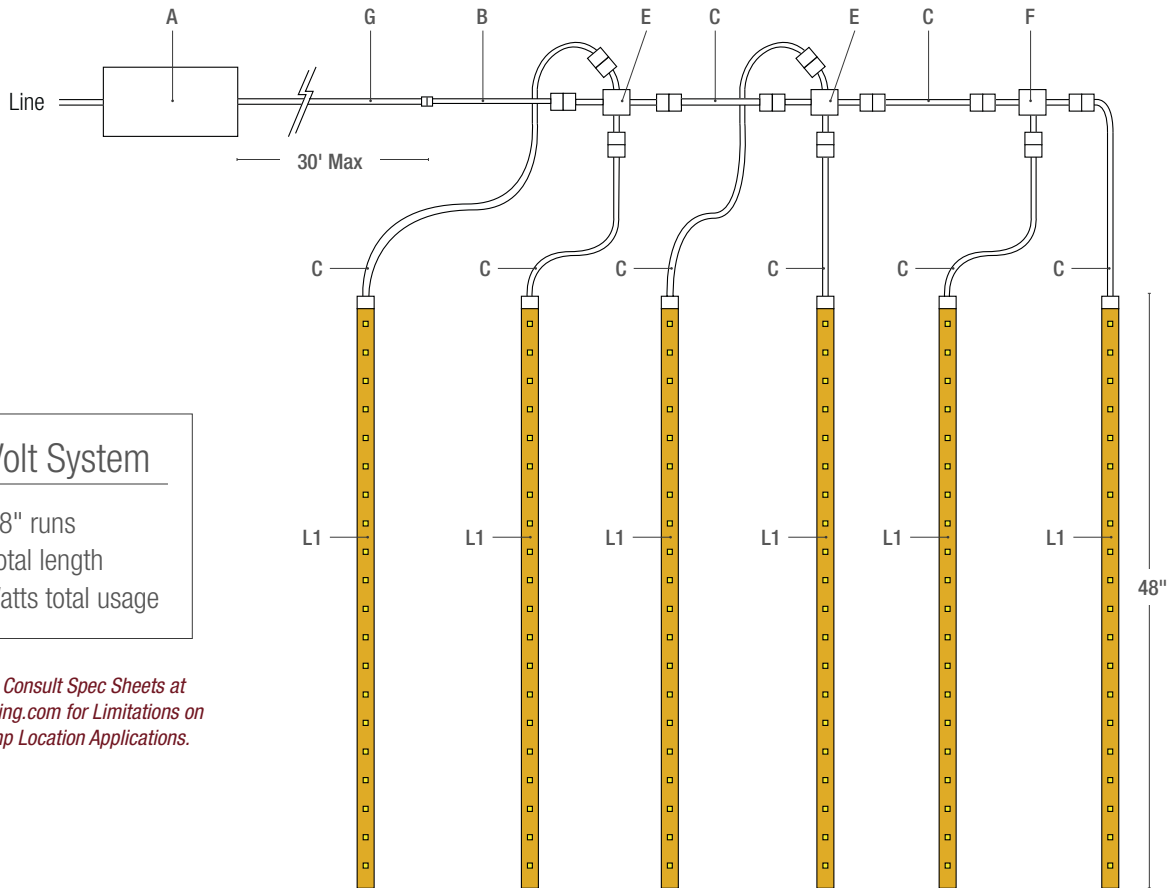


**Flexible Extension Cord**  
**NRA-125/6** 6" Cable  
**NRA-125/12** 12" Cable  
**NRA-125/18** 18" Cable  
**NRA-125/72** 72" Cable  
**Description:** Used to extend length between NUSP-JBox and NAPK-530HW/12, NAPK-560HW/12, NATL-530HW & NATL-560HW. Can be joined together to create custom lengths.



**Flexible Power Cord**  
**NRA-6035W/6** 6' Cable  
**NRA-6035W/10** 10' Cable  
**Description:** Used to convert NAPK-530HW/12, NAPK-560HW/12, NATL-530HW and NATL-560HW into a direct plug-in driver.

# LED Standard Tape Light Sample Layout



**24 Volt System**

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

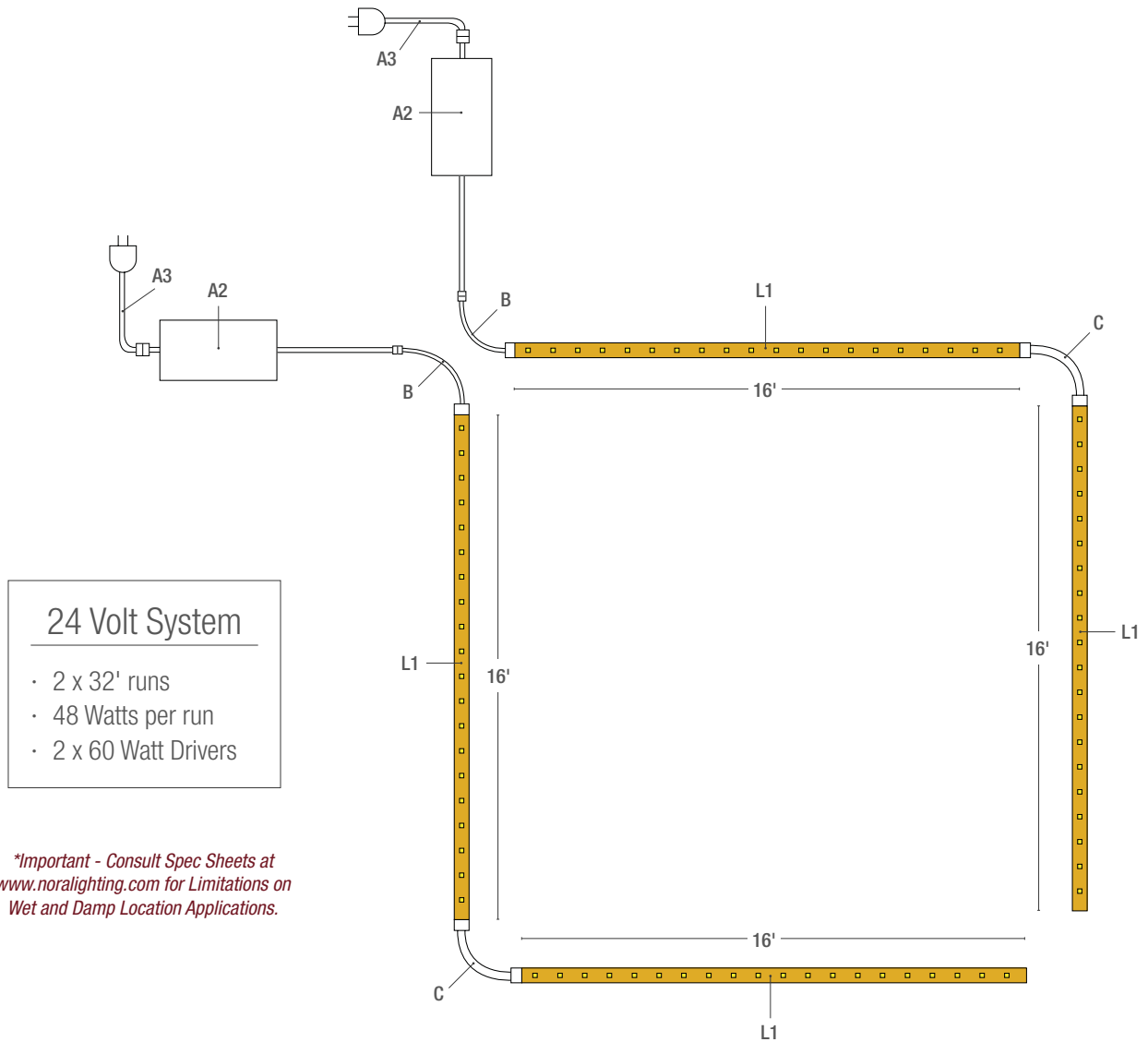
*\*Important - Consult Spec Sheets at [www.noralighting.com](http://www.noralighting.com) for Limitations on Wet and Damp Location Applications.*

|    | DESCRIPTION  | ITEM #  |
|----|--|---|
| A1 | 24V 48W Dimmable Magnetic Power Supply - Hardwire  | NMT-48/24C2D1   |
| B  | 9" Power Line Interconnector (one included with each Tape Light roll)                    | NATL-509  |
| C  | 2" Interconnection Cable   | NATL-202  |
|    | 6" Interconnection Cable   | NATL-206  |
|    | 18" Interconnection Cable  | NATL-218  |
|    | 36" Interconnection Cable  | NATL-236  |
|    | 72" Interconnection Cable  | NATL-272  |
| E  | "X" Splitter Cable (1 in & 3 out)  | NATL-301  |
| F  | "Y" Splitter Cable (1 in & 2 out)  | NATL-300  |
| G  | 30' Power Line Connector   | NALTL-30  |
| L1 | 48" LED Tape Light Segment (Each NUTP1-16LED Roll contains (16) 12" detachable sections) | (1) NUTP1-16LED(color) or<br>(1) NUTP7-16LED(color) or<br>(8) NUTP1-LED(color)/12 |

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

LED SPECIALTY

# LED Standard Tape Light Sample Layout



**24 Volt System**

- 2 x 32' runs
- 48 Watts per run
- 2 x 60 Watt Drivers

*\*Important - Consult Spec Sheets at [www.noralighting.com](http://www.noralighting.com) for Limitations on Wet and Damp Location Applications.*

|           | DESCRIPTION   | ITEM #   |
|-----------|---|--|
| <b>A2</b> | 24V 60W Class II Hardwire LED Driver  | NATL-560HW   |
| <b>A3</b> | Flexible 6' Power Cord  | NRA-6035W/6  |
| <b>B</b>  | 9" Power Line Interconnector (one included with each Tape Light roll)   | NATL-509   |
| <b>C</b>  | 2" Interconnection Cable<br>6" Interconnection Cable<br>18" Interconnection Cable<br>36" Interconnection Cable<br>72" Interconnection Cable | NATL-202<br>NATL-206<br>NATL-218<br>NATL-236<br>NATL-272 |
| <b>L1</b> | 16' LED Tape Light Roll (Disconnect every 12" or can be cut every 4", contains (16) 12" segments)   | (4) NUTP1-16LED(color) or<br>(4) NUTP7-16LED(color)      |



ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING

# 24V Hy-Brite LED Tape Light

## 200 Lumens per foot

Nora's new Hy-Brite LED Tape is the perfect solution when you need more light than Nora's Standard LED Tape but less than Nora's High Performance High-Output LED Tape. Producing 200+ lumens, Damp Label\* IP44 cETLus listed the Hy-Brite uses the same connectors and accessories as the HO LED Tape. The low profile tape is the ideal for coves, architectural details, under and in cabinets, toe kicks, and back lighting. IP44 rated, HY-Brite can be used outdoors when not exposed to direct water spray.

**Features:**

- 200+ Lumens per foot
- 44W per roll - 2.7W per foot
- 24V DC System
- Single color illumination
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 4" or 6 LEDs
- Single Maximum Run Length: 16' with magnetic dimmable drivers and 32' with electronic drivers
- Dimmable with dimable power supply
- Easy to install with pre-applied 3M™ tape or clips
- Title 24 Compliant
- cETLus Listed and IP44 Rated for Damp\* location

**Construction:** The tape is separable every 12", and can be cut every 6 LEDs at marked 4" intervals. Cutting does not effect circuit.

**Mounting:** Each Tape Light roll comes with with pre-applied 3M™ adhesive tape and 15 clear acrylic clips for simple installation.

