DLED5R8YY

RAB LIGHTING

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:	94%

LED Info

Watts:	8W
Color Temp:	2700K
Color Accuracy:	84 CRI
L70 Lifespan:	100000
Lumens:	523
Efficacy:	61 LPW

Technical Specifications

Listings

UL Listed:

Suitable for damp locations.

ENERGY STAR® V2.0:

This product is ENERGY STAR® V2.0 qualified.

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

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 binnning and integrated driver technology.

Color Consistency:

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

Optical

Spacing Criteria:

0-180° (along): 1.13

Other

Equivalency:
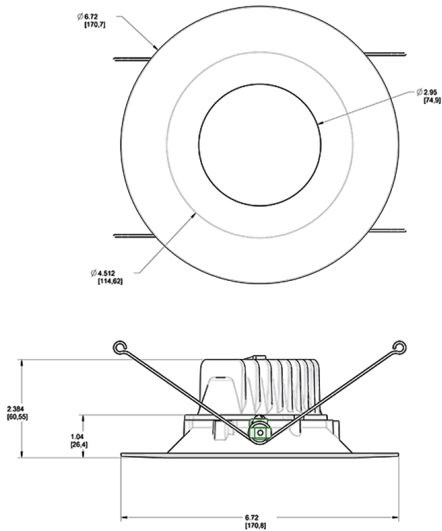
8W replaces 50W Par.

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 ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

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Dimensions

Ø 6.72 [170,7]
Ø 2.95 [74,9]
Ø 4.512 [114,62]
2.384 [60,55]
1.04 [26,4]
6.72 [170,8]

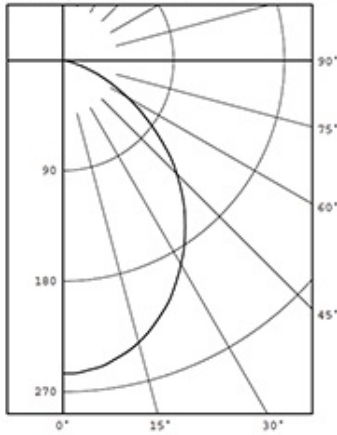## Features

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
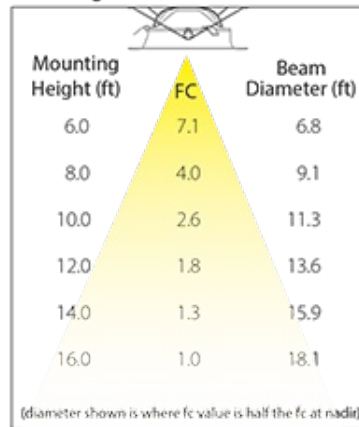
Photometrics

candlepower distribution

candela distribution

vertical deg.	candelas
0	255
5	253
15	238
25	210
35	173
45	131
55	83
65	41
75	9
85	1
90	0

LUMENS PER WATT: 61.4

cone of light

Mounting Height (ft)	FC	Beam Diameter (ft)
6.0	7.1	6.8
8.0	4.0	9.1
10.0	2.6	11.3
12.0	1.8	13.6
14.0	1.3	15.9
16.0	1.0	18.1

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

zonal lumen summary

zone	lumens	% fix.
0-30	187	35.8
0-40	295	56.4
0-60	471	89.9
0-90	523	100.0
90-180	0	0.0
0-180	523	100.0

luminance (candela/M²)

degrees	avg. luminance
45	18567
55	14503
65	9723
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

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

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