# RDLED2S8-20YHC-TLB





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: 2.9 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  $60^{\circ}$ 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)

# 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

# **Dimming Driver:**

TRIAC and ELV (at 120V only).

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

Type:	Constant Current	Watts:	8W
120V:	0.08A	Color Temp:	3000K
208V:	N/A	Color Accuracy:	90 CRI
240V:	N/A	L70 Lifespan:	N/A
277V:	N/A	Lumens:	548
Input Watts:	8W	Efficacy:	66 LPW
Efficiency:	96%		

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

### 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.

# 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.



# **Technical Specifications (continued)**

# Other

Dimensions

# 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:

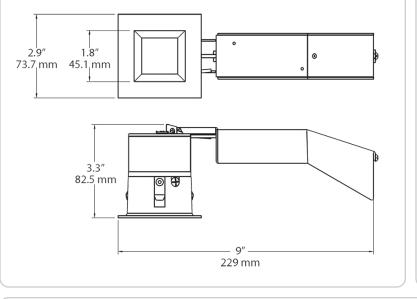
Suitable in accordance with FAR Subpart 25.4

# 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 Matri	ix							
Family	Size	Shape	Watts	Beam Spread	Color Temp	CRI	Туре	Finish
RDLED								
	<b>2</b> = 2"	S = Square	8 = 8W	<b>20</b> = 20° <b>30</b> = 30° <b>40</b> = 40° <b>W</b> = 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 = Black Trin