# RDLED2AR8-40YN-TB





Adjustable lens enables directional lighting for wall washing or accent lighting. Available in flush trim for a trimless look without the mess left behind from ceiling finishing work.

Color: Black trim Weight: 1.8 lbs

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

|                  | LED Info                         |  |
|------------------|----------------------------------|--|
| Constant Current | Watts:                           | 8W   |
| 0.08A            | Color Temp:                      | 3500K  |
| N/A              | Color Accuracy:                  | 82 CRI   |
| N/A              | L70 Lifespan:                    | 100000   |
| N/A              | Lumens:                          | 759  |
| 8W               | Efficacy:                        | 91 LPW   |
| 96%              |                                  |  |
|                  |                                  |  |
|                  | 0.08A<br>N/A<br>N/A<br>N/A<br>8W | Constant Current Watts: 0.08A Color Temp: N/A Color Accuracy: N/A L70 Lifespan: N/A Lumens: 8W Efficacy: |

# **Technical Specifications**

## Listings

#### **UL Listing:**

Suitable for wet locations in a covered ceiling

#### **ENERGY STAR® V2.0:**

This product is ENERGY STAR® Version 2.0 Certified.

## IESNA LM79 & LM-80 Testing:

RAB LED luminaries have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

#### Construction

#### IC Rating:

Suitable for direct contact with insulation

#### **Trim Component:**

This component can be ordered with New Construction housing in order to make a complete fixture.

# **Maximum Ambient Temperature:**

Suitable for use in 104°F (40°C) ambient temperatures

## **Cold Weather Starting:**

The minimum starting temperature is -40°F/-40°C

#### Lens

Polycarbonate diffusion lens for smooth light output.

#### Junction Box:

Integral junction box with wiring capacity for Min 60°C supply conductors End of Run

#### Housing:

Specification-grade, die-cast aluminum construction

#### Installation:

Torsion springs easily install into ceiling collar (remodeler) or rough-in (new construction)

#### Trim Ring:

Black powder coated die cast 1/2" trim ring.

# Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

# Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

#### **LED Characteristics**

# LEDs:

Long-life, high-efficiency surface mount LEDs

#### Color Consistency:

2-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### **Color Stability:**

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period

#### **Electrical**

# Driver:

Constant Current, Class 2, 120VAC Only, 50/60Hz, 200mA, 0.08A

# **Dimming Driver:**

TRIAC and ELV (at 120V only).

#### Optical

#### Optics:

40° beam spread with specular thermoplastic optics

#### **Spacing Criteria:**

0-180° (along): 0.64 90-270° (across): 0.64 diagonal: 0.68

#### Other

# Equivalency:

Equivalent to 50W MR16

#### California Title 24:

RDLED2R8 complies with 2013 California Title 24 building and electrical codes as a commercial indoor fixture for general spaces when used with a vacancy sensor and TRIAC dimming control. Select a vacancy sensor using catalog number LVS800. TRIAC dimmer provided by others.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) 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.



# **Technical Specifications (continued)**

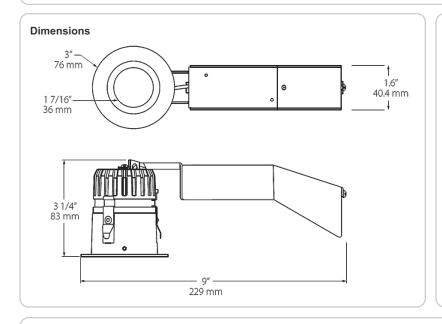
Other

#### 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)

# **GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4



#### **Features**

30° vertical adjustment

Replaces 50W MR16 with energy savings of 84%

TRIAC and ELV dimmer compatibility for additional light control

Precision-engineered optics deliver smooth light without hot spots or glare

#### **Ordering Matrix** Family **Color Temp** CRI Finish Size Shape Watts **Beam Spread** Type **RDLED** 2 8 Τ 40 ΥN В A = Adjustable 8 = 8W YY = 2700K (Residential Warm) Blank = 80 CRI **T** = 1/2" Trim B = Black Trim **2** = 2" **20** = 20° R = Round **30** = 30° **Y** = 3000K (Warm) **HC** = 90 CRI TL = Trimless Look **40** = 40° YN = 3500K (Warm Neutral) W = Wall Washer **N** = 4000K (Neutral)