WFRL4S99FA120BS



Color: Black

Weight: 0.8 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.10A
208V	N/A
240V	N/A
277V	N/A
Input Watts	9W

LED Info

Watts	9W
Color Temp	2700/3000/3500/4000/5000K
Color Accuracy	90 CRI
L70 Lifespan	N/A
Lumens	750 lm
Efficacy	83

Technical Specifications

Performance

Product Type:
Square, Edge-Lit Wafer

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

Wattage Equivalency:
40W CFL

Input Wattage:
9W

Lumens (Nominal):
750lm

Efficacy:
83lm/W

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

Electrical

Driver:
Constant Current, Class 2 120V 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 to 40°C)

Flicker:
≤30%

LED Characteristics

Beam Angle:
110°

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

Color Tuning:
No

Color Accuracy (CRI):
90 CRI

Natural Spectrum:
No

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.

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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.

Cable:
FT5 Plenum rated cable (per UL2043)

Mounting:
No housing is required, two tension steel spring clips secure luminaire to ceiling. Accommodates ceiling thickness up to 15/16". New construction frames are available.

Construction

Size:
4"

Shape:
Square

Finish:
Black

Enclosure Material:
Constructed from robust UV resistant polycarbonate

Trim Style:
Smooth

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.

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

Certification Model Number:
DLW0166(WFRL4S99FA120BS)

California Title 20 Compliant:
No

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

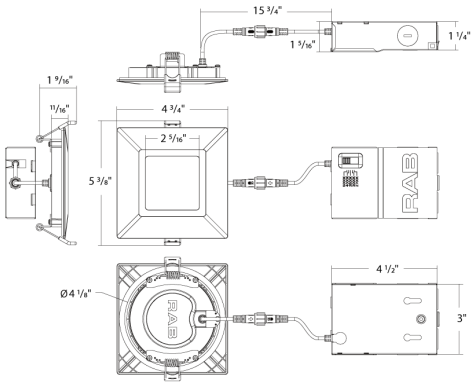
Trade Agreements Act Compliant:
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

Other

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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Dimensions



Features

- 5 color temperatures in 1 SKU (2700K, 3000K, 3500K, 4000K, 5000K)
- Super slim edge-lit fixture for thin fixture depth
- No recessed housing or J-box required
- New construction or retrofit applications
- UL wet location rated
- Smooth diffused uniform light distribution
- Dimmable down to 10% on compatible dimmers
- Spring loaded retention clips
- Robust, die cast aluminum construction
- IC and airtight rated
- 5-Year, No-Compromise Warranty

Ordering Matrix

Family	Size	Shape	Wattage	CRI/Color Temp	Driver	Finish	Trim	Depth
WFRL	4	S	9	9FA	120	B	S	
	3 = 3" **4** = 4" **5** = 5" **6** = 6" **8** = 8"	**R** = Round **S** = Square	**6** = 6W **9** = 9W **10.5** = 10.5W **12** = 12W **13** = 13W **14** = 14W **23** = 23W	**9FA** = 90 CRI, 2700/3000/3500/4000/5000K CCT Adjustable **9CCT** = 90 CRI, 2700/3000/3500/4000/5000K CCT Adjustable	**120** = 120V **D** = 120V/277V	**W** = White **B** = Black **BRZ** = Bronze	**B** = Baffle **S** = Smooth	**Blank** = Standard **S** = Shallow

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