# RDLED6S20-50YN-S-B





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

Color: Specular silver cone black trim

Weight: 3.5 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info	
Type: 120V: 208V: 240V:	Constant Current 0.18A 0.11A 0.10A	Watts: Color Temp: Color Accuracy: L70 Lifespan:	20W 3500K 90 CRI 100,000
277V: Input Watts: Efficiency:	0.10A 0.09A 22W 93%	Lumens: Efficacy:	1,334 62 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:

50° beam spread with specular thermoplasic optics and Nanostructure lens technology for smooth light output and high efficiency.

#### **Spacing Criteria:**

0-180° (along): 0.82 90-270° (across): 0.80 diagonal: 0.84.

#### **Electrical**

#### Driver:

TRIAC, Constant Current, Class 2, 120V, 50/60Hz, 500mA, 0.15A, Power Factor 99.6%, THD  $\leq$  10%.

### **Dimming Driver:**

TRIAC compatible dimmer as low as 10%.

#### **LED Characteristics**

#### I FD

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

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

### Correlated Color Temp. (Nominal CCT):

3500 Warm/Neutral

#### **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:

Specular 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:

RDLED6S20 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 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 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:

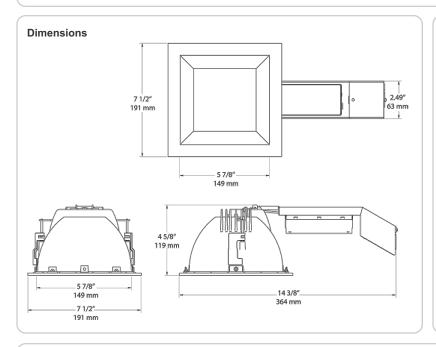
This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

### **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 Ma	trix							
Family	Size	Shape	Watts	Dimming Driver	Beam Spread	Color Temp	Cone Color	Trim Color
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)	S = Specular Silver	B = Black