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

**Electrical:**

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

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

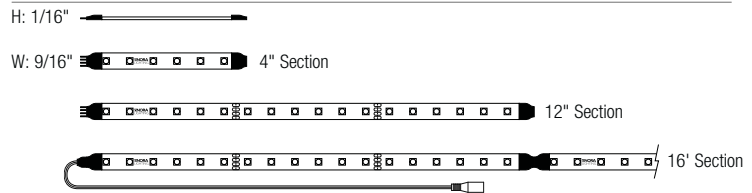
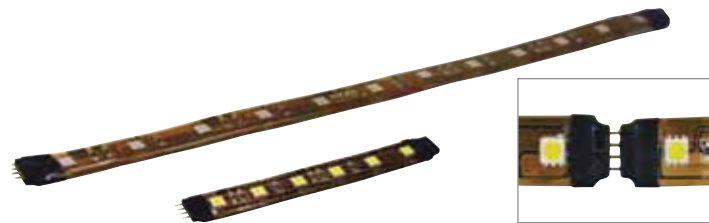
**Listings:**

cETLus Listed for Damp\* Location  
 IP44 Rated  
 Title 24 Compliant  
 California Energy Commission  
 3 Year Limited Warranty

**NEW!**



**200+ Lumens Per Foot!**



### HOW TO SPECIFY HY-BRITE LED TAPE LIGHT

| CATALOG. NO.               | LENGTH      | VOLT | LABEL | COLOR TEMP.   |
|----------------------------|-------------|------|-------|---------------|
| <b>NUTP5-16LED(color)</b>  | 16' Roll    | 24V  | Damp* | 27, 30, 42    |
| <b>NUTP5-LED(color)/12</b> | 12" Section | 24V  | Damp* | 27, 30, 42    |
| <b>NUTP5-LED(color)/4</b>  | 4" Section  | 24V  | Damp* | 27, Y, 30, 42 |

16' Tape Rolls include sixteen 12" sections.  
 12" and 4" Tape sections contain male/female ends.

**ORDER EXAMPLE:** NUTP5-LED42/4 = 4" 24V Hy-Brite LED Tape Light Section, 4200K



*\*Important - Consult Spec Sheets at [www.noralighting.com](http://www.noralighting.com) for Limitations on Wet and Damp Location Applications.*

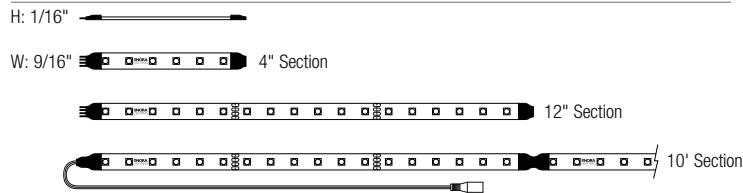
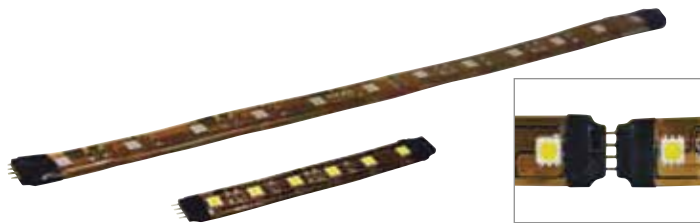
ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING  
**24V High Output LED Tape Light**  
 350 Lumens per foot



High Output LED Tape Light has five times the light output of our standard tape, consumes only 4.2W per foot, and is a perfect solution for your LED linear lighting needs. Very low profile High Output LED Tape is great for use in cove lighting, architectural enhancements, under cabinet or many more discreet locations. This flexible LED light source is cETLus Listed for Damp\* Location applications and IP44 rated.

**Features:**

- 350 Lumens per foot
- 180 LEDs / 42W per roll - 18 LEDs / 4.2W per foot
- 24V DC System
- 6 available colors: Blue, Green, Red, Yellow, Cool White (4200K), Warm White (3000K)
- 120° Beam Angle
- No soldering or additional wiring required
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 4" or 6 LEDs
- 10' single run maximum
- Dimmable Remote Hardwire Drivers, up to 300 Watts
- Easy to install with pre-applied 3M™ tape or clips
- Title 24 Compliant
- cETLus Listed and IP44 Rated for Damp\* location



**Construction:** The silicone encapsulated tape is separable every 12", and can be cut every 6 LEDs at marked 4" intervals. Cutting does not effect circuit.

**Mounting:** Each Tape Light roll comes with with pre-applied 3M™ adhesive tape and 15 clear acrylic clips for simple installation.

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

**HOW TO SPECIFY HIGH OUTPUT LED TAPE LIGHT**

| CATALOG. NO.               | LENGTH      | VOLT | LABEL | COLOR TEMP.        |
|----------------------------|-------------|------|-------|--------------------|
| <b>NUTP8-10LED(color)</b>  | 10' Roll    | 24V  | Damp* | B, G, R, Y, 30, 42 |
| <b>NUTP8-LED(color)/12</b> | 12" Section | 24V  | Damp* | B, G, R, Y, 30, 42 |
| <b>NUTP8-LED(color)/4</b>  | 4" Section  | 24V  | Damp* | B, G, R, Y, 30, 42 |

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

ORDER EXAMPLE: NUTP8-LED42/4 = 4" 24V High Output LED Tape Light Section, 4200K

**Electrical:**

**Power:** 24V DC Input / 4 Watts Per Foot  
**Light Source:** 18 High Output LEDs Per Foot  
**Operating Temperature:** -25°C to 60°C  
 (-13° F to 140° F)  
**Life Expectancy:** 50,000 Hours  
**Maximum Run Length:** 10'

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

**Listings:**

cETLus Listed for Damp\* Location  
 IP44 Rated  
 Title 24 Compliant  
 California Energy Commission  
 3 Year Limited Warranty



*\*Important - Consult Spec Sheets at [www.noralighting.com](http://www.noralighting.com) for Limitations on Wet and Damp Location Applications.*

ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING

# 24V Hy-Brite & High Output LED Tape Light Accessories & Drivers



End Cap  
**NATL-403**  
**Description:** Used to cover open end of Hy-Brite & High Output Tape Light.



Clear Acrylic Mounting Clips  
**NATHR-685** Pack of 15  
**Description:** Used in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every Hy-Brite & High Output Tape Light roll.



4' Aluminum Channel  
**NATHR-680**  
**Description:** Used to mount Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable. Can be used with NAL-201, NAL-245 or NAL-280 Lightbar mounting clips.



Interconnection Cables  
**NAHO-602** 2" Cable  
**NAHO-606** 6" Cable  
**NAHO-618** 18" Cable  
**NAHO-636** 36" Cable  
**NAHO-672** 72" Cable

**Description:** The interconnection cable allows easy linking of two Hy-Brite & High Output Tape Lights sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



Power Line Interconnector  
**NAHO-609**  
**Description:** To connect Hy-Brite or High Output Tape Light run to a driver. (1) Power line interconnector is included with every Hy-Brite & High Output Tape Light roll.



Power Line Interconnector with On/Off Switch  
**NAHO-611**  
**Description:** To allow individual switching on any Hy-Brite & High Output Tape Light run, and connect the LED tape light run to an LED driver.



24V Hardwire Electronic Driver  
**NATL-5100HW** 100W  
NATL-5100HW includes hardwire box, 100W 24V Driver, and 10' Power Line Connector

**NEW!**



"Y" Splitter Cable  
**NAHO-600**  
**Description:** Allows splitting the Hy-Brite & High Output Tape light from a run or driver, into two separate runs.



"X" Splitter Cable  
**NAHO-601**  
**Description:** Allows splitting the Hy-Brite & High Output Tape light from a run or driver, into three separate runs.



24V Dimmable Class II Hardwire Magnetic Driver with Integral Regulator for Constant Current and Voltage  
**NMT-48/24C2D1** 48W  
**NMT-96/24C2D1** 96W  
**NMT-303/24C2D1\*** 3 x 100W  
**Voltage:** 24V DC

**NEW!**

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



Power Line Connector  
**NATL-10** 10' Cable  
**NATL-30** 30' Cable  
**Description:** To be used with NMT Series Class II LED Driver. Replaces included 10' lead wire, to allow for 30' or less length between run and LED Driver.



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

**NEW!**



Hardwired Class II El. Driver  
**NATL-530HW** 30W  
**NATL-560HW** 60W  
**Voltage:** 24V DC  
**Cable Length:** 3-1/4"  
**Input Wire:** 4"

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



Class II Electronic LED Driver  
**NATL-596** 96W  
**Voltage:** 24V DC  
**Input Wire:** 5' Cord and Plug  
**Output Wire:** 44" Out Wire

**NEW!**



Direct Plug-In El. Driver  
**NATL-524** 24W  
**NATL-545** 45W  
**Voltage:** 24V DC  
**Cable Length:** 6 Feet

\*Requires: Power line interconnection cable to connect to Tape Light run.



Junction Box for Hard Wiring  
**NUSP-JBox**  
**Description:** To be used with NATL-530HW, NATL-560HW or NATL-5100 Drivers. Capable of feeding two separate runs. Accepts Romex®



Flexible Extension Cord  
**NRA-125/6** 6" Cable  
**NRA-125/12** 12" Cable  
**NRA-125/18** 18" Cable  
**NRA-125/72** 72" Cable  
**Description:** Used to extend length between NUSP-JBox and NATL-530HW & NATL-560HW. Can be joined together to create custom lengths.

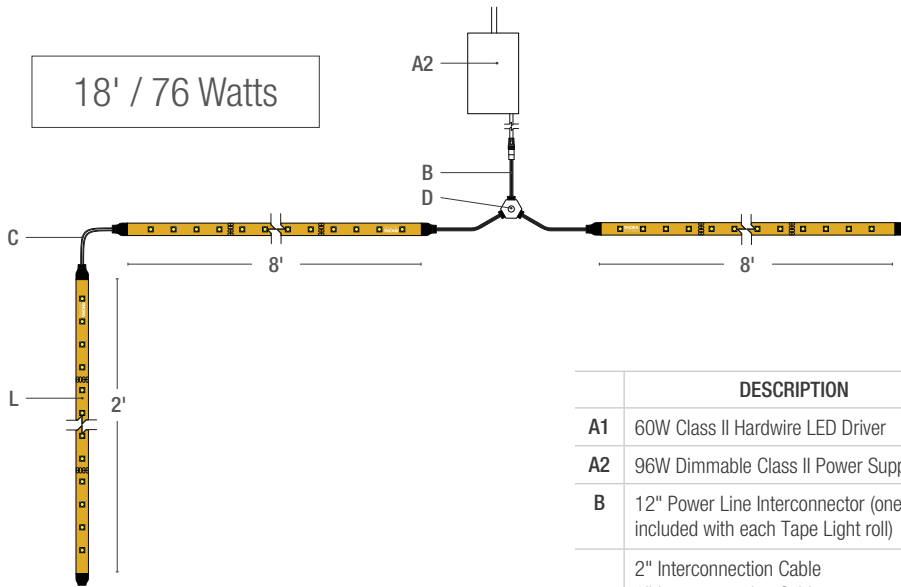
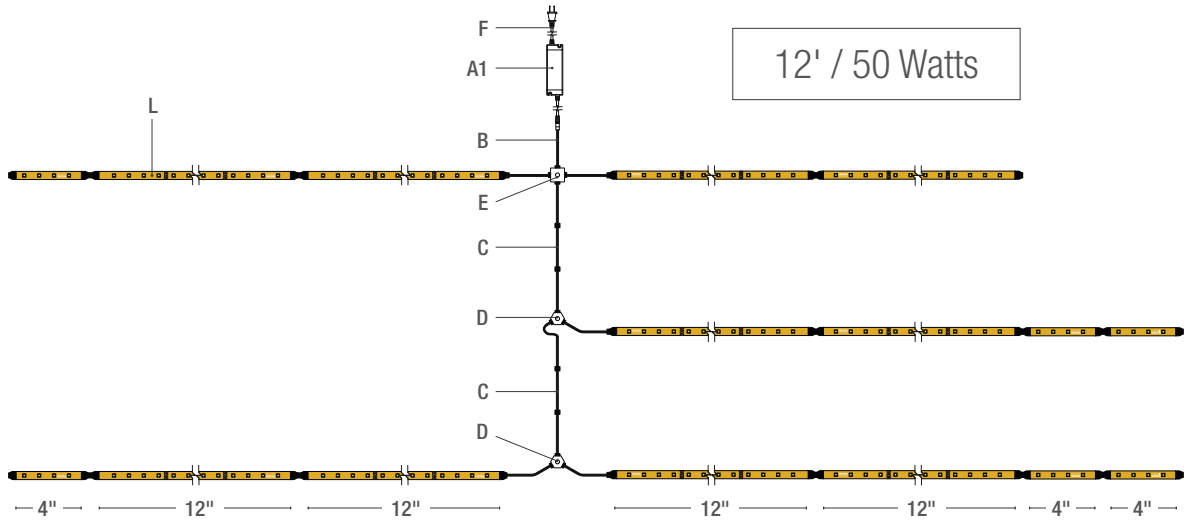


Flexible Power Cord  
**NRA-6035W/6** 6' Cable  
**NRA-6035W/10** 10' Cable  
**Description:** Used to convert NATL-530HW and NATL-560HW into a direct plug-in driver.

