# RDLED6S20D-80YN-B-B



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

Color: Black cone black trim

# **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.

#### 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:

Weight: 2.0 lbs

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:

Black 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

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

Type: 120V: 208V:	Constant Current 0.17A 0.11A	Watts: Color Temp: Color Accuracy:	20W 3500K 80 CRI
240V: 277V: Input Watts: Efficiency:	0.10A 0.09A 20W 98%	L70 Lifespan: Lumens: Efficacy:	100000 1,462 72 LPW
Linciency.	90 /8		

#### 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

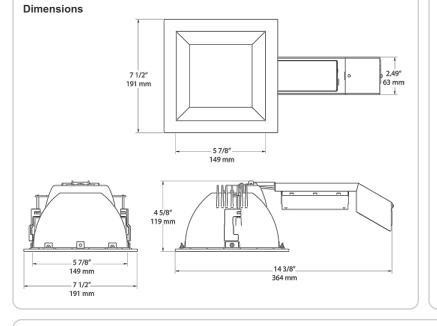
High performance, high efficiency alternative to incandescent lighting

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<sup>™</sup> 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 = Blac
	<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)			