# RDLED4S12E-80YN-W-B



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

Color: White cone black trim

# **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 upto-date data.

#### **Optics:**

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

#### Electrical

## Driver:

Factor 99.4%, THD ≤ 10%.

#### **Dimming Driver:**

Electronic Low Voltage compatible dimmer as low as 5%.

#### 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:

Weight: 2.5 lbs

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:

Black 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

Project:

**Driver Info** 

Type:

120V:

208V.

240\/-

277V:

Input Watts:

Efficiency:

**Prepared By:** 

## Equivalency:

Constant Current

0.118A

0.079A

0.068A

0.059A

14W

89%

RDLED 12W is equivalent to 75W R30.

#### 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:

RDLED4S12E 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.

# 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).



12W

3500K

90 CRI

852 63 LPW

100,000

Date:

LED Info

Color Temp:

Color Accuracy:

L70 Lifespan:

Lumens:

Efficacy:

Watts:



# **Technical Specifications (continued)**

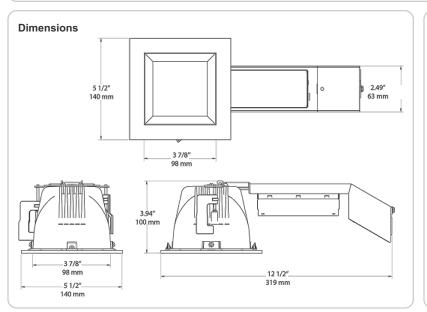
# Other

# Trade Agreements Act Compliant:

ompliant: Suitable in accordance with FAR Subpart 25.4.

**GSA Schedule:** 

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.



# 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								
	<b>6</b> = 6" <b>4</b> = 4"	S = Square	<b>12</b> = 12W (4" only) <b>20</b> = 20W <b>26</b> = 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)	S = White	B = Black