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



## ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING 24V High Output LED Tape Light Sample Layout



*\*Important - Consult Spec Sheets at [www.noralighting.com](http://www.noralighting.com) for Limitations on Wet and Damp Location Applications.*

|    | DESCRIPTION  | ITEM #              |
|----|--|---------------------|
| A1 | 60W Class II Hardwire LED Driver                                       | NATL-560HW          |
| A2 | 96W Dimmable Class II Power Supply                                     | NMT-96/24C2D1       |
| B  | 12" Power Line Interconnector (one included with each Tape Light roll) | NAHO-609            |
| C  | 2" Interconnection Cable   | NAHO-602            |
|    | 6" Interconnection Cable   | NAHO-606            |
|    | 18" Interconnection Cable  | NAHO-618            |
|    | 36" Interconnection Cable  | NAHO-636            |
|    | 72" Interconnection Cable  | NAHO-672            |
| D  | "Y" Splitter Cable   | NAHO-600            |
| E  | "X" Splitter Cable   | NAHO-601            |
| F  | Flexible 6' Power Cord   | NRA-6035W/6         |
| L  | 4" High Output LED Tape Light  | NUTP2-LED(color)/4  |
|    | 12" High Output LED Tape Light   | NUTP2-LED(color)/12 |
|    | 16' High Output LED Tape Light   | NUTP2-16LED(color)  |

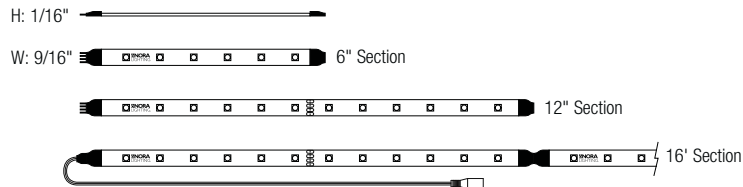


# 12V or 24V RGB LED Tape Light (Color Changing)



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



## HOW TO SPECIFY RGB COLOR CHANGING LED TAPE LIGHT

| CATALOG. NO.                    | LENGTH      | VOLT | LABEL | COLOR TEMP. |
|---------------------------------|-------------|------|-------|-------------|
| <a href="#">NUTP3-16LEDRGB</a>  | 16' Roll    | 24V  | Wet*  | RGB         |
| <a href="#">NUTP3-LEDRGB/12</a> | 12" Section | 24V  | Wet*  | RGB         |
| <a href="#">NUTP3-LEDRGB/6</a>  | 6" Section  | 24V  | Wet*  | RGB         |
| <a href="#">NUTP6-16LEDRGB</a>  | 16' Roll    | 12V  | Wet*  | RGB         |
| <a href="#">NUTP6-LEDRGB/12</a> | 12" Section | 12V  | Wet*  | RGB         |
| <a href="#">NUTP6-LEDRGB/6</a>  | 6" Section  | 12V  | Wet*  | RGB         |

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

ORDER EXAMPLE: NUTP3-16LEDRGB = 24V 16' RGB LED Tape Light Roll

\* Specifications for Drivers on page 706.

RGB controller must be used between the Driver and RGB tape to accomplish RGB color changing.



### Listings:

cETLus Listed for Wet Location\* (not submersible)  
IP65 Rated  
California Energy Commission  
3 Year Limited Warranty

*\*Important - Consult Spec Sheets at [www.noralighting.com](http://www.noralighting.com) for Limitations on Wet and Damp Location Applications.*

RGB LED Tape Light has the colors Red, Green, and Blue in every LED diode. Several colors of visual spectrum can be selected and programmed with a 120° viewing angle. A stationary color, automatic changing colors and brightness can be selected and changed at anytime with the press of a button. Very low profile RGB LED Tape Light is a great use in show exhibition lighting, architectural enhancements, bars, theaters, store fronts, or anywhere you need a punch of color. Controller needed to operate color variations. This flexible LED light source is a durable silicone encapsulated tape, cETLus Listed for Wet\* Locations applications and IP65 rated.

### Features:

- Now available in 12V or 24V
- Separable every 12" - easily disconnected and connected without soldering
- Field cuttable every 3" using 12V and 6" using 24V
- Shrink Wrap Tube at each Breakaway
- 40W per roll - 2.5W per foot
- Primary Colors: Red, Green, and Blue
- Several colors or automated changing of visual spectrum can be selected & programmed
- Synchronizable
- 3 changeable brightness levels with hand held remote
- 192 LEDs per roll - 12 LEDs per foot
- 120° Beam Angle
- Pre-applied 3M™ Tape for mounting
- No UV light or infrared wavelengths

**Construction:** The silicone encapsulated tape can be cut every 3" (12V) or 6" (24V) at marked intervals. Cutting does not effect circuit (shrink wrap tube included for concealment). RGB Tape Light is also separable every 12", each connection has pre-applied shrink wrap around connections to ensure wet\* location listing. Simply slice the clear shrink wrap at each electrical connection, and separate pieces. This eliminates soldering when using partial rolls.

**Mounting:** Each RGB Tape Light roll comes with 15 clear acrylic clips and also comes with pre-applied 3M™ adhesive tape for simple installation.

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

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

### Electrical:

**Power:** 12V or 24V DC Input / 2.5 Watts per Foot

**Light Source:** 12 LEDs per foot

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

**Life Expectancy:** 50,000 Hours

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

### Included with every RGB Tape Light roll:

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

### Required to run RGB Tape Light:

RGB Tape Light, Power Line Interconnector, RGB Controller, and LED Driver.

ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING

# 12V & 24V RGB LED Tape Light Accessories & Drivers



**Shrink Wrap Tube**  
**NATL-400** Pack of 5  
**Description:** Used to seal connection made in the field. Necessary to maintain ETL Wet Listing. Two shrink wrap tubes are included with every Tape Light roll and section.



**Clear Acrylic Mounting Clips**  
**NATHR-685** Pack of 15  
**Description:** Used in conjunction with adhesive backing to attach Tape Light to a surface. Pack of 15 clear acrylic mounting clips are included with every RGB Tape Light roll.



**4' Aluminum Channel**  
**NATHR-680**  
**Description:** Used to mount Tape Light to various surfaces. Tape Light snaps into the channel. Field cuttable. Can be used with NAL-201, NAL-245 or NAL-280 Lightbar mounting clips.



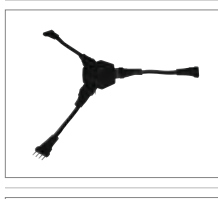
**12V & 24V End Cap**  
**NATL-403**  
**Description:** Used to cover open end of RGB Tape Light.



**12V & 24V Power Line Interconnector**  
**NARGB-710** 12" Cable  
**Description:** To connect an RGB controller.  
**Note:** (1) NARGB-710 is included with every RGB Tape Light roll. Use interconnection cables to increase length.



**12V & 24V Interconnection Cables**  
**NARGB-702** 2" Cable  
**NARGB-706** 6" Cable  
**NARGB-718** 18" Cable  
**NARGB-736** 36" Cable  
**NARGB-772** 72" Cable  
**Description:** The interconnection cable allows easy linking of 2 RGB Tape Lights sections. Cables are flexible and can be moved in any direction, or be joined together for custom lengths.



**12V & 24V "Y" Splitter Cable**  
**NARGB-700**  
**Description:** Allows splitting the RGB Tape light from a run or driver, into two separate runs.



**12V & 24V "X" Splitter Cable**  
**NARGB-701**  
**Description:** Allows splitting the RGB Tape light from a run or driver, into three separate runs.



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



**RGB Controller**  
**NARGB-760** 24V Controller  
**NARGB-765** 12V Controller  
**Description:** 360W Max. A controller is required for each RGB LED Tape Light run. Installs between the driver and the power line interconnector. The controller can be used to toggle between colors or changing modes.



**Controller Power Line Connector**  
**NARGB-762** 24V 10'  
**NARGB-763** 24V 30'  
**NARGB-767** 12V 10'  
**NARGB-768** 12V 30'  
**Description:** Replaces included 9-1/2" input wire, to allow for 30' or less length between controller and LED Driver.



**Hand Held Remote**  
**NARGB-761**  
**Description:** For remote control of RGB Controller up to 22' away (must be in direct view line of RGB controller to work correctly). Used to program RGB Tape Light run to certain color configurations.



**12V Class II Hardwire Magnetic Driver**  
**NMT-36/12C2D1** 36W  
**NMT-60/12C2D1** 60W  
**NMT-244/12C2D1\*** 4 x 60W  
**Voltage:** 12V DC  
**Includes:** 10' Power Line Connector (30' ordered separately)



**24V Class II Hardwire Magnetic Driver**  
**NMT-48/24C2D1** 48W  
**NMT-96/24C2D1** 96W  
**NMT-303/24C2D1\*** 3 x 100W  
**Voltage:** 24V DC  
**Includes:** 10' Power Line Connector (30' ordered separately)



**Power Line Connector**  
**NAPK-10** 12V 10' Cable  
**NAPK-30** 12V 30' Cable  
**NALTL-10** 24V 10' Cable  
**NALTL-30** 24V 30' Cable  
**Description:** To be used with NMT Series Class II LED Driver. Replaces included 10' lead wire, to allow for 30' or less length between run and LED Driver.

**\*Includes:**  
**(4) 10' Power Line Connectors**

**\*Includes:**  
**(3) 10' Power Line Connectors**

**Key Selections:** Brightness, Colors, Fade and Smooth Fade, On/Off



**Hardwired Class II El. Driver**  
**NAPK-530HW/12** 12V 30W  
**NAPK-560HW/12** 12V 60W  
**NATL-530HW** 24V 30W  
**NATL-560HW** 24V 60W  
**Voltage:** 12V or 24V DC  
**Cable Length:** 3-1/4"  
**Input Wire:** 4"



**Class II Electronic LED Driver**  
**NATL-596** 96W  
**Voltage:** 24V DC  
**Input Wire:** 5' Cord and Plug  
**Output Wire:** 44" Out Wire  
**NATL-5100HW** 100W  
**NATL-5100HW** includes hardwire box and 10' Power Line Connector



**Direct Plug-In El. Driver**  
**NAPK-524/12** 12V 24W  
**NAPK-550/12** 12V 50W  
**NATL-524** 24V 24W  
**NATL-545** 24V 45W  
**Voltage:** 12V or 24V DC  
**Cable Length:** 6 Feet  
**Requires:** Power line interconnector cable to connect to Tape Light run.

