# RDLED4S20-80Y-M-S

**RAB** LIGHTING

| Project: | Type: |
|---|---|
| **Prepared By:** | **Date:** |

### Driver Info

| | |
|---|---|
| Type: | Constant Current |
| 120V: | 0.18A |
| 208V: | 0.11A |
| 240V: | 0.10A |
| 277V: | 0.09A |
| Input Watts: | 21W |
| Efficiency: | 96% |

### LED Info

| | |
|---|---|
| Watts: | 20W |
| Color Temp: | 3000K (Warm) |
| Color Accuracy: | 90 CRI |
| L70 Lifespan: | 100,000 |
| Lumens: | 1,162 |
| Efficacy: | 56 LPW |

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

Color: Matte silver cone silver trim          Weight: 2.5 lbs

## 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 thermoplasic optics and Nanostructure lens technology for smooth light output and high efficiency.

**Spacing Criteria:**

0-180° (along): 1.16
90-270° (across): 1.16
diagonal: 1.20.

### Electrical

**Driver:**

TRIAC, Constant Current, Class 2, 120V, 50/60Hz, 500mA, 0.15A, Power Factor 99.6%, THD ≤ 10%.

**Dimming Driver:**

TRIAC compatible dimmer as low as 10%.

### 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:**

Silver powder coated die cast trim ring.

**Trim Cone:**

Matte silver 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:**

RDLED4S20 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.

**RAB** LIGHTING

## 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).
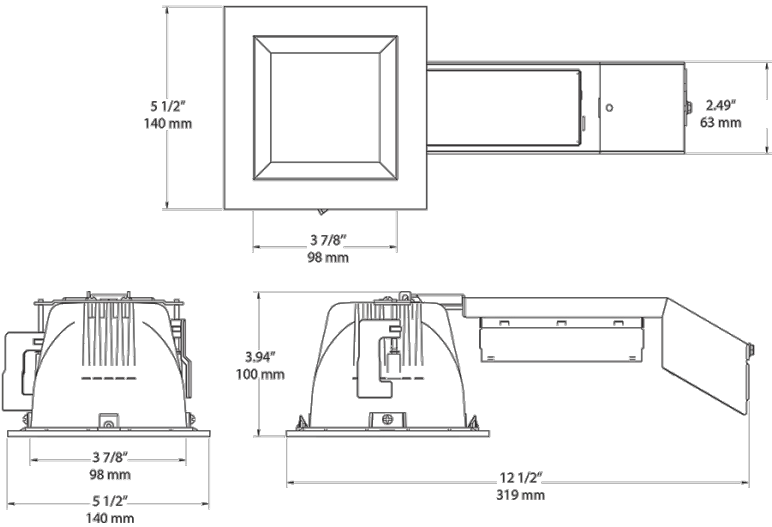
**Trade Agreements Act Compliant:**

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

5 1/2" 140 mm

2.49" 63 mm

3 7/8" 98 mm

3.94" 100 mm

3 7/8" 98 mm

5 1/2" 140 mm

12 1/2" 319 mm

## 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" | **S** = Square | **12** = 12W (4" only) | = Triac Driver | **50** = 50° | **YY** = 2700K (Residential Warm) | **M** = Matte Silver | **S** = Specular Silver |
| | **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 | | | | |

Need help? Tech help line: **888 RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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