



High-performance LED downlight module for use with RAB new construction rough-in. Microprismatic diffusion lens optimizes lumen output and delivers smooth, uniform illumination that enhances any space.

Color: Matte silver cone white trim

Weight: 2.0 lbs

|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| Driver Info  |               | LED Info        |             |
|--------------|---------------|-----------------|-------------|
| Type:        | See Rough-in* | Watts:          | 20W or 26W* |
| 120V:        | See Rough-in* | Color Temp:     | 4000K       |
| 208V:        | See Rough-in* | Color Accuracy: | 90 CRI      |
| 240V:        | See Rough-in* | L70 Lifespan:   | 100000      |
| 277V:        | See Rough-in* | Lumens:         | 20W:1649*   |
| Input Watts: | See Rough-in* |                 | 26W:2178*   |
| Efficiency:  | N/A           | Efficacy:       | N/A         |

## Technical Specifications

### Listings

#### UL Listed:

Suitable for wet locations covered ceiling.

#### ENERGY STAR:

This product is ENERGY STAR® qualified.

### Optical

#### Photometrics:

Photometrics are based on prorated reports. Contact the RAB Lighting Design department for the most up-to-date data.

#### Optics:

80° beam spread with specular thermoplastic optics and Nanostructure lens technology for smooth light output and high efficiency.

### Construction

#### Trim Component:

This component must be ordered with New Construction Square Rough-In in order to make a complete fixture.

#### Housing:

Professional-grade, die-cast aluminum construction.

#### Trim Ring:

White powder coated die cast trim ring.

#### Trim Cone:

Matte silver square trim cone.

#### Drop Ceiling Installation:

NDLED can be installed in drop ceiling tiles when using optional c-channel bars and following local construction codes.

#### Aperture Size:

6" Trim Module.

#### Easy Installation:

The EZ-Connector makes installation easy.

#### Junction Box:

Integral junction box with wiring capacity for Min 90°C supply conductors  
4 in 4 out

### Electrical

#### Dimming:

Dimmable. Requires rough-in with dimming driver.

#### Dimming Driver:

0 - 10V (at 120-277V), TRIAC and ELV (at 120V only).

### Other

#### Air Tight:

Housing certified Air Tight as per ASTM E283

#### California Title 24:

NDLED6S complies with 2013 California Title 24 building and electrical codes as a residential indoor fixture and commercial indoor fixture for general spaces.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

### LED Characteristics

#### Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

## Dimensions



## Features

- Butterfly bracket allows mounting with bar stock, "C" channel, 1/2" conduit or nailer bars
- Low-profile design allows for installation in ceilings with limited space
- Absolute White 3-step consistency and black body accurate
- Nanostructure lens eliminates "hot spots" providing smooth and efficient light
- Available with 82 or 92 CRI

## Ordering Matrix

| Family | Size   | Shape      | Driver                | Beam Spread                             | Color Temp  | CRI                           | Cone Color   | Trim Color                           |
|--------|--------|------------|-----------------------|---|---|-------------------------------|--|--------------------------------------|
| NDLED  | 6      | S          | D                     | 80                                      | N   | HC                            | M  | W                                    |
|        | 6 = 6" | S = Square | D = Universal Dimming | 50 = 50°<br>80 = 80°<br>W = Wall Washer | YY = 2700K (Residential Warm)<br>Y = 3000K (Warm)<br>YN = 3500K (Warm Neutral)<br>N = 4000K (Neutral) | Blank = 82 CRI<br>HC = 92 CRI | S = Silver<br>M = Matte Silver<br>W = White<br>B = Black | S = Silver<br>W = White<br>B = Black |