# R4R89FA120WB

**RAB** | Residential

UPC: 019813512860

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

Color: White                  Weight: 0.5 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 | 8W |

### LED Info

| Watts | 8W |
|---|---|
| Color Temp | 2700K/3000K/3500K/4000K/5000K |
| Color Accuracy | 92 CRI |
| L70 Lifespan | 50,000 Hours |
| Lumens | 700 lm |
| Efficacy | 88 |

## Technical Specifications

### Performance

**Product Type:**
Recessed Retrofit

**Description:**
Contractor-grade retrofit downlights offered with up to 5 field selectable color temperatures in 1 model.

**Wattage Equivalency:**
65W Incandescent

**Input Wattage:**
8W

**Lumens:**
2700K @ 722lm; 3000K @ 739lm; 3500K @ 755lm; 4000K @ 768lm; 5000K @ 782lm

**Efficacy:**
2700K @ 96lm/W; 3000K @ 100lm/W; 3500K @ 102lm/W; 4000K @ 102lm/W; 5000K @ 101lm/W

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

### Electrical

**Driver:**
Constant Current, 60 Hz, 120V, 120V: 0.07 A

**THD:**
≤20%

**Power Factor:**
≥0.9

**Dimmable:**
Yes, dims down to 10% on compatible TRIAC/ELV system.
See Dimmer Compatibility List.

**Input Voltage:**
120V

**Operating Frequency:**
60 Hz

**Input Current @ 120V (mA):**
70mA

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

### LED Characteristics

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

**Color Accuracy (CRI):**
>90 CRI

**R9 Value:**
High color performance with R9 greater than or equal to 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.

### Installation

**Mounting:**
Recessed Housing

### Construction

**Size:**
4"

**Shape:**
Round

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## Technical Specifications (continued)

**Finish:**
White

**Enclosure Material:**
Metal

**Trim Style:**
Baffle

**Lens:**
Polycarbonate light diffuser distributes light evenly and smoothly for general lighting applications

**Cut Out Template Size:**
4 5/16"

## Compliance

**Listings:**
UL Recognized, UL Classified

**Environment:**
Suitable for use in dry, damp, and wet environments.

**IC Rated:**
No

**Air Tight:**
No

**Energy Star Approved:**
This product is ENERGY STAR® Version 2.2 Certified

**Energy Star ID:**
2369088

**DLC Listed:**
No

**Certification Model Number:**
DLR0118(R4R89FA120WB)

**T20 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

**NEC Compliant:**
Suitable for use in closets. Compliant with NEC Sec. 410.16 (A)(1) and 410.16 (C3).

**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 15B of the FCC Rules

## Other

**Accessories:**
RFLED-GOOF-4R-6R-W
4"-6" Goof Ring
DLTRIM/R4RB-B-L
4" Round Baffle Black Color Trim
DLTRIM/R4RB-BN-L
4" Round Baffle Brushed Nickel Color Trim
DLTRIM/R4RB-BRZ-L
4" Round Baffle Bronze Color Trim
DRI-25-EMGR-DC
Battery Backup Driver
DRI-21-EMGR-DC-D10
Battery Backup Driver T20

**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.

**Note:**
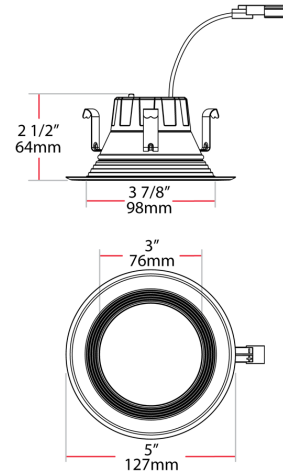All values are typical (tolerance +/- 10%)

**Buy American Act Compliance:**
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.
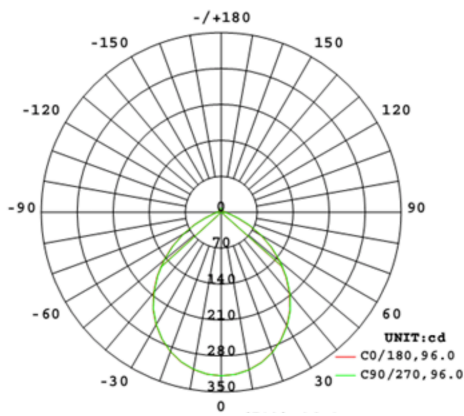
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## Case and Pallet Dimensions

|  | QTY | LENGTH (in) | WIDTH (in) | HEIGHT (in) |
|---|---|---|---|---|
| CASE | 4 | 11.02 | 6.5 | 6 |
| PALLET | 1568 | 5.31 | 3.03 | 86.22 |

## Dimension

2 1/2"
64mm

3 7/8"
98mm

3"
76mm

5"
127mm

## Light Distribution

UNIT:cd
— C0/180, 96.0
— C90/270, 96.0

## Features

Use to replace traditional halogen and incandescent light sources

Durable metal construction: dent and scratch resistant

5 Color temperature selectable 2700K, 3000K, 3500K, 4000K, & 5000K

Compatible with most standard recessed housings

Color trims sold separately

## Ordering Matrix

| Family | Size | Shape | Wattage | CRI/Color Temp | Voltage | Finish | Trim |
|---|---|---|---|---|---|---|---|
| R | 4 | 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 |

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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