# RDLED6S20L-80YY-M-B





Remodeler Square 4" & 6" Black Trim with Matte Silver Cone downlights provide an ultra performance, high-end solution for adding recessed lighting to existing ceilings. 90 CRI.

Color: Matte silver cone black trim

Weight: 3.5 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info	
Type:	Constant Current	Watts:	20W
120V: 208V:	0.175A 0.116A	Color Temp: Color Accuracy:	2700K 90 CRI
240V:	0.116A 0.1A	L70 Lifespan:	100,000
277V:	0.087A	Lumens:	1,057
Input Watts:	22W	Efficacy:	49 LPW
Efficiency:	93%		

# **Technical Specifications**

### Listings

#### **UL Listed:**

Suitable for wet locations covered ceiling.

### Optical

#### Photometrics:

Photometrics are based on prorated reports. Contact the RAB Lighting Design department for the most upto-date data.

# Optics:

80° beam spread with specular thermoplasic optics and Nanostructure lens technology for smooth light output and high efficiency.

### **Spacing Criteria:**

0-180° (along): 1.06 90-270° (across): 1.02 diagonal: 1.08.

### **Electrical**

### Driver:

Provided with Lutron L3DA4U1UKS-HC050 driver, Constant Current, Class 2, 120-277V, 50/60Hz, 500mA, 0.7A, Power Factor 90%, THD  $\leq$  20% Minimum Operating Temp 32° F (0° C).

# **Dimming Driver:**

Lutron Hi-Lume Dimming Driver. See compatibility guide

# **LED Characteristics**

### LED:

Long-life, high-output LED module. Binned for natural white light to match incandescent and 3-step MacAdam Ellipse consistency.

# Lifespan:

 $100,\!000\text{-}\text{hour}$  LED lifespan based on IES LM-80 results and TM-21 calculations.

# Correlated Color Temp. (Nominal CCT):

2700K Residential Warm.

### **Color Consistency:**

3-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.

# Construction

### **Ambient Temperature:**

Suitable for use in 40°C ambient temperatures.

# **Cold Weather Starting:**

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

# Trim Ring:

Black powder coated die cast trim ring.

### Trim Cone:

Matte silver square trim cone.

# 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 90°C supply conductors 2 in 2 out

# Housing:

Professional-grade, die-cast aluminum construction.

### **Easy Installation:**

Easy installation with ceiling clamps.

## Green Technology:

Mercury and UV free.

### Other

# Equivalency:

RDLED 20W is equivalent to 100W PAR.

## Air Tight:

Housing certified Air Tight as per ASTM E283

# Absolute White™:

A unique binning process designed to match incandescent at each color temperature. It's 3-step consistent, very stable over time and looks the way you expect light to look.

# California Title 24:

RDLED6S20L complies with 2013 California Title 24 building and electrical codes as a residential indoor fixture. It also complies as a commercial indoor fixture for general spaces when used with a vacancy sensor and Lutron dimming control. Select a vacancy sensor using catalog number LVS800. Lutron dimmer provided by others.

### 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.

### **Country of Origin:**

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.



# **Technical Specifications (continued)**

## Other

## **Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act

## Recovery Act (ARRA) Compliant:

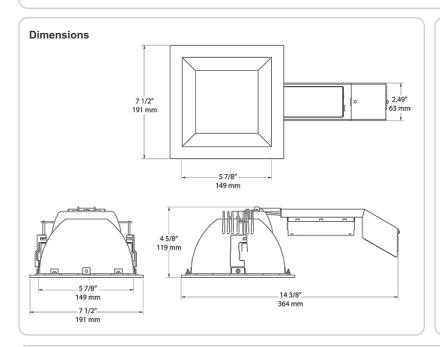
This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

# **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

High performance, high efficiency alternative to incandescent lighting

Integrated ceiling clamps make installation fast and secure for ceiling up to 1 1/4" thick

Nanostructure lens eliminates "hot spots" providing smooth and efficient light

Low-profile design allows for installation in ceilings with limited space

Absolute White™ natural light output

90 CRI

Ordering Matr	ix							
Family	Size	Shape	Watts	Dimming Driver	Beam Spread	Color Temp	Cone Color	Trim Colo
RDLED								
	<b>6</b> = 6" <b>4</b> = 4"	S = Square	12 = 12W (4" only) 20 = 20W 26 = 26W (6" only)	= Triac Driver E = ELV Driver L = Lutron Driver F = 120V-277V Driver	<b>50</b> = 50° <b>80</b> = 80° <b>W</b> = Wall Washer	YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral)	M = Matte Silver	B = Black