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



**Junction Box for Hard Wiring**  
**NUSP-JBox**  
**Description:** To be used with NAPK-530HW/12, NAPK-560HW/12, NATL-530HW, NATL-560HW or NATL-5100 Drivers. Capable of feeding two separate runs. Accepts Romex®



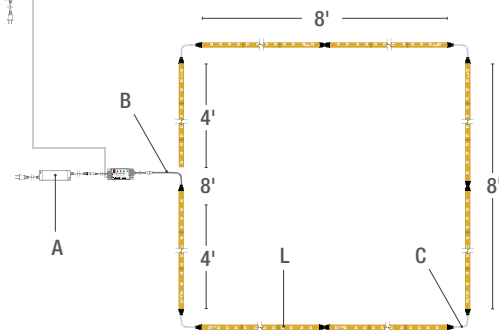
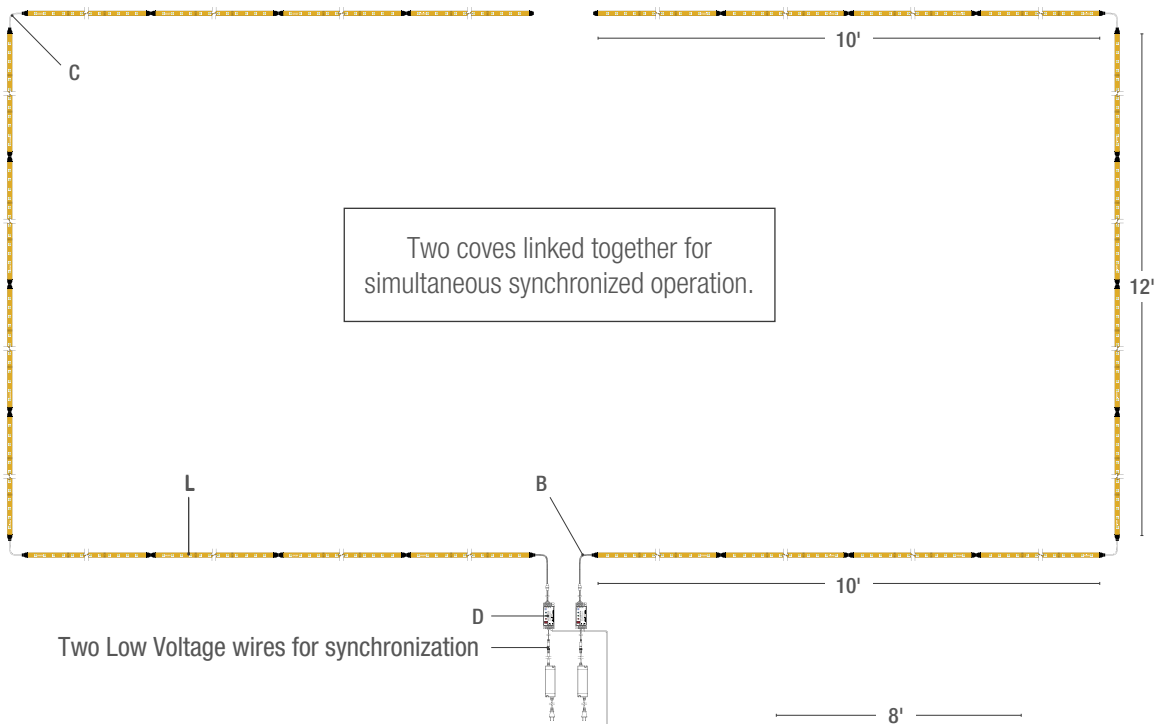
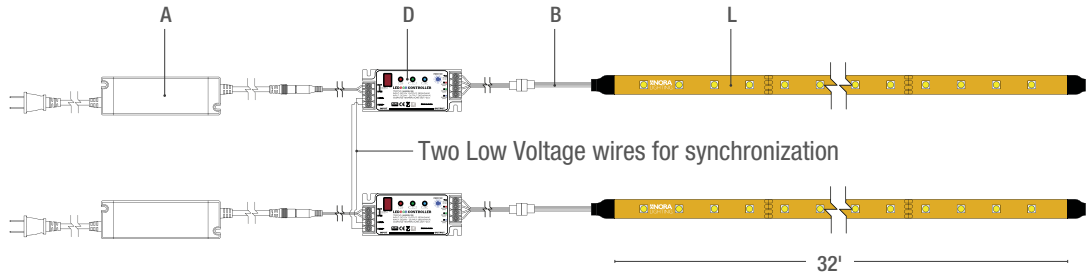
**Flexible Extension Cord**  
**NRA-125/6** 6" Cable  
**NRA-125/12** 12" Cable  
**NRA-125/18** 18" Cable  
**NRA-125/72** 72" Cable  
**Description:** Used to extend length between NUSP-JBox and NAPK-530HW/12, NAPK-560HW/12, NATL-530HW & NATL-560HW. Can be joined together to create custom lengths.



**Flexible Power Cord**  
**NRA-6035W/6** 6' Cable  
**NRA-6035W/10** 10' Cable  
**Description:** Used to convert NAPK-530HW/12, NAPK-560HW/12, NATL-530HW and NATL-560HW into a direct plug-in driver.

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

# ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING RGB LED Tape Light 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-710      |
| C | 2" Interconnection Cable  | NARGB-702      |
|   | 6" Interconnection Cable  | NARGB-706      |
|   | 18" Interconnection Cable   | NARGB-718      |
|   | 36" Interconnection Cable   | NARGB-736      |
|   | 72" Interconnection Cable   | NARGB-772      |
| D | RGB Controller  | NARGB-760      |
| L | RGB LED Tape Light Roll (Disconnect every 12" or can be cut every 6", contains (16) 12" segments) | NUTP3-16LEDRGB |

*\*Important - Consult Spec Sheets at [www.noralighting.com](http://www.noralighting.com) for Limitations on Wet and Damp Location Applications.*



ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING

# 12V LED Puck Light



## 12V LED PUCK LIGHT

| CATALOG. NO.                   | WATTAGE | COLOR TEMPERATURE | FINISH |
|--------------------------------|---------|-------------------|--------|
| <a href="#">NMPK1-3LED30BZ</a> | 4.2W    | 3000K             | Bronze |
| <a href="#">NMPK1-3LED30C</a>  | 4.2W    | 3000K             | Chrome |
| <a href="#">NMPK1-3LED30W</a>  | 4.2W    | 3000K             | White  |
| <a href="#">NMPK1-3LED42BZ</a> | 4.2W    | 4200K             | Bronze |
| <a href="#">NMPK1-3LED42C</a>  | 4.2W    | 4200K             | Chrome |
| <a href="#">NMPK1-3LED42W</a>  | 4.2W    | 4200K             | White  |

## 12V LED PUCK LIGHT KIT

| CATALOG. NO.                   | PUCKS INCLUDED         | COLOR TEMPERATURE | FINISH |
|--------------------------------|------------------------|-------------------|--------|
| <a href="#">NMPK2-3LED30BZ</a> | 3 LED Pucks (included) | 3000K             | Bronze |
| <a href="#">NMPK2-3LED30C</a>  | 3 LED Pucks (included) | 3000K             | Chrome |
| <a href="#">NMPK2-3LED30W</a>  | 3 LED Pucks (included) | 3000K             | White  |

**Listings:**  
 ETL and cETL Listed for Dry Location  
 RoHS Compliant  
 Title 24 Compliant  
 California Energy Commission  
 3 Year Limited Warranty

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

**Features:**

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

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

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

**Color Temperatures:**

Warm White (3000K) or Cool White (4200K)

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

**Electrical:**

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



ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING

# 12V LED Puck Light Accessories and Drivers



Splitter

- NAPK-701B Black
- NAPK-701W White

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



Interconnection Cable

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

**Finish:** Black (B), White (W)  
**Description:** Allow easy linking of two puck lights.



Mini Coupler

- NAPK-713B Black
- NAPK-713W White

**Description:** 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 w/ Switch

- NAPK-711B Black
- NAPK-711W White

**Description:** To allow individual switching of any LED Puck Light run.



18" Power Line Interconnector

- NAPK-709B Black
- NAPK-709W White

**Description:** Used to connect puck light to a driver.



**NEW!**

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

- NMT-36/12C2D1 36W
- NMT-60/12C2D1 60W
- NMT-244/12C2D1\* 4 x 60W

**Voltage:** 12V DC

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

\*Includes: (4) 10' Power Line Connectors



Power Line Connector

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

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



**NEW!**

Low Voltage Splice Box

NATL-415W

**Finish:** White

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



Hardwired Class II El. Driver

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

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

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



Direct Plug-In El. Driver

NAPK-524/12 24W

**Voltage:** 12V  
**Cable Length:** 6 Feet

**Requires:** Power line interconnector cable to connect to Puck Light run.



Direct Plug-In El. Driver

NAPK-550/12 50W

**Voltage:** 12V  
**Input Wire:** 60"

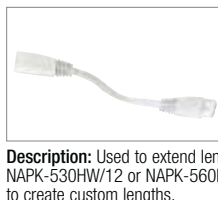
**Cord and Plug:** 6 Feet  
**Requires:** Power line interconnector cable to connect to Puck Light run.



Junction Box for Hard Wiring

NUSP-JBox

**Description:** To be used with NAPK-530HW/12 or NAPK-560HW/12. Capable of feeding two separate runs. Accepts Romex®



Flexible Extension Cord

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

**Description:** Used to extend length between NUSP-JBox and NAPK-530HW/12 or NAPK-560HW/12. Can be joined together to create custom lengths.



Flexible Power Cord

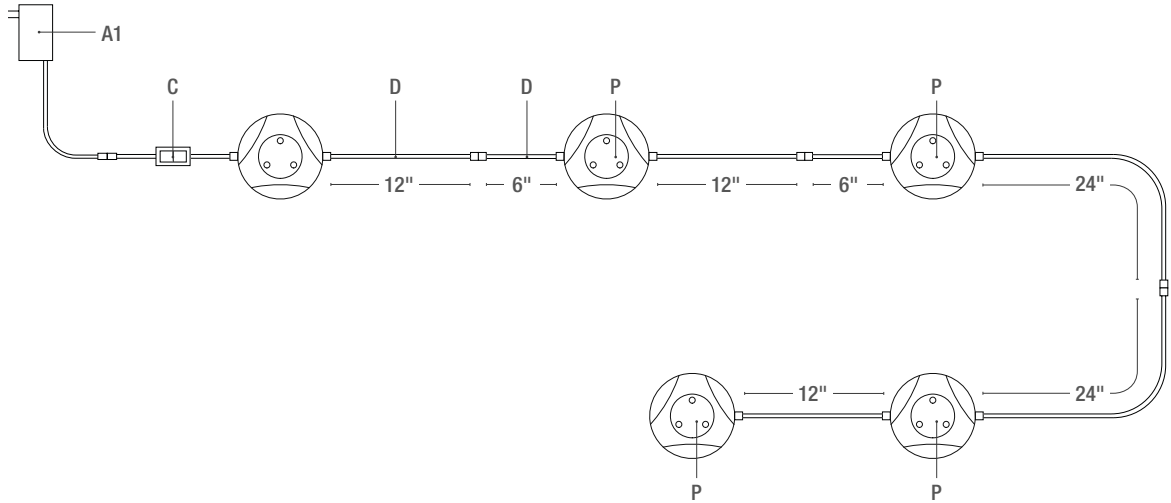
- NRA-6035W/6 6' Cable
- NRA-6035W/10 10' Cable

**Description:** Used to convert NAPK-530HW/12 or NAPK-560HW/12 into a direct plug-in driver.

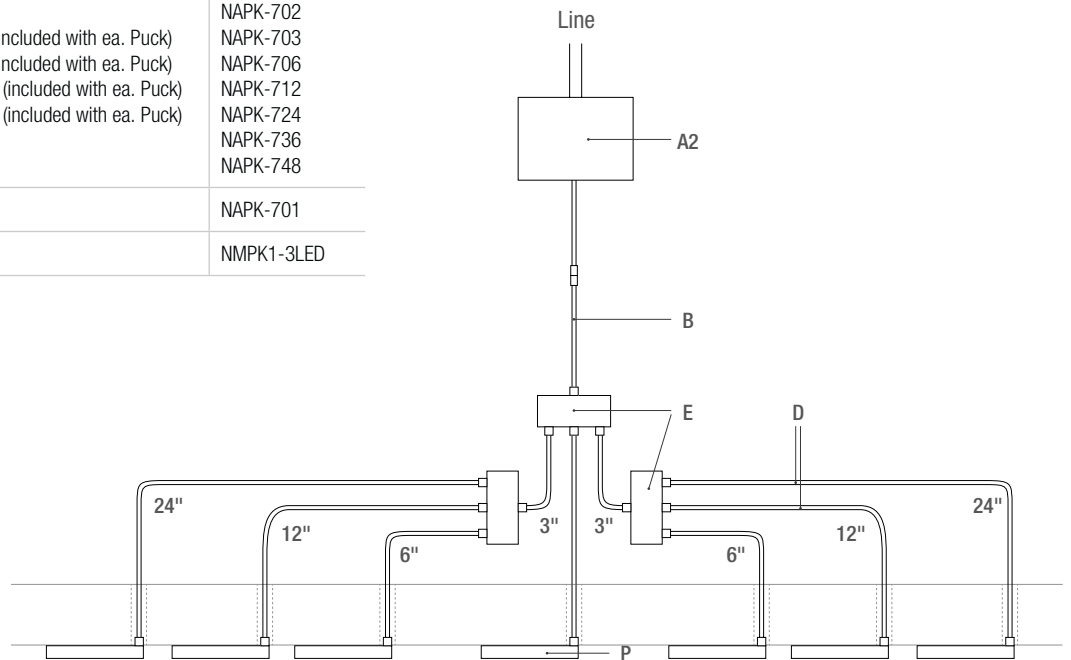


## ACCENT, UNDER CABINET, LINEAR, COVE LIGHTING

# 12V LED Puck Light Sample Layout



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





# The Nora Lighting family of LED Track Lighting

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



## LED FIXTURE FEATURES

- NEW!** Flex Beam adjustable beam track fixture
- NEW!** Three NEW Integral Driver Styles - Cori, Pillar and Robo. Ranging from 9 to 23 Watts.
- NEW!** New "Complete Package" Track Heads with specifiable LED lamps.
  - "J" and "L" style track fixtures

## NORA TRACK FEATURES

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



### Commercial Lighting Tip:

Using 2-circuit track can reduce the cost of labor and wire on large scale jobs while also adding flexibility. Dual A/B switching can reduce energy costs when not all lights are required to be on.

