# RDLED4S12E-50Y-S-S



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

Color: Specular silver cone silver 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.

#### **Spacing Criteria:**

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

#### 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):

3000 Warm.

## Color Consistency:

Weight: 2.5 lbs

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:

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.

# Other

# Equivalency:

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.

# Prepared By:

Project:

Date:

Type:

Driver Info		LED Info	40144
Туре:	Constant Current	Watts:	12W
120V:	0.118A	Color Temp:	3000K (Warm)
208V:	0.079A	Color Accuracy:	90 CRI
240V:	0.068A	L70 Lifespan:	100,000
277V:	0.059A	Lumens:	860
Input Watts:	14W	Efficacy:	63 LPW
Efficiency:	88%		





# **Technical Specifications (continued)**

# Other

Dimensions

# **Recovery Act (ARRA) Compliant:**

5 1/2"

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.

2.49"

### **GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

# Features

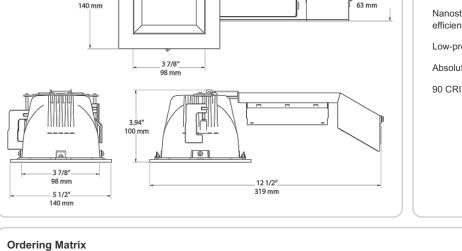
High performance, high efficiency alternative to incandescent lighting

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<sup>™</sup> natural light output



Family	Size	Shape	Watts	Dimming Driver	Beam Spread	Color Temp	Cone Color	Trim Color
RDLED								
	<b>6</b> = 6" <b>4</b> = 4"	<b>S</b> = 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	<b>50</b> = 50° <b>80</b> = 80° <b>W</b> = Wall Washer	YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral)	<b>S</b> = Specular Silver	S = Specular Silver