R4R109FA120WS

RAB

Color: White
Weight: 0.4 lbs

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.07A
208V	N/A
240V	N/A
277V	N/A
Input Watts	10W

LED Info

Watts	10W
Color Temp	2700/3000/3500/4000/5000K
Color Accuracy	90 CRI
L70 Lifespan	50,000 Hours
Lumens	1,000 lm
Efficacy	100

Technical Specifications

Performance

Product Type:
LED Trim - Metal

Description:
Contractor-grade retrofit downlights offered with up to 5 field selectable color temperatures in 1 model. Options available with a smooth or baffle trim.

Wattage Equivalency:
75W Incandescent

Input Wattage:
10W

Lumens:
1,000lm

Lumens (Measured):
2700K: 1076lm
3000K: 1121lm
3500K: 1148lm
4000K: 1139lm
5000K: 1104lm

Efficacy:
100lm/W

L70 Lifespan:
50,000-Hour LED lifespan based on IES LM-70 results

Electrical

Driver:
Constant Current

THD:
≤20%

Power Factor:
≥0.9

Dimmable:
Yes, dimmable down to 10% on compatible TRIAC/ELV dimming systems. See Dimmer Compatibility List.

Input Voltage:
120V

Operating Frequency:
60 Hz

Input Current @ 120V (mA):
940mA

Operating Temperature:
-22°F to 104°F (-30°C to 40°C)

Flicker:
≤30%

LED Characteristics

Beam Angle:
95°±10°

Color Temperature:
Field-adjustable via dip switch
2700/3000/3500/4000/5000K

Color Accuracy (CRI):
≥90

R9 Value:
High color performance with R9 greater than 50

Color Consistency:
<4-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 color temperature over a 5-year period

Color Uniformity:
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.

Technical Specifications (continued)

Installation

Mounting:
Recessed with housing

Construction

Size:
4"

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:
DLR0132(R4R109FA120WS)

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 IESNAlm-79 andlm-80.

RoHS:
Mercury and UV free. RoHS-compliant components.

FCC:
Complies with Part 15 of the FCC Rules

Trade Agreements Act Compliant:
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

Other

Compatible Accessories:
NDCANIC4R
4" Recessed housing, new construction

RDCANIC4R
4" Recessed housing, remodeler

DLTRIM/R4RB-B-L
4" Color trim round black

DLTRIM/R4RB-BN-L
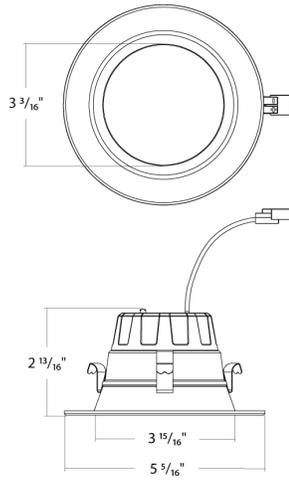4" Color trim round brushed nickel

DLTRIM/R4RB-BRZ-L
4" Color trim round bronze

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.

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RAB

Dimensions

3 3/16"

2 13/16"

3 15/16"

5 5/16"

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	4	R	10	9FA	120	W	S
	4 = 4" **6** = 6"	**R** = Round	**8** = 8W **10** = 10W **11** = 11W **14** = 14W	**9FA** = 90 CRI, CCT Adjustable	**120** = 120V	**W** = White	**B** = Baffle **S** = Smooth