

WFRL4R99FA120WBS



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	9W
120V	.10A	Color Temp	2700/3000/3500/4000/5000K
208V	N/A	Color Accuracy	90 CRI
240V	N/A	L70 Lifespan	50,000 Hours
277V	N/A	Lumens	700 lm
Input Watts	9W	Efficacy	77.8

Technical Specifications

Performance

Product Type:

Round, Edge-Lit Wafer

Description:

Round, edge-lit wafers with a slim form factor and selectable color temperatures. Available in 3", 4", 5", 6", and 8" models with either smooth or baffle trim, all with 90 CRI and TRIAC/ELV dimming.

Wattage Equivalency:

60W Incandescent

Input Wattage:

9W

Lumens (Nominal):

750lm

Lumens (Measured):

698lm @ 2700K; 728lm @ 3000K; 737lm @ 3500K;
785lm @ 4000K; 763lm @ 5000K

Efficacy:

78lm/W @ 2700K;
98lm/W @ 3000K;
82lm/W @ 3500K;
87lm/W @ 4000K;
85lm/W @ 5000K

L70 Lifespan:

50,000-Hour LED lifespan based on IES LM-79 results

Electrical

Driver:

Constant Current, Class 2 60 Hz; 120V: 100mA

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

Operating Temperature:

-4°F to 104°F (-20°C to 40°C)

LED Characteristics

Beam Angle:

110°±10°

Color Temperature:

Field adjustable via dip switch
2700/3000/3500/4000/5000K

Color Accuracy (CRI):

>90 CRI

R9 Value:

High color performance with R9 greater than 50

Color Consistency:

<4-step (2700K & 5000K) MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warranted 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

Remote Driver/Junction Box:

Die-formed metal driver / junction box with captive hinged junction box cover. Listed for maximum of (4) 12AWG through branch circuit conductor suitable for 90° C permitted in box. Easy to wire in 2in/2out (plus ground) applications. (4) conduit pry-outs. (3) quick snap-in connectors for quick and reliable line voltage connections. Integral mounting facilitates direct mounting to building structure or mounting frame.

Mounting:

Recessed, no housing required

Construction

Size:

4"

Shape:

Round

Finish:

White

Enclosure Material:

Metal+Plastic

Trim Style:

Baffle

Lens Finish:

Frosted

Lens:

Polycarbonate light diffuser distributes light evenly and smoothly for general lighting applications

Compliance

Listings:

UL Listed

Environment:

Suitable for use indoors and outdoors in dry, damp, or wet environments.

IC Rated:

Suitable for direct contact with insulation. Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations. Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013.

Plenum Rated:

Classified by UL 2043 Fire Test for heat and visible smoke release for discrete products and their accessories installed in air-handling spaces.

Air Tight:

Housing certified Air Tight as per ASTM-E283

Energy Star Approved:

This product is ENERGY STAR® Certified.

Energy Star ID:

3543885

DLC Listed:

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

Certification Model Number:

DLW0094(WFRL4R99FA120WBS)

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

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 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 Products:

WFRL-GOOF-4R-6R-W
4"-6" Goof ring round white

WFRL-TRIM-4R-BS
4" Color trim round smooth black

WFRL-TRIM-4R-BRS
4" Color trim round smooth bronze

WFRL-TRIM-4R-BNS
4" Color trim round smooth brushed nickel

DLPLATE/WFR3468/NB
Mounting plate for 3", 4", 6", 8" with nailer bar

DLPLATE/WFR3456
Mounting plate for 3", 4", 5", 6" with nailer bar

DRI-25-EMGR-DC
Emergency driver 100-277V 25W

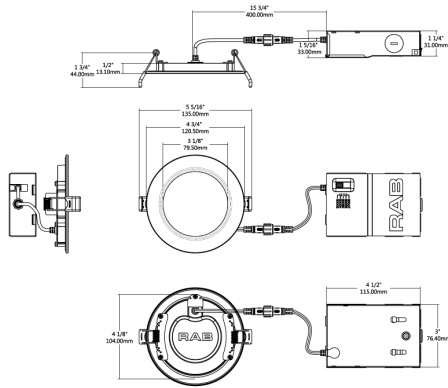
DRI-21-EMGR-DC-D10
Emergency driver 100-277V 21W 0-10V T20

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.



Dimensions



Features

- 5 color temperatures in 1 SKU (2700K, 3000K, 3500K, 4000K, 5000K)
- Super slim back-lit fixture for thin fixture depth
- Suitable for indoor/outdoor applications in dry, damp, or wet environments
- Dimmable, see Dimmer Compatibility List
- Robust, die cast aluminum construction
- Smooth diffused uniform light distribution