# RDLED2AR8-30YY-TS

**RAB** LIGHTING

| Project: | Type: |
|---|---|
| Prepared By: | Date: |

### Driver Info

| | |
|---|---|
| Type: | Constant Current |
| 120V: | 0.08A |
| 208V: | N/A |
| 240V: | N/A |
| 277V: | N/A |
| Input Watts: | 9W |
| Efficiency: | 92% |

### LED Info

| | |
|---|---|
| Watts: | 8W |
| Color Temp: | 2700K |
| Color Accuracy: | 83 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 616 |
| Efficacy: | 71 LPW |

Adjustable lens enables directional lighting for wall washing or accent lighting. Available in flush trim for a trimless look without the mess left behind from ceiling finishing work.

Color: Silver trim          Weight: 1.8 lbs

## Technical Specifications

### Listings

**UL Listing:**

Suitable for wet locations in a covered ceiling

**ENERGY STAR® V2.0:**

This product is ENERGY STAR® Version 2.0 Certified.

**IESNA LM79 & LM-80 Testing:**

RAB LED luminaries have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

### Construction

**IC Rating:**

Suitable for direct contact with insulation

**Trim Component:**

This component can be ordered with New Construction housing in order to make a complete fixture.

**Maximum Ambient Temperature:**

Suitable for use in 104°F (40°C) ambient temperatures

**Cold Weather Starting:**

The minimum starting temperature is -40°F/-40°C

**Lens:**

Polycarbonate diffusion lens for smooth light output.

**Junction Box:**

Integral junction box with wiring capacity for
Min 60°C supply conductors
End of Run

**Housing:**

Specification-grade, die-cast aluminum construction

**Installation:**

Torsion springs easily install into ceiling collar (remodeler) or rough-in (new construction)

**Trim Ring:**

Silver powder coated die cast 1/2" trim ring.

**Green Technology:**

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

**Finish:**

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

### LED Characteristics

**LEDs:**

Long-life, high-efficiency surface mount LEDs

**Color Consistency:**

2-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

### Electrical

**Driver:**

Constant Current, Class 2, 120VAC Only, 50/60Hz, 200mA, 0.08A

**Dimming Driver:**

TRIAC and ELV (at 120V only).

### Optical

**Optics:**

30° beam spread with specular thermoplastic optics

**Spacing Criteria:**

0-180° (along): 0.54
90-270° (across): 0.54
diagonal: 0.54

### Other

**Equivalency:**

Equivalent to 50W MR16

**California Title 24:**

RDLED2R8 complies with 2013 California Title 24 building and electrical codes 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 ten (10) 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.

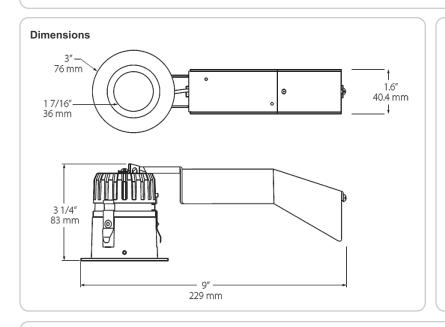**RAB** LIGHTING

## 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)

**GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4

### Dimensions

3"
76 mm

1 7/16"
36 mm

1.6"
40.4 mm

3 1/4"
83 mm

9"
229 mm

### Features

30° vertical adjustment

Replaces 50W MR16 with energy savings of 84%

TRIAC and ELV dimmer compatibility for additional light control

Precision-engineered optics deliver smooth light without hot spots or glare

### Ordering Matrix

| Family | Size | Shape | Watts | Beam Spread | Color Temp | CRI | Type | Finish |
|--------|------|-------|-------|-------------|------------|-----|------|--------|
| RDLED | 2 | A | 8 | 30 | YY | | T | S |

| Size | Shape | Watts | Beam Spread | Color Temp | CRI | Type | Finish |
|------|-------|-------|-------------|------------|-----|------|--------|
| **2** = 2" | **A** = Adjustable | **8** = 8W | **20** = 20° | **YY** = 2700K (Residential Warm) | **Blank** = 80 CRI | **T** = 1/2" Trim | **S** = Silver Trim |
| | **R** = Round | | **30** = 30° | **Y** = 3000K (Warm) | **HC** = 90 CRI | **TL** = Trimless Look | |
| | | | **40** = 40° | **YN** = 3500K (Warm Neutral) | | | |
| | | | **W** = Wall Washer | **N** = 4000K (Neutral) | | | |

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

Page 2 of 2