# RDLED2AR8-40NHC-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:

tant Current		
tant Gurrent	Watts:	8W
١	Color Temp:	4000K
	Color Accuracy:	93 CRI
	L70 Lifespan:	100000
	Lumens:	658
	Efficacy:	79 LPW
	kan Guren	Color Temp: Color Accuracy: L70 Lifespan: Lumens:

# **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:

20° beam spread with specular thermoplastic optics

#### **Spacing Criteria:**

0-180° (along): 0.36 90-270° (across): 0.36 diagonal: 0.36

#### 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)**

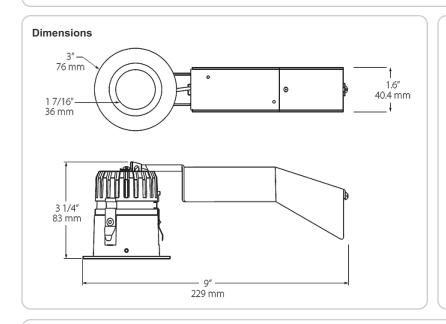
Other

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

**N** = 4000K (Neutral)

W = Wall Washer