



Color: White trim

Weight: 2.9 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	8.3W

**LED Info**

Watts	8W
Color Temp	3000K (Warm)
Color Accuracy	90 CRI
L70 Lifespan	50,000
Lumens	517
Efficacy	62.3 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.  
[www.rablighting.com/productLine.php?productLine=NEW\\_CONSTRUCTION\\_HOUSING\\_2INCH\\_TRIM](http://www.rablighting.com/productLine.php?productLine=NEW_CONSTRUCTION_HOUSING_2INCH_TRIM)

**Ambient Temperature:**

Suitable for use in 55°C

**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)

**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.

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**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 warranted to shift no more than 200K in CCT over a 5-year period

**Electrical****Dimming Driver:**

TRIAC and ELV (at 120V only).  
[www.rablighting.com/images/2inch\\_dimmer\\_compatibility.png](http://www.rablighting.com/images/2inch_dimmer_compatibility.png) target="\_blank"

## Technical Specifications (continued)

## Electrical

## Driver:

Constant Current, Class 2, 120VAC Only, 50/60Hz, 200mA, 0.07A

## Optical

## Optics:

40° beam spread with specular thermoplastic optics

## Spacing Criteria:

0-180° (along): 0.68  
90-270° (across): 0.68  
diagonal: 0.74

## Other

## Equivalency:

Equivalent to 50W MR16

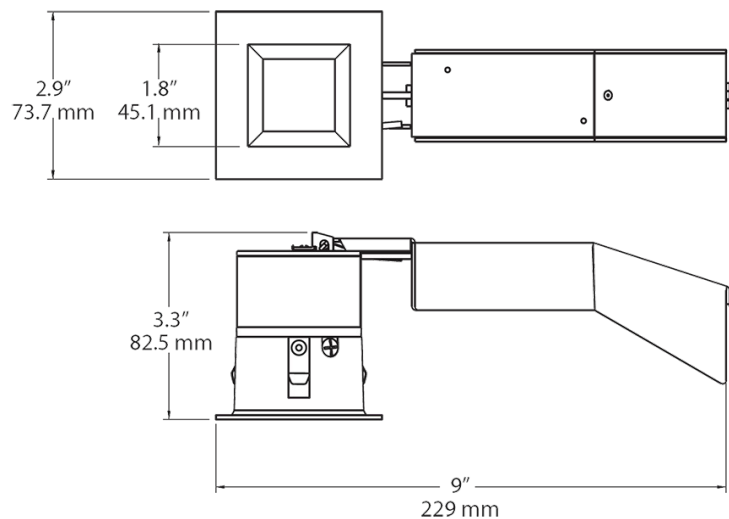
## Warranty:

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. RAB's warranty is subject to all terms and conditions found at [www.rablighting.com/legal#warranty](http://www.rablighting.com/legal#warranty)

## 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	Trim	Trim Ring Color
RDLED	2	S	8	40	Y	HC	TL	W
	2 = 2"	R = Round S = Square	8 = 8W	20 = 20 degrees 30 = 30 degrees 40 = 40 degrees W = Wall Washer	YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral) N = 4000K (Neutral)	Blank = 82 or 83 CRI HC = 90 CRI	T = 1/2" Trim TL = Trimless Look	S = Matte Silver W = White B = Black Trim