



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: 3.5 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: 21W  
 Efficiency: 97%

#### LED Info

Watts: 20W  
 Color Temp: 3000K (Warm)  
 Color Accuracy: 90 CRI  
 L70 Lifespan: 100,000  
 Lumens: 1,210  
 Efficacy: 59 LPW

## 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 up-to-date data.

#### Optics:

80° 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):

3000 Warm.

#### 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.

#### 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:

RDLED6S20E 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.

## 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).

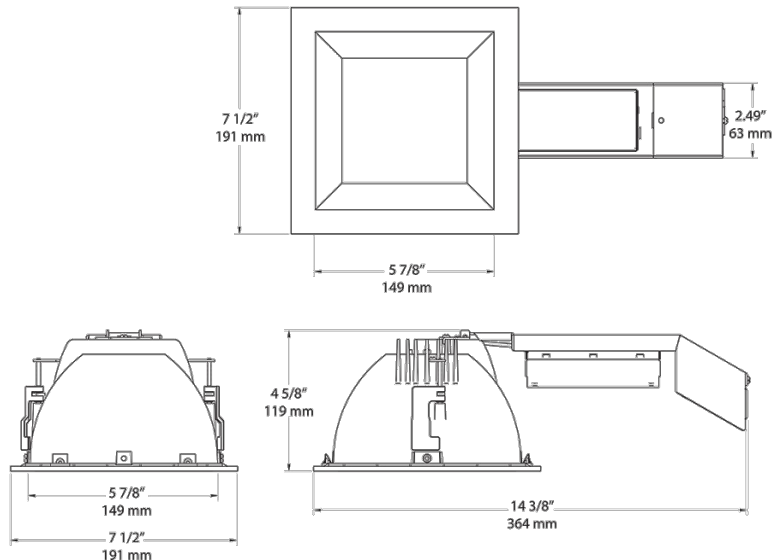
#### Trade Agreements Act Compliant:

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  $1\frac{1}{4}"$  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" | S = Square | 12 = 12W (4" only) | = Triac Driver       | 50 = 50°        | YY = 2700K (Residential Warm) | W = White  | W = White  |
|        | 4 = 4" |            | 20 = 20W           | E = ELV Driver       | 80 = 80°        | Y = 3000K (Warm)              |            |            |
|        |        |            | 26 = 26W (6" only) | L = Lutron Driver    | W = Wall Washer | YN = 3500K (Warm Neutral)     |            |            |
|        |        |            |                    | F = 120V-277V Driver |                 |                               |            |            |