



|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| Driver Info |                  | LED Info       |                           |
|-------------|------------------|----------------|---------------------------|
| Type        | Constant Current | Watts          | 8W                        |
| 120V        | 0.13A            | Color Temp     | 2700/3000/3500/4000/5000K |
| 208V        | N/A              | Color Accuracy | 90 CRI                    |
| 240V        | N/A              | L70 Lifespan   | N/A                       |
| 277V        | N/A              | Lumens         | 770 lm                    |
| Input Watts | 8W               | Efficacy       | 96                        |

## Technical Specifications

|  |   |  |
|--|---|--|
| <p><b>Performance</b></p> <hr/> <p><b>Product Type:</b><br/>LED Trim - Metal</p> <p><b>Description:</b><br/>Contractor-grade retrofit downlights offered with up to 5 field selectable color temperatures in 1 model. Options available with a smooth or baffle trim.</p> <p><b>Wattage Equivalency:</b><br/>65W Incandescent</p> <p><b>Input Wattage:</b><br/>8W</p> <p><b>Lumens:</b><br/>770lm</p> <p><b>Lumens (Measured):</b><br/>2700K: 748lm<br/>3000K: 762lm<br/>3500K: 776lm<br/>4000K: 773lm<br/>5000K: 759lm</p> <p><b>Efficacy:</b><br/>96lm/W</p> | <p><b>L70 Lifespan:</b><br/>50,000-Hour LED lifespan based on IES LM-70 results</p> <p><b>Electrical</b></p> <hr/> <p><b>Driver:</b><br/>Constant Current</p> <p><b>THD:</b><br/>≤20%</p> <p><b>Power Factor:</b><br/>≥0.9</p> <p><b>Dimmable:</b><br/>Yes, dimmable down to 10% on compatible TRIAC/ELV dimming systems. See Dimmer Compatibility List.</p> <p><b>Input Voltage:</b><br/>120V</p> <p><b>Operating Frequency:</b><br/>60 Hz</p> <p><b>Input Current @ 120V (mA):</b><br/>70mA</p> <p><b>Operating Temperature:</b><br/>-22°F to 104°F (-30°C to 40°C)</p> | <p><b>Flicker:</b><br/>≤30%</p> <p><b>LED Characteristics</b></p> <hr/> <p><b>Beam Angle:</b><br/>95°±10°</p> <p><b>Color Temperature:</b><br/>Field-adjustable via dip switch<br/>2700/3000/3500/4000/5000K</p> <p><b>Color Accuracy (CRI):</b><br/>≥90</p> <p><b>R9 Value:</b><br/>High color performance with R9 greater than 50</p> <p><b>Color Consistency:</b><br/>&lt;4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color</p> <p><b>Color Stability:</b><br/>LED color temperature is warrantied to Shift no more than 200K in color temperature over a 5-year period</p> <p><b>Color Uniformity:</b><br/>RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.</p> |
|--|---|--|

## Technical Specifications (continued)

### Installation

#### Mounting:

Recessed with housing

### Construction

#### Size:

6"

#### Shape:

Round

#### Finish:

White

#### Material:

Constructed from spun aluminum

#### Trim Style:

Smooth Splay

#### Lens Finish:

Frosted

#### Lens:

Smooth flat profile polycarbonate lens diffuser

### Compliance

#### Listings:

UL Classified, UL Recognized

#### Environment:

Suitable for use indoors and outdoors in dry, damp, or wet environments.

#### IC Rated:

Depends on recessed housing used

#### Air Tight:

No

#### Energy Star Approved:

This product is ENERGY STAR® Certified.

#### Certification Model Number:

DLR0122(R6R89FA120WS)

#### California Title 20 Compliant:

Can be used to conform with the requirements of California Title 20

#### California Title 24 JA8 Compliant:

Can be used to conform with the requirements of California Title 24 Part 6.

#### California Energy Commission (CEC) Status:

Lawful for Sales in California

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### RoHS:

Mercury and UV free. RoHS-compliant components.

#### FCC:

Complies with Part 15 of the FCC Rules

### Other

#### Compatible Accessories:

NDCANIC6R

6" Recessed housing, new construction

RDCANIC6R

6" Recessed housing, remodeler

DLTRIM/R6RS-BN

6" Color trim round smooth brushed nickel

DLTRIM/R6RS-BRZ

6" Color trim round smooth bronze

DLTRIM/R6RS-B

6" Color trim round smooth black

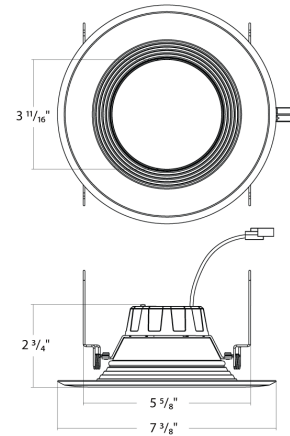
#### 5-Year, No-Compromise Warranty:

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. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

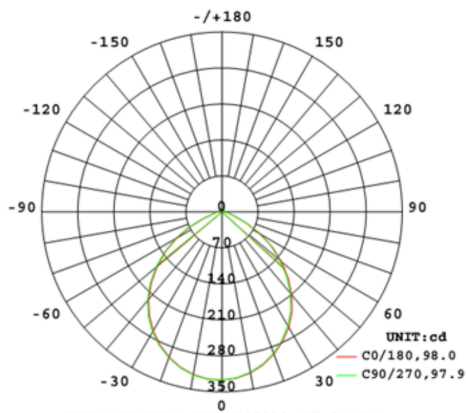
## Case and Pallet Dimensions

|        | QTY | LENGTH (in) | WIDTH (in) | HEIGHT (in) |
|--------|-----|-------------|------------|-------------|
| CASE   | 4   | 15.47       | 7.99       | 8           |
| PALLET | 600 | 7.56        | 3.82       | 82.28       |

## Dimension



## Light Distribution



## Features

- 4" & 5/6" Recessed LED trims are compatible with most recessed housings
- Lumen outputs: 4" - 750 & 1,100 lumens, 6" - 775, 1,000, 1,300 lumens
- Constructed from die-cast aluminum available in a smooth splay reflector or baffled trim with a smooth flat frosted polycarbonate lens
- Available in Painted White or Black finish. Optional color trim overlays sold separately
- Dimmable down to 10% with compatible TRIAC/ELV dimmers, see dimmer compatibility list
- 5-year warranty, 50,000 hours lifespan, Title 24 JA8 and Title 20 compliant, wet location rated

## Ordering Matrix

| Family | Size             | Shape     | Wattage                                    | CRI/Color Temp               | Driver     | Finish    | Trim                     |
|--------|------------------|-----------|--|------------------------------|------------|-----------|--------------------------|
| R      | 6                | R         | 8  | 9FA                          | 120        | W         | B                        |
|        | 4 = 4"<br>6 = 6" | R = Round | 8 = 8W<br>10 = 10W<br>11 = 11W<br>14 = 14W | 9FA = 90 CRI, CCT Adjustable | 120 = 120V | W = White | B = Baffle<br>S = Smooth |