# NDLED6SD-80YY-W-B





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

Color: White cone black trim Weight: 2.0 lbs

| Project:     | Туре: |
|--------------|-------|
| Prepared By: | Date: |

| Driver Info  |               | LED Info        |             |
|--------------|---------------|-----------------|-------------|
| Type:        | See Rough-in* | Watts:          | 20W or 26W* |
| 120V:        | See Rough-in* | Color Temp:     | 2700K       |
| 208V:        | See Rough-in* | Color Accuracy: | 80 CRI      |
| 240V:        | See Rough-in* | L70 Lifespan:   | 100000      |
| 277V:        | See Rough-in* | Lumens:         | 20W:1585*   |
| Input Watts: | See Rough-in* |                 | 26W:2094*   |
| 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 upto-date data.

### Optics:

80° beam spread with specular thermoplasic 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:

Black powder coated die cast trim ring.

#### Trim Cone:

White 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.

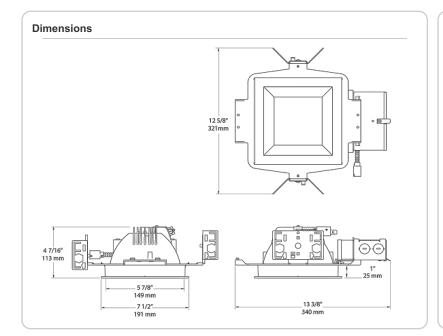
## **LED Characteristics**

## Color Consistency:

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

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