



LED retrofit downlights are perfect for updating existing recessed lighting without changing the fixture. Equivalent to 90W Par.

Color: White

Weight: 1.4 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: 0.11A
208V: N/A
240V: N/A
277V: N/A
Input Watts: 13W
Efficiency: 91%

LED Info

Watts: 12W
Color Temp: 3000K (Warm)
Color Accuracy: 86 CRI
L70 Lifespan: 100,000
Lumens: 764
Efficacy: 58 LPW

Technical Specifications

Listings

UL Listed:

Suitable for damp locations.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires 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.

Electrical

Driver:

Innovative integrated driver technology with 120V TRIAC and ELV dimming.

Surge Protection:

2.5KV

Construction

Lens:

Polycarbonate diffusion lens for smooth light output.

Compatibility:

Low-profile design for maximum compatibility with 6" incandescent recessed downlight housings.

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -22°F/-30°C.

Housing:

Professional-grade, die-cast aluminum construction.

Adapters:

Edison E26 medium base adapter included. GU24 socket adapter sold separately.

Installation:

Pre-installed Torsion springs and optional friction clips are both included to aid in attaching and securing the 6" DLED to the incandescent housing.

Finish:

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

Green Technology:

Mercury and UV free, and RoHS compliant.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:

High-output, long-life LEDs with 3 step binning and integrated driver technology.

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Other

ENERGY STAR:

This product is ENERGY STAR® qualified.

Equivalency:

12W replaces 90W Par.

California Title 24:

DLED6R12 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:

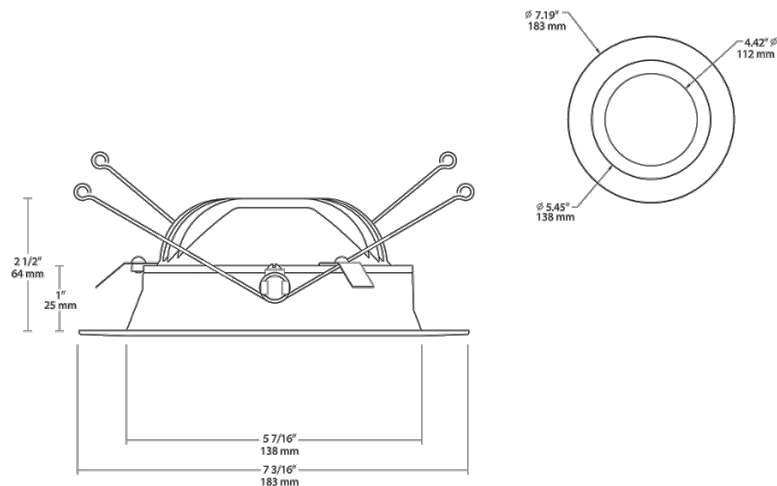
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Optical

Spacing Criteria:

0-180° (along): 1.13.

Dimensions

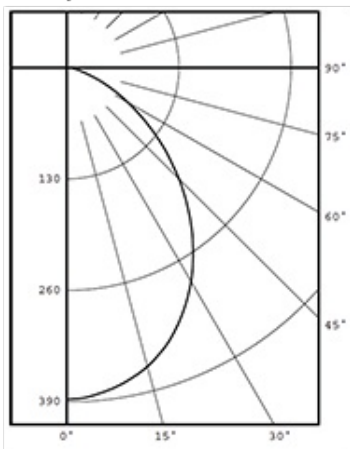


Features

- Low-profile enables compatibility with 6" housings
- UL Listed for damp locations
- Triac & ELV dimmable
- 5-year warranty

Photometrics

candlepower distribution



candela distribution

| vertical deg. | candelas |
|---------------|----------|
| 0 | 387 |
| 5 | 383 |
| 15 | 361 |
| 25 | 317 |
| 35 | 255 |
| 45 | 184 |
| 55 | 113 |
| 65 | 55 |
| 75 | 17 |
| 85 | 4 |
| 90 | 0 |

LUMENS PER WATT: 57.9

cone of light

| Mounting Height (ft) | FC | Beam Diameter (ft) |
|----------------------|------|--------------------|
| 6.0 | 10.8 | 6.7 |
| 8.0 | 6.0 | 9.0 |
| 10.0 | 3.9 | 11.2 |
| 12.0 | 2.7 | 13.5 |
| 14.0 | 2.0 | 15.7 |
| 16.0 | 1.5 | 18.0 |

(diameter shown is where fc value is half the fc at nadir)

zonal lumen summary

| zone | lumens | % fix. |
|--------|--------|--------|
| 0-30 | 283 | 37.1 |
| 0-40 | 443 | 57.9 |
| 0-60 | 686 | 89.7 |
| 0-90 | 764 | 100.0 |
| 90-180 | 0 | 0.0 |
| 0-180 | 764 | 100.0 |

luminance (candela/M²)

| degrees | avg. luminance |
|---------|----------------|
| 45 | 17369 |
| 55 | 13150 |
| 65 | 8687 |
| 75 | 4384 |
| 85 | 3063 |

Ordering Matrix

| Family | Size | Shape | Watts | Color Temp | Type |
|--------|--------|-----------|--------------------|--|--|
| DLED | 6 = 6" | R = Round | 8 = 8W 12 = 12W | YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral) | Blank = Without Baffle /BAF = With Baffle |