# RDLED4S12D-50YN-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.

Color: Specular silver cone silver 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 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:

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

Efficiency:

87%

## **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:

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. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

# Other

#### 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:

RDLED4S12 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.



**Project:** Type: Prepared By: Date: **Driver Info** LED Info Constant Current Watts: 12W Type 120V: 0.12A Color Temp: 3500K 208V 0.08A Color Accuracy: 80 CRI 240\/-0.07A 100000 L70 Lifespan: 277V: 0.06A Lumens: 1.324 96 LPW Input Watts: 14W Efficacy:



# **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:

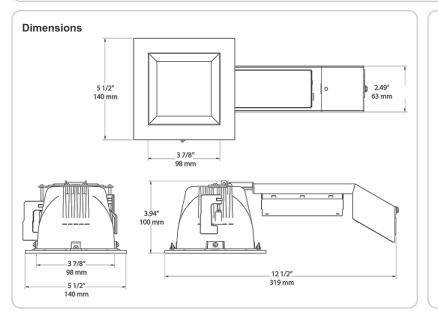
This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

# 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.



## 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

# **Ordering Matrix**

Family Siz	ze	Shape	Watts	Driver Option	Beam Spread	Color Temp	CRI	Cone Color	Trim Color
RDLED									
6 4	5 = 5" . = 4"	<b>S</b> = Square	<b>12</b> = 12W (4" only) <b>20</b> = 20W <b>26</b> = 26W (6" only)	<b>D</b> = Universal Dimming	<b>50</b> = 50° <b>80</b> = 80° <b>W</b> = Wall Washer	YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral)	Blank = 82 CRI HC = 92 CRI	S = Specular Silver	S = Specular Silver