# RDLED6S20D-50YN-B-W





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

Color: Black cone white trim Weight: 2.0 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info		
Type:	Constant Current	Watts:	20W	
120V:	0.17A	Color Temp:	3500K	
208V:	0.11A	Color Accuracy:	80 CRI	
240V:	0.10A	L70 Lifespan:	100000	
277V:	0.09A	Lumens:	1,461	
Input Watts:	20W	Efficacy:	72 LPW	
Efficiency:	98%			

## **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.

#### **Electrical**

## Driver:

ELV, 0-10V and TRIAC Dimming, Constant Current, Class 2, 120V-277V, 50/60Hz, Power Factor 98%, THD  $\leq$  20%.

## **Dimming Driver:**

0 - 10V (at 120-277V), TRIAC and ELV (at 120V only).

## **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-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°C/-40°F

## Trim Ring:

White powder coated die cast trim ring

#### Trim Cone:

Black 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. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

#### 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.

### **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:

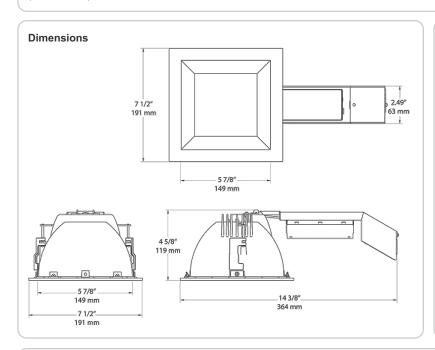
This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

## **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

Ordering Mat	trix								
Family	Size	Shape	Watts	Driver Option	Beam Spread	Color Temp	CRI	Cone Color	Trim Colo
RDLED									
	<b>6</b> = 6"	S = Square	<b>12</b> = 12W (4" only)	<b>D</b> = Universal Dimming	<b>50</b> = 50°	YY = 2700K (Residential Warm)	Blank = 82 CRI	B = Black	<b>W</b> = White
	<b>4</b> = 4"		<b>20</b> = 20W		<b>80</b> = 80°	<b>Y</b> = 3000K (Warm)	HC = 92 CRI		
			<b>26</b> = 26W (6" only)		W = Wall Washer	YN = 3500K (Warm Neutral)			