

# RDLED4S20E-50YN-W-W



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

Color: White cone white trim

Weight: 2.5 lbs

Project:

Type:

Prepared By:

Date:

## Driver Info

Type: Constant Current  
120V: 0.172A  
208V: 0.114A  
240V: 0.099A  
277V: 0.086A  
Input Watts: 20W  
Efficiency: 98%

## LED Info

Watts: 20W  
Color Temp: 3500K  
Color Accuracy: 90 CRI  
L70 Lifespan: 100,000  
Lumens: 1,158  
Efficacy: 57 LPW

## 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.

### Optical

#### Photometrics:

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

#### Optics:

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

### 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 ≤ 10%.

#### 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):

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:

White powder coated die cast trim ring.

#### Trim Cone:

White 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.

#### 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:

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.

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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).

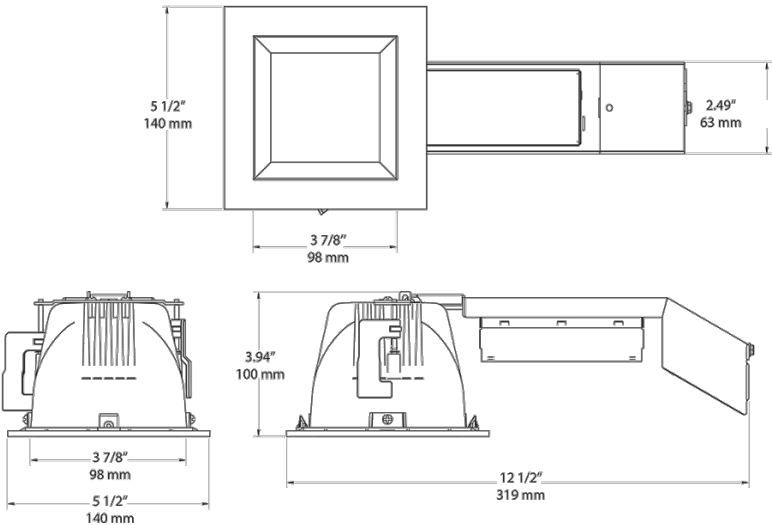
Trade Agreements Act Compliant:

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.

Dimensions



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 Matrix

Family	Size	Shape	Watts	Dimming Driver	Beam Spread	Color Temp	Cone Color	Trim Color
RDLED	6 = 6" 4 = 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	50 = 50° 80 = 80° W = Wall Washer	YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral)	W = White	W = White