### Residential Lighting Tip:

2-Circuit Track provides the same flexibility as recessed lighting while reducing the cost of installation and adding only minimally to material cost. Use one circuit to light focal points and the second circuit for general lighting.

### T-Wash Track Fixture LED Linear Flood Wall Wash Available late 2012

Nora is excited to introduce the LED Track Linear Flood Wall Wash, available in two lengths - 2 ft., 33 Watt 2100 Lumen and 4 ft. 66 Watt 4200 Lumen. The architectural style housing includes the LED module, driver and a frosted lens for even light distribution. High CRI and offering either 3000K or 4000K light output, the Nora Linear LED Wall Wash is specifiable with H, J and L adaptors and is an obvious choice for Specifiers and Lighting Designers for energy efficient Retail and Commercial applications.



# LED Flex Beam

## Adjustable Beam Spread LED Track Fixtures

### Flex Beam LED Track Fixture

**NTE-818 Series\*** 25W Max

- Features:** Bridgelux 25W LED (1650-2000 lumens)  
**Construction:** Die-cast aluminum with integral driver  
**Color Temp:** 2700K Warm White (27), 3000K Warm White (30), 4000K Cool White (40)  
**Beam Spread:** Adjustable from 14° Spot to 40° Flood  
 Beam spread indicators allow precise control  
**Finish:** Black (B), Silver (S), White (W)  
**Style:** H-Style, J-Style, L-Style  
**Dimensions:** Width: 5-5/8" Length: 6" Diameter: 3-3/4"  
 Maximum Extension: 8-1/8"  
**Adjustability:** 350° Rotation. 90° Vertical adjustment  
**Electrical:** 120V - Non Dimmable  
**Warranty:** Three year Limited Warranty

Telescoping shroud easily adjusts beam spread from 14° spot to 40° flood!



### \*How to specify Flex Beam Adjustable LED Track Fixture

| NTE-818 | L            | 30                       | A              | 25       | W                                    |   |
|---------|--------------|--------------------------|----------------|----------|--------------------------------------|---|
| SERIES  | LIGHT SOURCE | COLOR TEMP.              | BEAM SPREAD    | WATTAGE  | FINISH                               | STYLE   |
| NTE-818 | L = LED      | 30 = 3000K<br>42 = 4200K | A = Adjustable | 25 = 25W | B = Black<br>S = Silver<br>W = White | (blank) = H-Style<br>/J = J-Style<br>/L = L-Style |

Order Example: NTE-818L30A25W/J - Flex Beam LED Track Fixture, 3000 Kelvin, Adjustable Beam Spread, 25 Watts, White Finish, "J" compatible adapter

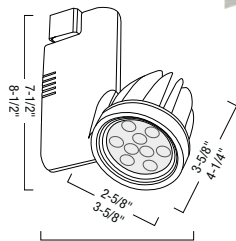
# Cori Series

## 12W/23W LED Track Fixtures

### Cory LED Track Fixture

**NTE-840L Series\*** 12W / 23W Max

- Features:** 23W and 1799 Lumens; 12W and 1040 Lumens  
**Construction:** Die-cast aluminum head and body for maximum heat dissipation  
**Color Temp:** 3000K Warm White (30), 4000K Cool White (40)  
**Beam Spread:** 15° Spot (S), 35° Flood (F)  
**Finish:** Black (B), Silver (S), White (W)  
**Style:** H-Style, J-Style, L-Style



### \*How to specify Cory LED Track Fixture

| NTE-840 | L            | 30                       | S                                 | 23                   | W                                    |   |
|---------|--------------|--------------------------|-----------------------------------|----------------------|--------------------------------------|---|
| SERIES  | LIGHT SOURCE | COLOR TEMP.              | BEAM SPREAD                       | WATTAGE              | FINISH                               | STYLE   |
| NTE-840 | L = LED      | 30 = 3000K<br>40 = 4000K | S = 15° (Spot)<br>F = 35° (Flood) | 12 = 12W<br>23 = 23W | B = Black<br>S = Silver<br>W = White | (blank) = H-Style<br>/J = J-Style<br>/L = L-Style |

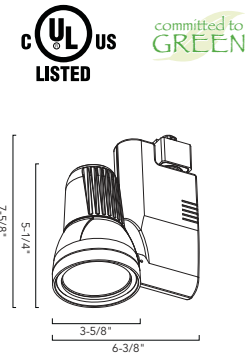
Order Example: NTE-840L30S23W/J - Cori LED Track Fixture, 3000 Kelvin, 15° Beam Spread, 23 Watts, White Finish, "J" compatible adapter

# Pillar 18W LED Track Fixture

## Pillar LED Track Fixture

NTE-810L Series\* 18W Max

- Features:** Up to 742 lumens and 80 CRI  
**Lamp:** 18W LED (included)  
**Color Temp:** 3000K Warm White (30), 4200K Cool White (42)  
**Beam Spread:** 15° Spot (S), 30° Flood (F)  
**Finish:** Black (B), Silver (S), White (W)  
**Style:** H-Style, J-Style, L-Style  
**Dimensions:** Width: 6-3/8" Length: 5-1/4"  
 Diameter: 3-5/8" Maximum Extension: 7-5/8"  
**Electrical:** 120V non-dimmable  
**Warranty:** Three year Limited Warranty



### \*How to specify Pillar LED Track Fixture

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

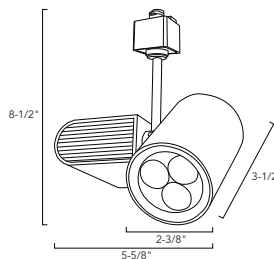
Order Example: NTE-810L42F15B - 15W Pillar LED Track Fixture, 4200 Kelvin Temperature, 30° Flood Beam Spread, Black Finish (H-Style)

# Robo Cylinder 9W LED Track Fixture

## Robo Cylinder LED Track Fixture

NTE-820L Series\* 9W Max

- Features:** Up to 314 lumens and 82 CRI  
**Lamp:** 3 x 3W LED (included)  
**Color Temp:** 3000K Warm White (30), 4200K Cool White (42)  
**Beam Spread:** 30° Beam (F)  
**Finish:** Black (B), White (W)  
**Style:** H-Style, J-Style, L-Style  
**Dimensions:** Width: 5-5/8" Length: 3-1/2"  
 Diameter: 2-3/8" Maximum Extension: 8-1/2"  
**Adjustability:** 345° Rotation. Both driver and diode castings pivot 180° independent of each other  
**Electrical:** 120V non-dimmable  
**Warranty:** Three year Limited Warranty



### \*How to specify Robo Cylinder LED Track Fixture

| NTE-820 | L            | 42                       | F            | 9       | W                      |   |
|---------|--------------|--------------------------|--------------|---------|------------------------|---|
| SERIES  | LIGHT SOURCE | COLOR TEMP.              | BEAM SPREAD  | WATTAGE | FINISH                 | STYLE   |
| NTE-820 | L = LED      | 30 = 3000K<br>42 = 4200K | F = 30° Beam | 9 = 9W  | B = Black<br>W = White | (blank) = H-Style<br>/J = J-Style<br>/L = L-Style |

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

# LINE VOLTAGE TRACK LED GU10 & PAR Fixtures

Now available with  
H, J and L-style adapters



## Metro™

|                         |         |                   |
|-------------------------|---------|-------------------|
| NTH-619(finish)(lamp)   | H-Style | LED lamp included |
| NTH-619(finish)(lamp)/J | J-Style | LED lamp included |
| NTH-619(finish)(lamp)/L | L-Style | LED lamp included |

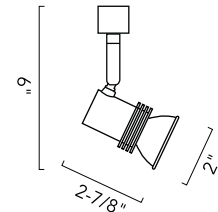
**Lamp:** E10 - LED 4.5W 3000K GU10 200 Lumens, 25°

**Finish:** S - Silver

**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

\* Dimmable



## Italia™

|                         |         |                   |
|-------------------------|---------|-------------------|
| NTH-618(finish)(lamp)   | H-Style | LED lamp included |
| NTH-618(finish)(lamp)/J | J-Style | LED lamp included |
| NTH-618(finish)(lamp)/L | L-Style | LED lamp included |

**Lamp:** H10\* - LED 3W 2700K GU10 165 Lumens, 22°

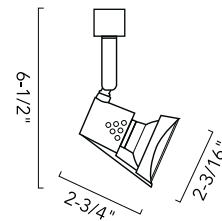
E10 - LED 4.5W 3000K GU10 200 Lumens, 25°

**Finish:** S - Silver

**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

\* Dimmable



## Belgium™ PAR30 Front Load Die-Cast Gimbal

|                         |         |                   |
|-------------------------|---------|-------------------|
| NTH-132(finish)(lamp)   | H-Style | LED lamp included |
| NTH-132(finish)(lamp)/J | J-Style | LED lamp included |
| NTH-132(finish)(lamp)/L | L-Style | LED lamp included |

**Feature:** Architectural die-cast construction

**Lamp:** E30\* - LED 12W 2700K PAR30 740 Lumens, 20°

E31\* - LED 12W 3000K PAR30 750 Lumens, 20°

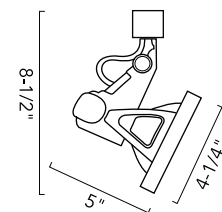
E32\* - LED 12W 2700K PAR30 740 Lumens, 35°

E33\* - LED 12W 3000K PAR30 750 Lumens, 35°

**Finish:** B - Black; S - Silver; W - White

**Dimensions:** Length: 5" Dia.: 4-1/4" Max Ext.: 8-1/2"

\* Dimmable



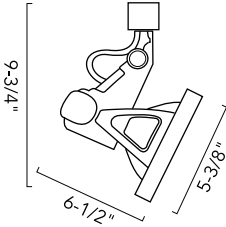
Fixtures above include specified LED lamps. See page 65 for lamp specifications.

