## RDLED4S12E-50YN-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:**

50° beam spread with specular thermoplasic 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, 350mA, 120V 0.17A ¢Š \_¢\_\_Š\_\_ 277V 0.09A, Power

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:**

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:

#### Equivalency:

RDLED 12W is equivalent to 75W R30.

#### Absolute White<sup>™</sup>:

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).



#### **Prepared By:** Date: **Driver Info** LED Info Constant Current 12W Type: Watts: 120V: 0.118A Color Temp: 3500K 208V. 0.079A Color Accuracy: 90 CRI 240\/-0.068A 100,000 L70 Lifespan: 277V: 0.059A Lumens: 868 Input Watts: 14W Efficacy: 64 LPW Efficiency: 88%

Type:

Weight: 2.5 lbs



## **Technical Specifications (continued)**

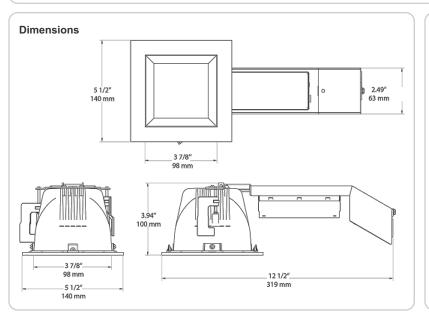
## Other

#### Trade Agreements Act Compliant:

ct Compliant: 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° ₩ = Wall Washer	YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral)	S = White	B = Black