# RDLED4S20E-50Y-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. 90 CRI.

Color: Black cone black trim

# **Technical Specifications**

### Listings

### UL Listed:

Suitable for wet locations covered ceiling

# IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### Electrical

#### Driver:

Electronic Low Voltage, Constant Current, Class 2, 120-277V, 50/60Hz, 500mA, 120V 0.24A 277V 0.11A, Power Factor 99.3%

## THD:

9.3% at 120V, 17.4% at 277V

# **Dimming Driver:**

Electronic Low Voltage compatible dimmer as low as 2%.

## **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):

3000 Warm.

# Color Accuracy (CRI):

84 CRI

# Color Consistency:

Weight: 2.5 lbs

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

Suitable for use in 40°C ambient temperatures.

#### **Cold Weather Starting:**

**Ambient Temperature:** 

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

#### 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.

Green Technology:

Mercury and UV free.

# Easy Installation:

Easy installation with ceiling clamps.

# Optical

# Optics:

 $50^\circ$  beam spread with specular thermoplasic optics and Nanostructure lens technology for smooth light output and high efficiency.

### Other

#### Absolute White<sup>™</sup>:

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:

RDLED4S20E 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 ELV dimming control. Select a vacancy sensor using catalog number LVS800. ELV 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.



Project: Type: **Prepared By:** Date: **Driver Info** LED Info Constant Current Watts: 20W Type: 120V: 0.172A Color Temp: 3000K (Warm) 208V. 0.114A Color Accuracy: 90 CRI 240\/-0.099A L70 Lifespan: 100.000 277V: 0.086A Lumens: 1.148 Input Watts: 20W Efficacy: 56 LPW Efficiency: 98%



# **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:**

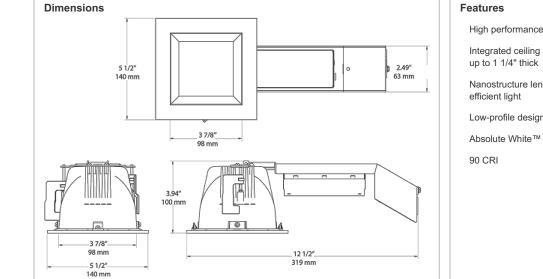
This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

# **GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

Equivalency:

RDLED 20W is equivalent to 100W PAR.



High performance, high efficiency alternative to incandescent lighting

Integrated ceiling clamps make installation fast and secure for ceiling

Nanostructure lens eliminates "hot spots" providing smooth and

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

Absolute White<sup>™</sup> natural light output

# **Ordering Matrix**

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