RDLED4S20D-50YN-S-W

RAB LIGHTING

Project:		Type:	
Prepared By:		**Date:**	

Driver Info

Type:	Constant Current
120V:	0.17A
208V:	0.11A
240V:	0.10A
277V:	0.09A
Input Watts:	20W
Efficiency:	99%

LED Info

Watts:	20W
Color Temp:	3500K
Color Accuracy:	80 CRI
L70 Lifespan:	100000
Lumens:	1,826
Efficacy:	90 LPW

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

Color: Specular silver cone white trim   Weight: 2.5 lbs

Technical Specifications

Listings

UL Listed:

Suitable for wet locations covered ceiling.

ENERGY STAR:

This product is ENERGY STAR® qualified.

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

Spacing Criteria:

0-180° (along): 0.96
90-270° (across): 0.96
diagonal: 1.02

Electrical

Driver:

ELV, 0-10V and TRIAC Dimming, Constant Current, Class 2, 120V-277V, 50/60Hz, Power Factor 98%, THD ≤ 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:

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:

White powder coated die cast trim ring.

Trim Cone:

Specular 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. 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.

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.

RAB LIGHTING

Technical Specifications (continued)

Other

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.
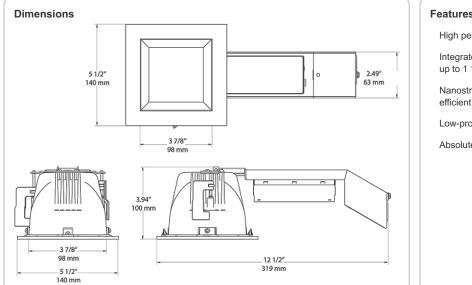
Recovery Act (ARRA) Compliant:

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

Ordering Matrix

Family	Size	Shape	Watts	Driver Option	Beam Spread	Color Temp	CRI	Cone Color	Trim Color
RDLED									
	6 = 6"	S = Square	12 = 12W (4" only)	D = Universal Dimming	50 = 50°	YY = 2700K (Residential Warm)	Blank = 82 CRI	S = Specular	W = White
	4 = 4"		20 = 20W		80 = 80°	Y = 3000K (Warm)	HC = 92 CRI		
			26 = 26W (6" only)		W = Wall Washer	YN = 3500K (Warm Neutral)			

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

Page 2 of 2