



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: Black cone white trim

Weight: 2.0 lbs

| | |
|---------------------|--------------|
| Project: | Type: |
| Prepared By: | Date: |

| Driver Info | | LED Info | |
|--------------|---------------|-----------------|-------------|
| Type: | See Rough-in* | Watts: | 20W or 26W* |
| 120V: | See Rough-in* | Color Temp: | 3000K |
| 208V: | See Rough-in* | Color Accuracy: | 90 CRI |
| 240V: | See Rough-in* | L70 Lifespan: | 100000 |
| 277V: | See Rough-in* | Lumens: | 20W:1138* |
| Input Watts: | See Rough-in* | | 26W:1503* |
| Efficiency: | N/A | Efficacy: | N/A |

Technical Specifications

Listings

UL Listed:

Suitable for wet locations covered ceiling.

Optical

Photometrics:

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

Optics:

50° 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:

Black 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 | 50 | Y | HC | B | W |
| | 6 = 6" | S = Square | D = Universal Dimming | 50 = 50° 80 = 80° W = Wall Washer | YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral) N = 4000K (Neutral) | Blank = 82 CRI HC = 92 CRI | S = Silver M = Matte Silver W = White B = Black | S = Silver W = White B = Black |