

Clean, unobtrusive design delivers smooth and abundant light from an aperture just over 1 inch wide. Available in flush trim for a trimless look without the mess left behind from ceiling finishing work.

Color: White trim

Weight: 1.5 lbs

Project:

Type:

Prepared By:

Date:

#### Driver Info

Type: Constant Current  
120V: 0.08A  
208V: N/A  
240V: N/A  
277V: N/A  
Input Watts: 9W  
Efficiency: 89%

#### LED Info

Watts: 8W  
Color Temp: 2700K  
Color Accuracy: 82 CRI  
L70 Lifespan: 50000  
Lumens: 547  
Efficacy: 61 LPW

## 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 and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

### 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.

#### Ambient Temperature:

Suitable for use in 55°C ambient temperatures

#### Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

#### Lens:

Nanostructure lens eliminates "hot spots", and helps provide smooth, uniform light and higher efficiency

#### 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:

White 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 VOCs or toxic heavy metals.

#### Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

### LED Characteristics

#### Lifespan:

50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### LED:

High-output, long-life LED with 2-step binning and integrated driver technology

#### 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, 0.07A

#### Dimming Driver:

TRIAC and ELV (at 120V only).

### Optical

#### Optics:

40° beam spread with specular thermoplastic optics

#### Spacing Criteria:

0-180° (along): 0.66  
90-270° (across): 0.66  
diagonal: 0.74

### Other

#### 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.

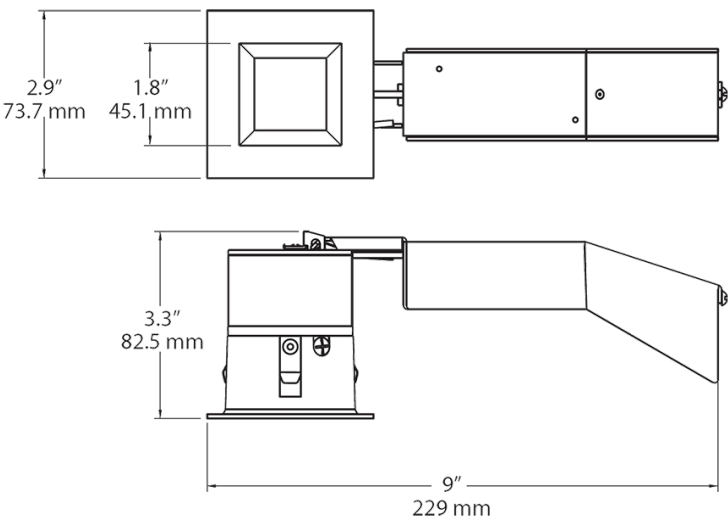
#### Equivalency:

Equivalent to 50W MR16

#### Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



Features

- 8W replaces 50W MR16 with energy savings of 82%
- TRIAC dimmer compatibility for additional light control
- Precision-engineered optics deliver smooth light without hot spots or glare

Ordering Matrix

| Family | Size   | Shape      | Wattage | Beam Spread                                         | Color Temp                                                                                            | CRI                                 | Type                                | Finish         |
|--------|--------|------------|---------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|----------------|
| RDLED  | 2 = 2" | S = Square | 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 = 82 or 83 CRI<br>HC = 90 CRI | T = 1/2" Trim<br>TL = Trimless Look | W = White Trim |