



LED retrofit downlights are perfect for updating existing recessed lighting without changing the fixture. Equivalent to 50W Par.

Color: White

Weight: 1.4 lbs

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: 3000K (Warm)
 Color Accuracy: 85 CRI
 L70 Lifespan: 100,000
 Lumens: 535
 Efficacy: 61 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 many 5" 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 5" 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:

8W replaces 50W Par.

California Title 24:

DLED5R8 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:

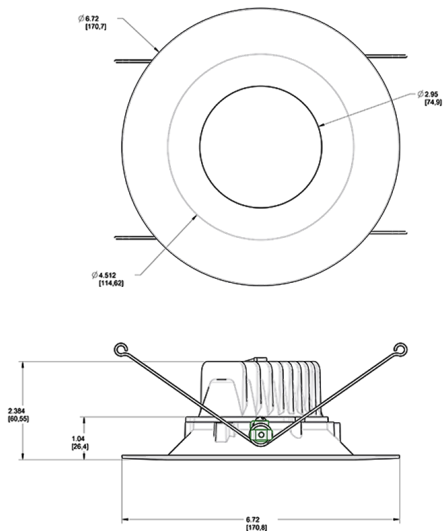
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Optical

Spacing Criteria:

0-180° (along): 1.13

Dimensions

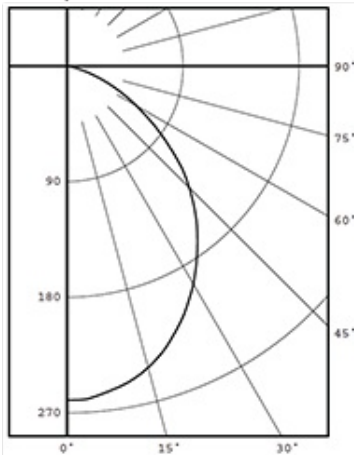


Features

- Savings of up to \$1500 over 100,000 hrs
- 8W replaces 50W PAR
- Dimmable down to industry-leading 5%
- Low profile design for easy fit and installation
- 100,000-Hour LED lifespan

Photometrics

candlepower distribution



candela distribution

vertical deg.	candelas
0	260
5	258
15	243
25	214
35	176
45	134
55	85
65	42
75	9
85	1
90	0

LUMENS PER WATT: 61.5

cone of light

Mounting Height (ft)	FC	Beam Diameter (ft)
6.0	7.2	6.8
8.0	4.1	9.1
10.0	2.6	11.3
12.0	1.8	13.6
14.0	1.3	15.9
16.0	1.0	18.2

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

zonal lumen summary

zone	lumens	% fix.
0-30	191	35.7
0-40	301	56.3
0-60	480	89.8
0-90	535	100.0
90-180	0	0.0
0-180	535	100.0

luminance (candela/M²)

degrees	avg. luminance
45	18993
55	14852
65	9960
75	3485
85	1150

Ordering Matrix

Family	Size	Shape	Watts	Color Temp	Type
DLED	5 = 5"	R = Round	8 = 8W	YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral)	Blank = Without Baffle /BAF = With Baffle