RDLED4S20E-80Y-B-W

RAB LIGHTING

| Project: | | Type: | |

| Prepared By: | | Date: | |

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

Color: Black cone white trim   Weight: 2.5 lbs

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:	3000K (Warm)
Color Accuracy:	90 CRI
L70 Lifespan:	100,000
Lumens:	1,127
Efficacy:	55 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.

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, 17.6% 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:

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:

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:

80° beam spread with specular thermoplasic optics and Nanostructure lens technology for smooth light output and high efficiency.

Other

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.

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.
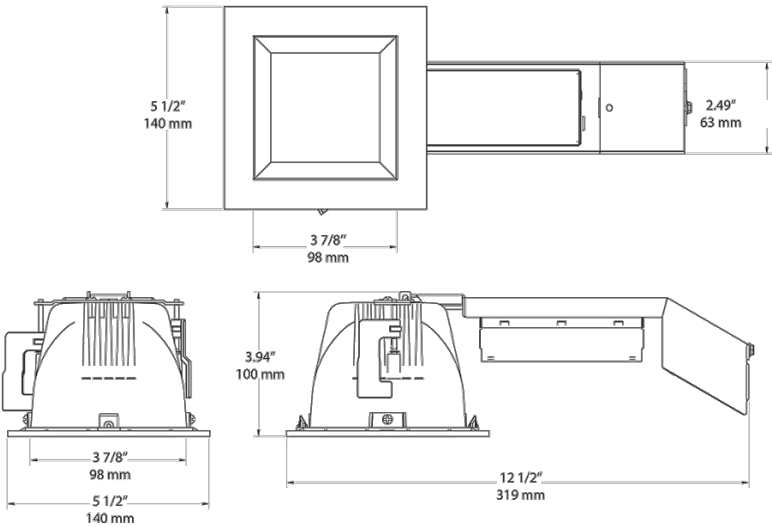
GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Equivalency:

RDLED 20W is equivalent to 100W PAR.

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"	S = Square	12 = 12W (4" only)	= Triac Driver	50 = 50°	YY = 2700K (Residential Warm)	B = Black	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				