Order Example: NTH-132BE33/J - Belgium PAR30 J-Style Track Fixture, Black with 12W 3000K PAR30 35 Degree Beam Spread LED Lamp



Now available with  
H, J and L-style adapters

LINE VOLTAGE TRACK  
LED PAR Fixtures continued



\* Dimmable

Belgium™ PAR38 Front Load Die-Cast Gimbal

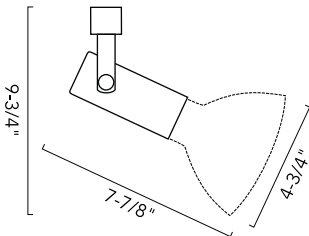
|                         |         |                   |
|-------------------------|---------|-------------------|
| NTH-133(finish)(lamp)   | H-Style | LED lamp included |
| NTH-133(finish)(lamp)/J | J-Style | LED lamp included |
| NTH-133(finish)(lamp)/L | L-Style | LED lamp included |

**Feature:** Architectural die-cast construction

**Lamp:** E80\* - LED 20W 2700K PAR38 1000 Lumens, 15°  
E81\* - LED 20W 3000K PAR38 1100 Lumens, 15°  
E82\* - LED 20W 2700K PAR38 1000 Lumens, 25°  
E83\* - LED 20W 3000K PAR38 1100 Lumens, 25°  
E84\* - LED 20W 2700K PAR38 1000 Lumens, 40°  
E85\* - LED 20W 3000K PAR38 1100 Lumens, 40°  
E86 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 15°  
E87 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 25°  
E88 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 40°

**Finish:** B - Black; S - Silver; W - White

**Dimensions:** Length: 6-1/2" Dia.: 5-3/8" Max Ext.: 9-3/4"



**Finish:** B - Black  
N - Natural Metal  
W - White

**Dimensions:** Length: 7-7/8"  
Dia.: 4-3/4"  
Max Ext.: 9-3/4"

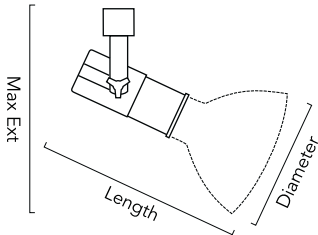
\* Dimmable

Universal Lamp Holder

|                         |         |                   |
|-------------------------|---------|-------------------|
| NTH-109(finish)(lamp)   | H-Style | LED lamp included |
| NTH-109(finish)(lamp)/J | J-Style | LED lamp included |
| NTH-109(finish)(lamp)/L | L-Style | LED lamp included |

**Feature:** Adjustable socket

**Lamp:** E20\* - LED 7W 2700K PAR20 300 Lumens, 20°  
E21\* - LED 7W 3000K PAR20 300 Lumens, 20°  
E30\* - LED 12W 2700K PAR30 740 Lumens, 20°  
E31\* - LED 12W 3000K PAR30 750 Lumens, 20°  
E32\* - LED 12W 2700K PAR30 740 Lumens, 35°  
E33\* - LED 12W 3000K PAR30 750 Lumens, 35°  
E80\* - LED 20W 2700K PAR38 1000 Lumens, 15°  
E81\* - LED 20W 3000K PAR38 1100 Lumens, 15°  
E82\* - LED 20W 2700K PAR38 1000 Lumens, 25°  
E83\* - LED 20W 3000K PAR38 1100 Lumens, 25°  
E84\* - LED 20W 2700K PAR38 1000 Lumens, 40°  
E85\* - LED 20W 3000K PAR38 1100 Lumens, 40°  
E86 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 15°  
E87 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 25°  
E88 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 40°



**Finish:** B - Black  
W - White

**Dimensions:** Length: 7-7/8"  
Dia.: 4-3/4"  
Max Ext.: 9-3/4"

\* Dimmable

Truly Universal™ PAR Holder with Retractable Shroud

|                         |         |                   |
|-------------------------|---------|-------------------|
| NTH-138(finish)(lamp)   | H-Style | LED lamp included |
| NTH-138(finish)(lamp)/J | J-Style | LED lamp included |
| NTH-138(finish)(lamp)/L | L-Style | LED lamp included |

**Lamp:** E20\* - LED 7W 2700K PAR20 300 Lumens, 20°  
E21\* - LED 7W 3000K PAR20 300 Lumens, 20°  
E30\* - LED 12W 2700K PAR30 740 Lumens, 20°  
E31\* - LED 12W 3000K PAR30 750 Lumens, 20°  
E32\* - LED 12W 2700K PAR30 740 Lumens, 35°  
E33\* - LED 12W 3000K PAR30 750 Lumens, 35°  
E80\* - LED 20W 2700K PAR38 1000 Lumens, 15°  
E81\* - LED 20W 3000K PAR38 1100 Lumens, 15°  
E82\* - LED 20W 2700K PAR38 1000 Lumens, 25°  
E83\* - LED 20W 3000K PAR38 1100 Lumens, 25°  
E84\* - LED 20W 2700K PAR38 1000 Lumens, 40°  
E85\* - LED 20W 3000K PAR38 1100 Lumens, 40°  
E86 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 15°  
E87 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 25°  
E88 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 40°



Fixtures above include specified LED lamps. See page 65 for lamp specifications.

LINE VOLTAGE TRACK  
LED PAR Fixtures continued

Now available with  
H, J and L-style adapters



Line Voltage Gimbal Ring PAR20

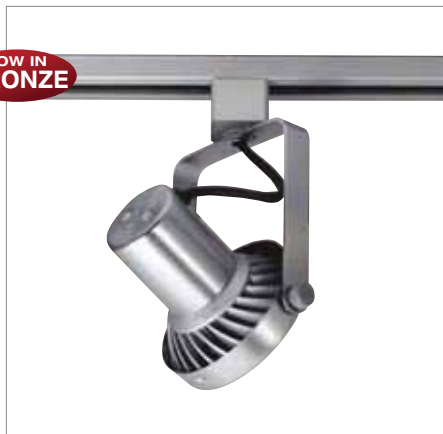
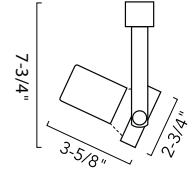
|                         |         |                   |
|-------------------------|---------|-------------------|
| NTH-112(finish)(lamp)   | H-Style | LED lamp included |
| NTH-112(finish)(lamp)/J | J-Style | LED lamp included |
| NTH-112(finish)(lamp)/L | L-Style | LED lamp included |

Lamp: E20\* - LED 7W 2700K PAR20 300 Lumens, 20°  
E21\* - LED 7W 3000K PAR20 300 Lumens, 20°

Finish: B - Black  
N - Natural Metal  
W - White

Dimensions: Length: 3-5/8" Dia.: 2-3/4" Max Ext.: 7-3/4"

\* Dimmable



Line Voltage Gimbal Ring PAR30

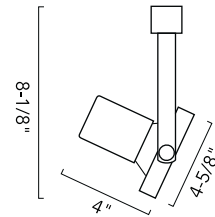
|                         |         |                   |
|-------------------------|---------|-------------------|
| NTH-107 (finish)(lamp)  | H-Style | LED lamp included |
| NTH-107(finish)(lamp)/J | J-Style | LED lamp included |
| NTH-107(finish)(lamp)/L | L-Style | LED lamp included |

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

Finish: B - Black  
BZ - Bronze  
N - Natural Metal  
W - White

Dimensions: Length: 4" Dia.: 4-5/8" Max Ext.: 8-1/8"

\* Dimmable



Line Voltage Gimbal Ring PAR38

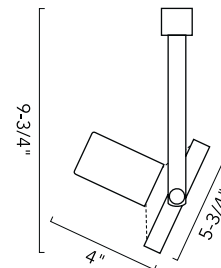
|                         |         |                   |
|-------------------------|---------|-------------------|
| NTH-108(finish)(lamp)   | H-Style | LED lamp included |
| NTH-108(finish)(lamp)/J | J-Style | LED lamp included |
| NTH-108(finish)(lamp)/L | L-Style | LED lamp included |

Lamp: E80\* - LED 20W 2700K PAR38 1000 Lumens, 15°  
E81\* - LED 20W 3000K PAR38 1100 Lumens, 15°  
E82\* - LED 20W 2700K PAR38 1000 Lumens, 25°  
E83\* - LED 20W 3000K PAR38 1100 Lumens, 25°  
E84\* - LED 20W 2700K PAR38 1000 Lumens, 40°  
E85\* - LED 20W 3000K PAR38 1100 Lumens, 40°  
E86 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 15°  
E87 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 25°  
E88 - LED 17W 3000K PAR38 Low Glare 820 Lumens, 40°

Finish: B - Black, BZ - Bronze, N - Natural Metal, W - White

Dimensions: Length: 4" Dia.: 5-3/4" Max Ext.: 9-3/4"

\* Dimmable



Above fixtures include specified LED lamps. See page 65 for lamp specifications.



# Track and Rail LED LAMP CHART

Lamps below are Energy Star and cULus Listed

| ORDER SUUFIX                | LAMP TYPE        | KELVIN | WATTS | LUMENS | BEAM ANGLE | CBCP | CRI | RATED LIFE | DIMMABLE | NORA MODEL NUMBER LAMP ONLY |
|-----------------------------|------------------|--------|-------|--------|------------|------|-----|------------|----------|-----------------------------|
| <b>LED 120V GU10/MR16</b>   |                  |        |       |        |            |      |     |            |          |                             |
| H10                         | GU10/MR16        | 2700   | 3     | 165    | 22         | 550  | 90  | 25K        | Yes      | 3G10LEDH22D27S              |
| E10                         | GU10/MR16        | 3000   | 4.5   | 200    | 25         | 800  | 82  | 25K        | NO       | 5G10LEDE25-30S              |
| <b>LED PAR 20</b>           |                  |        |       |        |            |      |     |            |          |                             |
| E20                         | PAR 20           | 2700   | 7     | 300    | 20         | 1900 | 83  | 25K        | Yes      | 7P20LEDE20D27S              |
| E21                         | PAR 20           | 3000   | 7     | 300    | 20         | 2070 | 80  | 25K        | Yes      | 7P20LEDE20D30S              |
| <b>LED PAR 30</b>           |                  |        |       |        |            |      |     |            |          |                             |
| E30                         | PAR30 Short Neck | 2700   | 12    | 740    | 20         | 5000 | 83  | 25K        | Yes      | 12P30LEDE20D27S             |
| E31                         | PAR30 Short Neck | 3000   | 12    | 750    | 20         | 5100 | 84  | 25K        | Yes      | 12P30LEDE20D30S             |
| E32                         | PAR30 Short Neck | 2700   | 12    | 740    | 35         | 2000 | 83  | 25K        | Yes      | 12P30LEDE35D27S             |
| E33                         | PAR30 Short Neck | 3000   | 12    | 750    | 35         | 2050 | 84  | 25K        | Yes      | 12P30LEDE35D30S             |
| <b>LED PAR 38</b>           |                  |        |       |        |            |      |     |            |          |                             |
| E80                         | PAR38            | 2700   | 20    | 1000   | 15         | 8500 | 80  | 25K        | Yes      | 20P38LEDE15D27S             |
| E81                         | PAR38            | 3000   | 20    | 1100   | 15         | 9000 | 80  | 25K        | Yes      | 20P38LEDE15D30S             |
| E82                         | PAR38            | 2700   | 20    | 1000   | 25         | 3700 | 80  | 25K        | Yes      | 20P38LEDE25D27S             |
| E83                         | PAR38            | 3000   | 20    | 1100   | 25         | 4000 | 80  | 25K        | Yes      | 20P38LEDE25D30S             |
| E84                         | PAR38            | 2700   | 20    | 1000   | 40         | 1700 | 80  | 25K        | Yes      | 20P38LEDE40D27S             |
| E85                         | PAR38            | 3000   | 20    | 1100   | 40         | 1800 | 80  | 25K        | Yes      | 20P38LEDE40D30S             |
| <b>LED PAR 38 LOW GLARE</b> |                  |        |       |        |            |      |     |            |          |                             |
| E86                         | PAR38 Low-Glare  | 3000   | 17    | 820    | 15         | 9000 | 82  | 50K        | No       | 17P38LEDE15-30S             |
| E87                         | PAR38 Low-Glare  | 3000   | 17    | 820    | 25         | 4500 | 87  | 50K        | No       | 17P38LEDE25-30S             |
| E88                         | PAR38 Low-Glare  | 3000   | 17    | 820    | 40         | 1550 | 87  | 50K        | No       | 17P38LEDE40-30S             |





## The Nora Lighting family of

# NORA

Award winning Nora Rail is the premiere Line Voltage Rail System in the marketplace, featuring all the lamping dynamics of conventional track with the curve appeal of low voltage rail. And since Nora Rail is a line voltage system it does not limit the user to single source of light or other limitations found in similar looking low voltage systems. Our large assortment of finely detailed, die-cast fixtures are complimented by an array of beautiful glass pendants. The capabilities are endless.

