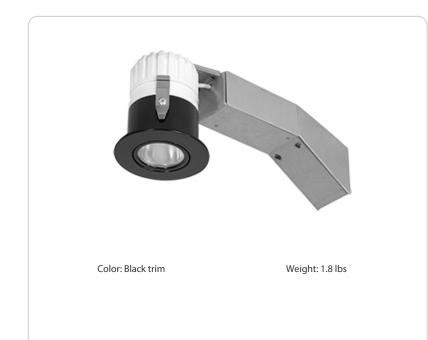
# RDLED2AR8-40YHC-TB

# RAB



Project: Prepared By:		Type: Date:		
Туре	Constant Current	Watts	8W	
120V	0.08A	Color Temp	3000K (Warm)	
208V	N/A	Color Accurac	cy 92 CRI	
240V	N/A	L70 Lifespan	100,000 Hours	
277V	N/A	Lumens	570 lm	
Input Wa	tts 8.2W	Efficacy	69.5 lm/W	

# **Technical Specifications**

# Compliance

# UL Listed:

Suitable for wet locations in a covered ceiling

### Performance

Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

# Wattage Equivalency:

Equivalent to 50W MR16

Construction IC Rated: Suitable for direct contact with insulation

# Trim Component:

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

# **Maximum Ambient Temperature:** Suitable for use in up to 40°C (104°F)

**Cold Weather Starting:** The minimum starting temperature is -40°C (-40°F)

# 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.

### Finish:

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

# LED Characteristics

LEDs: Long-life, high-efficacy, 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 color temperature 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). See dimmer compatibility guide here.

# Optical

**Optics:** 40° beam spread with specular thermoplastic optics

# Spacing Criteria:

0 to 180° (along): 0.68 90 to 270° (across): 0.68 diagonal: 0.70

# RDLED2AR8-40YHC-TB

# **Technical Specifications (continued)**

Maximum Tilt:

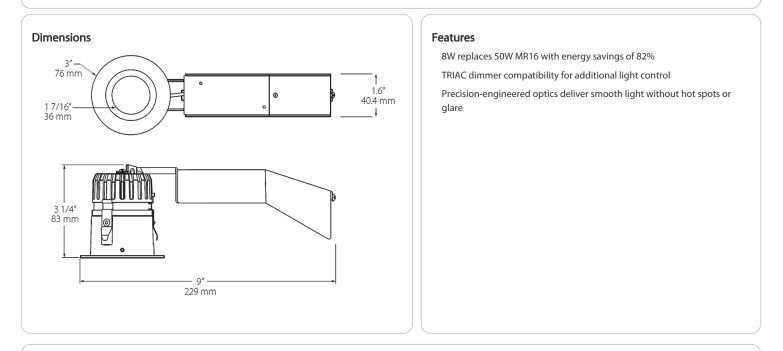
30°

# 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. RAB's warranty is subject to all terms and conditions found at <u>rablighting.com/warranty.</u>

### **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.



## **Ordering Matrix**

Family	Size/Shape	Wattage	Beam Spread	Color Temp	CRI	Trim	Trim Ring Color
RDLED	2AR	8	40	Y	HC	Т	В
	<b>2AR =</b> 2" Adjustable Round	8=8W	<b>20 =</b> 20 degrees <b>30 =</b> 30 degrees <b>40 =</b> 40 degrees	N = 4000K Neutral YN = 3500K Warm Neutral Y = 3000K Warm YY = 2700K Residential Warm	<b>Blank =</b> 80 CRI <b>HC =</b> 90 CRI	<b>T</b> = 1/2" Trim <b>TL</b> = Trimless Look	S = Matte Silver W = White B = Black Trim

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