



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: 2.1 lbs

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

| Driver Info  |                  | LED Info        |        |
|--------------|------------------|-----------------|--------|
| Type:        | Constant Current | Watts:          | 8W     |
| 120V:        | 0.08A            | Color Temp:     | 4000K  |
| 208V:        | N/A              | Color Accuracy: | 83 CRI |
| 240V:        | N/A              | L70 Lifespan:   | 100000 |
| 277V:        | N/A              | Lumens:         | 763    |
| Input Watts: | 8W               | Efficacy:       | 92 LPW |
| Efficiency:  | 97%              |                 |        |

## 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 luminaires 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)

#### 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 warranted 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): 0.68  
90-270° (across): 0.68  
diagonal: 0.70

### Other

#### Trimless Look:

Flush trim for a trimless look without the hassle. Complete ceiling finishing work (spackling, sanding, painting) before installing to ensure a clean trim.

#### 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

### Dimensions



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