## FEATURES

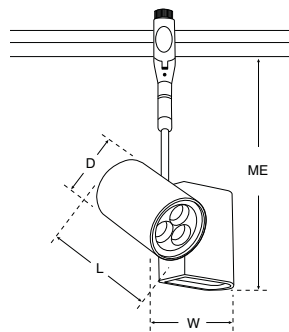
- New Integral LED Rail Heads
- New Rail heads which include GU10 or PAR LED lamps
- New Economy Gimbal and Universal Rail Heads
- Line voltage
- No transformer for system
- No voltage drop
- Design longer runs
- Accommodates 2400 watts on a single run from a single power point.
- Easily accepts line voltage LED Lamping.
- Utilizes line voltage, low voltage, high-output fluorescent, metal halide and LED fixtures simultaneously on the same line voltage system if desired.
- cU.L.us listed for 20 amps
- Field bendable to a 2ft. diameter circle
- Field cut-able
- Easier to design
- Telescoping supports for easy in the field leveling
- Simpler and faster to install
- No expensive dimming controls
- Available in Brushed Nickel, Bronze or Silver finishes
- cULus Listed

# Robo Cylinder 9W LED Rail Fixtures

## Robo Cylinder LED Rail Fixture

**NRE-820L Series\*** 9W Max

**Lamp:** 3 x 3W LED (included)  
**Color Temp:** 3000K Warm White (30), 4200K Cool White (42)  
**Beam Spread:** 30° Beam (F)  
**Finish:** Brushed Nickel (BN), Bronze (BZ), Silver (S)  
**Dimensions:** W: 5-5/8" L: 3-1/2" D: 2-3/8" Max Ext.: 8-1/2"  
**Adjustability:** 345° Rotation. Both driver and diode castings pivot 180° independent of each other  
**Electrical:** 120V non-dimmable  
**Listing:** cULus Listed



### \*How to specify Robo Cylinder LED RAIL Fixture

| NTE-820 | L            | 30                       | F            | 9       | BN   |   |
|---------|--------------|--------------------------|--------------|---------|--|---|
| SERIES  | LIGHT SOURCE | COLOR TEMP.              | BEAM SPREAD  | WATTAGE | FINISH   | STYLE   |
| NRE-820 | L = LED      | 30 = 3000K<br>42 = 4200K | F = 30° Beam | 9 = 9W  | BN = Brushed Nickel<br>BZ = Bronze<br>S = Silver | (blank) = H-Style<br>/J = J-Style<br>/L = L-Style |

Order Example: NRE-820L30F9BN - 9W Robo Cylinder LED Rail Fixture, 3000 Kelvin Temperature, 30° Beam Spread, Brushed Nickel Finish (H-Style)

# NORA RAIL LED GU10 Fixtures



## Sienna with Ring

**NRS11-103(finish)(lamp)** LED lamp included

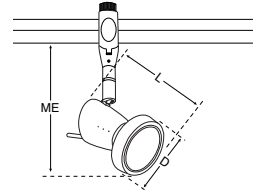
**Lamp:** **H10\*** - LED 3W 2700K GU10 165 Lumens, 22°  
**E10** - LED 4.5W 3000K GU10 200 Lumens, 25°

**Finish:** **BN** - Brushed Nickel  
**BZ** - Bronze  
**S** - Silver

**Dimensions:** Length: 4" Dia.: 2-5/16" Max Ext.: 5-3/4"

**Mobility:** 345° Rotation, 90° Pivoting Head

\* Dimmable



## Neat

**NRS11-104(finish)(lamp)** LED lamp included

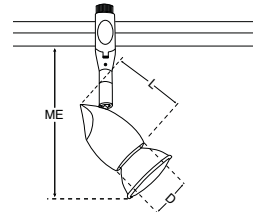
**Lamp:** **H10\*** - LED 3W 2700K GU10 165 Lumens, 22°  
**E10** - LED 4.5W 3000K GU10 200 Lumens, 25°

**Finish:** **BN** - Brushed Nickel  
**BZ** - Bronze  
**S** - Silver

**Dimensions:** Length: 2-3/8" Dia.: 1-1/2" Max Ext.: 4-5/8"

**Mobility:** 345° Rotation, 90° Pivoting Head

\* Dimmable



## Ives Gooseneck

**NRS11-302(finish)(lamp)** LED lamp included

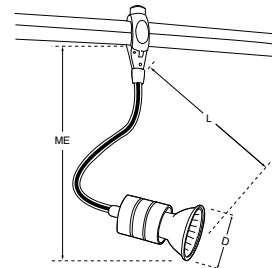
**Lamp:** **H10\*** - LED 3W 2700K GU10 165 Lumens, 22°  
**E10** - LED 4.5W 3000K GU10 200 Lumens, 25°

**Finish:** **BN** - Brushed Nickel  
**BZ** - Bronze  
**S** - Silver

**Dimensions:** Length: 1-5/8" Dia.: 1-3/8" Max Ext.: 12"

**Mobility:** Flex can move in all direction

\* Dimmable



## Fili Display

**NRS11-310(finish)(lamp)** LED lamp included

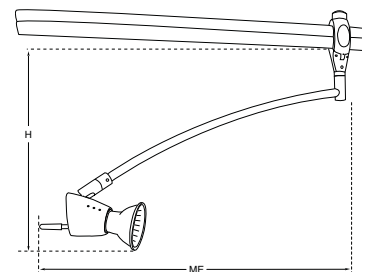
**Lamp:** **H10\*** - LED 3W 2700K GU10 165 Lumens, 22°  
**E10** - LED 4.5W 3000K GU10 200 Lumens, 25°

**Finish:** **BN** - Brushed Nickel  
**BZ** - Bronze  
**S** - Silver

**Dimensions:** Height: 7" Max Ext.: 16"

**Mobility:** 345° Rotation, 90° Pivoting Head

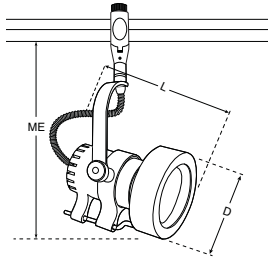
\* Dimmable



Above fixtures include specified LED lamps. See Page 65 for Lamp Specifications.



# NORA RAIL LED PAR Fixtures



## PAR20 Ulysses

**NRS18-122(finish)(lamp)** LED lamp included

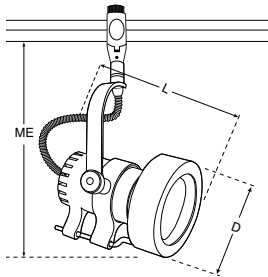
**Lamp:** **E20\*** - 7W 2700K PAR20 300 Lumens, 20°  
**E21\*** - 7W 3000K PAR20 300 Lumens, 20°

**Finish:** **BN** - Brushed Nickel  
**BZ** - Bronze  
**S** - Silver

**Dimensions:** Length: 4-3/4" Dia.: 3-9/16" Max Ext.: 8-3/4"

**Mobility:** 345° Rotation, 90° Pivoting Head

\* Dimmable



## PAR30 Ulysses

**NRS18-123(finish)(lamp)** LED lamp included

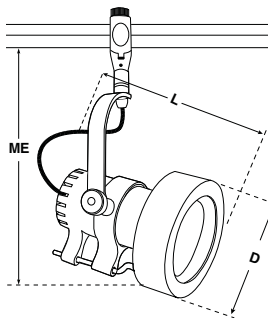
**Lamp:** **E30\*** - LED 12W 2700K PAR30 740 Lumens, 20°  
**E31\*** - LED 12W 3000K PAR30 750 Lumens, 20°  
**E32\*** - LED 12W 2700K PAR30 740 Lumens, 35°  
**E33\*** - LED 12W 3000K PAR30 750 Lumens, 35°

**Finish:** **BN** - Brushed Nickel, **BZ** - Bronze, **S** - Silver

**Dimensions:** Length: 5-1/2" Dia.: 4-3/4" Max Ext.: 9-3/4"

**Mobility:** 345° Rotation, 90° Pivoting Head

\* Dimmable



## PAR38 Ulysses

**NRS18-128(finish)(lamp)** LED lamp included

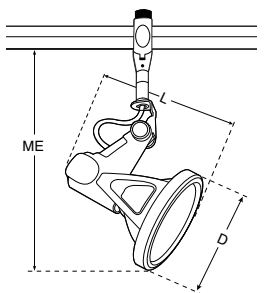
**Lamp:** **E80\*** - LED 20W 2700K PAR38 1000 Lumens, 15°  
**E81\*** - LED 20W 3000K PAR38 1100 Lumens, 15°  
**E82\*** - LED 20W 2700K PAR38 1000 Lumens, 25°  
**E83\*** - LED 20W 3000K PAR38 1100 Lumens, 25°  
**E84\*** - LED 20W 2700K PAR38 1000 Lumens, 40°  
**E85\*** - LED 20W 3000K PAR38 1100 Lumens, 40°  
**E86** - LED 17W 3000K PAR38 Low Glare 820 Lumens, 15°  
**E87** - LED 17W 3000K PAR38 Low Glare 820 Lumens, 25°  
**E88** - LED 17W 3000K PAR38 Low Glare 820 Lumens, 40°

**Finish:** **BN** - Brushed Nickel; **BZ** - Bronze; **S** - Silver

**Dimensions:** Length: 6-3/4" Dia.: 5-3/4" Max Ext.: 11-1/4"

**Mobility:** 345° Rotation, 90° Pivoting Head

\* Dimmable



## PAR30 Belgium

**NRS18-133(finish)(lamp)** LED lamp included

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

**Finish:** **BN** - Brushed Nickel; **BZ** - Bronze; **S** - Silver

**Dimensions:** Length: 5-3/8" Dia.: 4-1/4" Max Ext.: 8-3/4"

**Mobility:** 345° Rotation, 90° Pivoting Head

\* Dimmable



Above fixtures include specified BZ LED lamps. See Page 65 for Lamp Specifications.

# NORA RAIL LED PAR Fixtures continued



## PAR38 Belgium

**NRS18-138(finish)(lamp)** LED lamp included

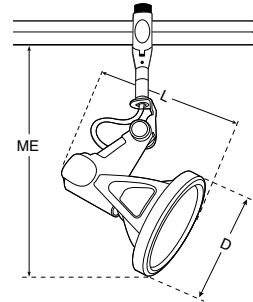
**Lamp:** **E80\*** - LED 20W 2700K PAR38 1000 Lumens, 15°  
**E81\*** - LED 20W 3000K PAR38 1100 Lumens, 15°  
**E82\*** - LED 20W 2700K PAR38 1000 Lumens, 25°  
**E83\*** - LED 20W 3000K PAR38 1100 Lumens, 25°  
**E84\*** - LED 20W 2700K PAR38 1000 Lumens, 40°  
**E85\*** - LED 20W 3000K PAR38 1100 Lumens, 40°

**Finish:** **BN** - Brushed Nickel, **BZ** - Bronze, **S** - Silver

**Dimensions:** Length: 6-1/2" Dia.: 5-3/8" Max Ext.: 9-3/4"

**Mobility:** 345° Rotation, 90° Pivoting Head

\* Dimmable



## Gimbal Ring PAR20

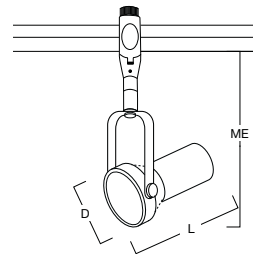
**NRS12-112(finish)(lamp)** LED lamp included

**Lamp:** **E20\*** - LED 7W 2700K PAR20 300 Lumens, 20°  
**E21\*** - LED 7W 3000K PAR20 300 Lumens, 20°

**Finish:** **BN** - Brushed Nickel  
**BZB** - Bronze Connector / Black Fixture

**Dimensions:** Length: 3-5/8" Dia.: 2-3/4" Max Ext.: 7-3/4"

\* Dimmable



## Gimbal Ring PAR30

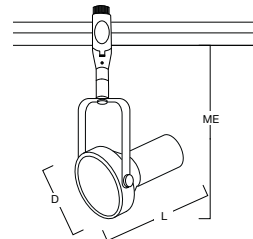
**NRS12-107(finish)(lamp)** LED lamp included

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

**Finish:** **BN** - Brushed Nickel  
**BZB** - Bronze Connector / Black Fixture

**Dimensions:** Length: 4" Dia.: 4-5/8" Max Ext.: 8-1/8"

\* Dimmable



## Gimbal Ring PAR38

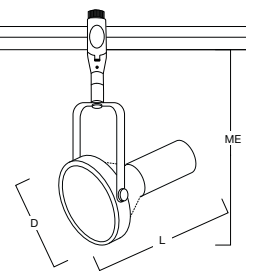
**NRS12-108(finish)(lamp)** LED lamp included

**Lamp:** **E80\*** - LED 20W 2700K PAR38 1000 Lumens, 15°  
**E81\*** - LED 20W 3000K PAR38 1100 Lumens, 15°  
**E82\*** - LED 20W 2700K PAR38 1000 Lumens, 25°  
**E83\*** - LED 20W 3000K PAR38 1100 Lumens, 25°  
**E84\*** - LED 20W 2700K PAR38 1000 Lumens, 40°  
**E85\*** - LED 20W 3000K PAR38 1100 Lumens, 40°  
**E86** - LED 17W 3000K PAR38 Low Glare 820 Lumens, 15°  
**E87** - LED 17W 3000K PAR38 Low Glare 820 Lumens, 25°  
**E88** - LED 17W 3000K PAR38 Low Glare 820 Lumens, 40°

**Finish:** **BN** - Brushed Nickel, **BZB** - Bronze Connector/Black Fixture

**Dimensions:** Length: 4" Dia.: 5-3/4" Max Ext.: 9-3/4"

\* Dimmable

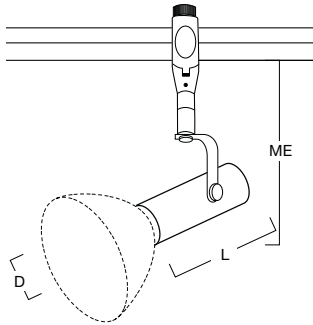


Above fixtures include specified LED lamps. See Page 65 for Lamp Specifications.




