## RDLED2AR8-20N-TB



8W

799

4000K

83 CRI

100000

98 LPW



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

## **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

# Prepared By: Date: **Driver Info** LED Info

Type:

Туре:	Constant Current	Watts:
120V:	0.08A	Color Temp:
208V:	N/A	Color Accuracy
240V:	N/A	L70 Lifespan:
277V:	N/A	Lumens:
Input Watts:	8W	Efficacy:
Efficiency:	98%	

**Project:** 

#### **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)**

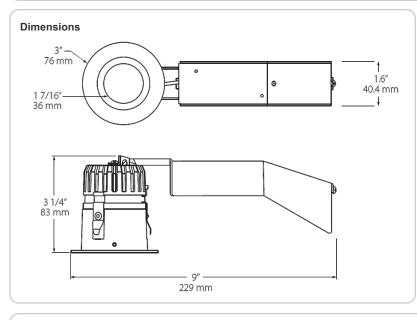
## Other

#### Recovery Act (ARRA) Compliant:

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010)



## 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	20	Ν		Т	В
	<b>2</b> = 2"	A = Adjustable R = Round	8 = 8W	20 = 20° 30 = 30° 40 = 40° W = Wall Washer	YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral) N = 4000K (Neutral)	<b>Blank</b> = 80 CRI <b>HC</b> = 90 CRI	T = 1/2" Trim TL = Trimless Look	B = Black Trim