# RDLED2S8-20YYHC-TB



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: Black trim

# Weight: 1.5 lbs

## **Technical Specifications**

#### Listings

## **UL Listing:**

Suitable for wet locations in a covered ceiling

#### **ENERGY STAR:**

This product is ENERGY STAR® qualified.

#### 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.

### **Ambient Temperature:**

Suitable for use in 55°C ambient temperatures

## **Cold Weather Starting:**

The minimum starting temperature is -40°F/-40°C

#### 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:

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**

## 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

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

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:	96%	

#### **Dimming Driver:**

TRIAC and ELV (at 120V only).

# Optical

## **Optics:**

20° beam spread with specular thermoplastic optics

## **Spacing Criteria:**

0-180° (along): 0.40 90-270° (across): 0.40 diagonal: 0.42

#### Other

#### Equivalency:

RDLED 8W is equivalent to 50W MR16

#### California Title 24:

RDLED2S8 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



8W

N/A

474

2700K

90 CRI

57 LPW



# **Technical Specifications (continued)**

# Other

## Recovery Act (ARRA) Compliant:

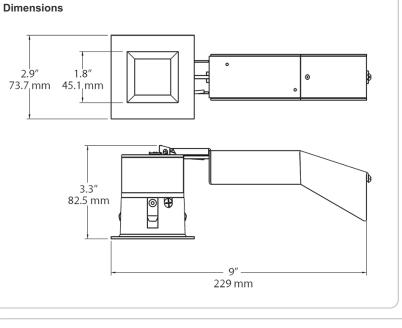
This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010)

## **Trade Agreements Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4



#### 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	Watts	Beam Spread	Color Temp	CRI	Туре	Finish		
RDLED										
	<b>2</b> = 2"	S = Square	<b>8</b> = 8W	20 = 20° 30 = 30° 40 = 40° 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	<b>B</b> = Black Trim		