NORA RAIL

## LED PAR Fixtures continued



### Universal

**NRS12-109(finish)(lamp)** LED lamp included

- Lamp:**
-  **E20\*** - LED 7W 2700K PAR20 300 Lumens, 20°
  - E21\*** - LED 7W 3000K PAR20 300 Lumens, 20°
  - E30\*** - LED 12W 2700K PAR30 740 Lumens, 20°
  - E31\*** - LED 12W 3000K PAR30 750 Lumens, 20°
  - E32\*** - LED 12W 2700K PAR30 740 Lumens, 35°
  - E33\*** - LED 12W 3000K PAR30 750 Lumens, 35°
  - E80\*** - LED 20W 2700K PAR38 1000 Lumens, 15°
  - E81\*** - LED 20W 3000K PAR38 1100 Lumens, 15°
  - E82\*** - LED 20W 2700K PAR38 1000 Lumens, 25°
  - E83\*** - LED 20W 3000K PAR38 1100 Lumens, 25°
  - E84\*** - LED 20W 2700K PAR38 1000 Lumens, 40°
  - E85\*** - LED 20W 3000K PAR38 1100 Lumens, 40°
  - E86** - LED 17W 3000K PAR38 Low Glare 820 Lumens, 15°
  - E87** - LED 17W 3000K PAR38 Low Glare 820 Lumens, 25°
  - E88** - LED 17W 3000K PAR38 Low Glare 820 Lumens, 40°

**Finish:** **BN** - Brushed Nickel  
**BZB** - Bronze Connector / Black Fixture

**Dimensions:** Length: 7-7/8" Dia.: 4-3/4" Max Ext.: 9-3/4"

**Mobility:** 360° Rotation, Adjustable Socket

\* Dimmable




Order Example: NRS18-109BNE33 - Universal Rail Fixture, Brushed Nickel with 12W 3000K PAR30 35 Degree Beam Spread LED Lamp

NORA RAIL

## LED Specialty Fixture

### Line Voltage Exhibit Display with Slim Canopy

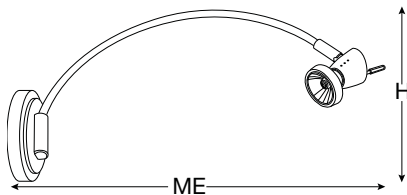
**NRS11-320(finish)(lamp)** LED lamp included

- Lamp:**
-  **H10\*** - LED 3W 2700K GU10 165 Lumens, 22°
  - E10** - LED 4.5W 3000K GU10 200 Lumens, 25°

**Finish:** **BN** - Brushed Nickel; **BZ** - Bronze; **S** - Silver

**Dimensions:** Height: 10" Max Ext.: 17"

\* Dimmable



Above fixtures include specified LED lamps. See Page 65 for Lamp Specifications.

# Saria LED

## Complete Pendant

with colorful glowing glass edge

Nora Lighting's new Saria LED mini-pendant is a dazzling high-style fixture for residential and commercial applications. Featuring a sleek, contemporary design, Saria offers two visual effects - as a 1-watt with a spot downlight or a 3-watt with an even flood downlight. A colorful glowing edge creates visual impact and is available with Blue, Green, Red or White LEDs. Saria features 3000K CCT downlight and, as with all LED fixtures, is cool to the touch - there is no projected forward heat or UV.

### FEATURES

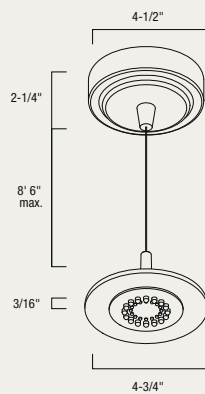
- **Two distinct visual effects** - 1-watt LED with multiple modules create a soft spot downlight glow; or a 3-watt LED source including (3) one-watt LED modules that produce an even flood of concentrated light without glare.
- **Four glowing LED edge colors** - Available in Blue, Green, Red or White.
- **LED Driver** mounted in canopy or track mount



#### Saria 1W 3000K LED Pendant with Glowing Glass Edge and Monopoint Mount

|                      |                |        |
|----------------------|----------------|--------|
| <b>NCE-830LBU1BN</b> | Blue Edge-Lit  | 1W LED |
| <b>NCE-830LGR1BN</b> | Green Edge-Lit | 1W LED |
| <b>NCE-830LR1BN</b>  | Red Edge-Lit   | 1W LED |
| <b>NCE-830LW1BN</b>  | White Edge-Lit | 1W LED |

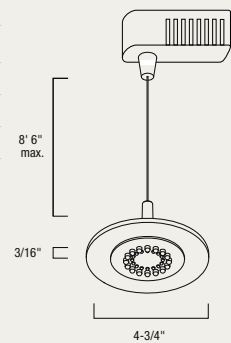
**Lamp:** Multiple LED modules with total load of 1W  
**LED Color:** Blue (BU), Green (GR), Red (R), White (W)  
**Finish:** Brushed Nickel (BN)  
**Canopy:** Includes integral LED driver  
**Dimensions:** Glass Dia: 4-3/4" (121mm)  
 Glass Depth: 3/16" (5mm)  
 Cord: 8' 6" (259cm), field adjustable to any length



#### Saria 1W 3000K LED Pendant with Glowing Glass Edge and Track Mount

|                          |                |        |
|--------------------------|----------------|--------|
| <b>NTE-830LBU1BN(AF)</b> | Blue Edge-Lit  | 1W LED |
| <b>NTE-830LGR1BN(AF)</b> | Green Edge-Lit | 1W LED |
| <b>NTE-830LR1BN(AF)</b>  | Red Edge-Lit   | 1W LED |
| <b>NTE-830LW1BN(AF)</b>  | White Edge-Lit | 1W LED |

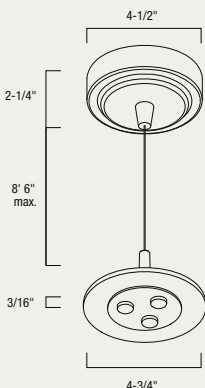
**Lamp:** Multiple LED modules with total load of 1W  
**LED Color:** Blue (BU), Green (GR), Red (R), White (W)  
**Finish:** Brushed Nickel (BN)  
**Adapter Finish (AF):** Black (B), Silver (S), White (W)  
**Track Mount:** Includes integral LED driver  
**Dimensions:** Glass Dia: 4-3/4" (121mm)  
 Glass Depth: 3/16" (5mm)  
 Cord: 8' 6" (259cm), field adjustable



#### Saria 3W 3000K LED Pendant with Glowing Glass Edge and Monopoint Mount

|                      |                |        |
|----------------------|----------------|--------|
| <b>NCE-830LBU3BN</b> | Blue Edge-Lit  | 3W LED |
| <b>NCE-830LGR3BN</b> | Green Edge-Lit | 3W LED |
| <b>NCE-830LR3BN</b>  | Red Edge-Lit   | 3W LED |
| <b>NCE-830LW3BN</b>  | White Edge-Lit | 3W LED |

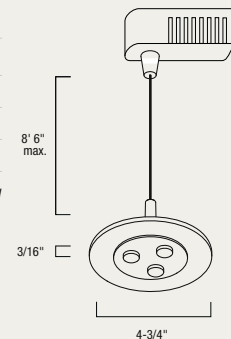
**Lamp:** (3) 1W LED modules for a total load of 3W  
**LED Color:** Blue (BU), Green (GR), Red (R), White (W)  
**Finish:** Brushed Nickel (BN)  
**Canopy:** Includes integral LED driver  
**Dimensions:** Glass Dia: 4-3/4" (121mm)  
 Glass Depth: 3/16" (5mm)  
 Cord: 8' 6" (259cm), field adjustable to any length



#### Saria 3W 3000K LED Pendant with Glowing Glass Edge and Track Mount

|                          |                |        |
|--------------------------|----------------|--------|
| <b>NTE-830LBU3BN(AF)</b> | Blue Edge-Lit  | 3W LED |
| <b>NTE-830LGR3BN(AF)</b> | Green Edge-Lit | 3W LED |
| <b>NTE-830LR3BN(AF)</b>  | Red Edge-Lit   | 3W LED |
| <b>NTE-830LW3BN(AF)</b>  | White Edge-Lit | 3W LED |

**Lamp:** (3) 1W LED modules for a total load of 3W  
**LED Color:** Blue (BU), Green (GR), Red (R), White (W)  
**Finish:** Brushed Nickel (BN)  
**Adapter Finish (AF):** Black (B), Silver (S), White (W)  
**Track Mount:** Includes integral LED driver  
**Dimensions:** Glass Dia: 4-3/4" (121mm)  
 Glass Depth: 3/16" (5mm)  
 Cord: 8' 6" (259cm), field adjustable







Shown with  
NRS80-421AQ  
Petals Italian Glass

# 10W LED Pendant for Decorative Glass

Nora's new High Lumen 10 watt LED pendant is compatible with over 100 Nora glass shades. Uniquely designed to light the glass as well as providing usable down light, the LED module features an architectural die-cast aluminum heat sink. The dimmable driver is mounted in the canopy. Energy savings has never been so beautiful.

## FEATURES

- Dimmable driver mounted in canopy
- 520 Lumens using 10 Watts
- 3500K, 80+ CRI using Nichia® LEDs
- Designer heat sink for excellent heat management
- Frosted glass shield evenly distributes the light
- 8.5' field adjustable cord
- Brushed Nickel (BN) or Bronze (BZ)
- Over 100 compatible Nora glass shades

### 10W 3500K LED Pendant Assembly

**NRS92-P42/35(finish)** Canopy Mount

**NTE-164/30(finish)(adapter finish)** Track Mount

**NRS72-453/30(finish)** Rail Mount

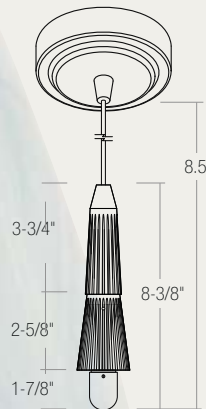
**Lamp:** Multiple LED modules with total load of 1W

**Finish:** Brushed Nickel (BN), Bronze (BZ)

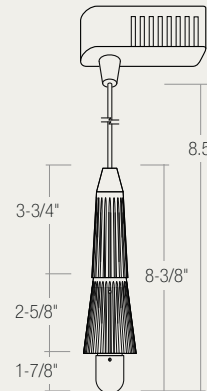
**Track Adapter Finish:** Black (B), Silver (S), White (W)

**Mount:** Includes integral LED driver

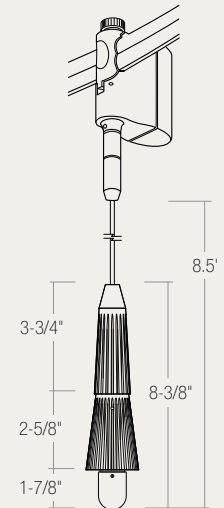
**Dimensions:** Heat Sink: 3-3/4" (95mm)  
Counter Sink: 2-5/8" (67mm)  
Cord: 8' 6" (259cm), field adjustable



Canopy Mount



Track Mount



Rail Mount

## Coming Soon! Watch for these New Products from Nora

Consult factory for release dates.



LED High Lumen  
Commercial Downlights  
4", 6" & 8" up to 3000 Lumens



LED High Lumen  
Diamond Series Downlights  
4", 5" & 6" Reflector and  
Adjustable up to 2000 Lumens



LED High Lumen  
Track Fixtures  
Unis 25 watt LED fixture



LED High Lumen  
Track Fixtures  
Ada 13 watt LED fixture



LED High Lumen  
Track Fixtures  
Nadia 25 watt LED fixture

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