WFRX-2B

RAB

Project:	Type:
Prepared By:	Date:

Color: White　　　　Weight: 0.8 lbs

Driver Info

Type	Constant Current
120V	0.08A/0.07A/0.05A
208V	0.00A/0.00A/0.00A
240V	0.00A/0.00A/0.00A
277V	0.00A/0.00A/0.00A
Input Watts	5.8-9.1W

LED Info

Watts	10/8/06W
Color Temp	2700/3000/3500/4000/5000K
Color Accuracy	90 CRI
L70 Lifespan	50,000 Hours
Lumens	555-927 lm
Efficacy	94.8-104.1 lm/W

Technical Specifications

Performance

Product Type:
2" Edge-Lit Slim Canless Downlight

Description:
2" wafers with selectable wattage and CCT that boast 90 CRI. Designed for 120V use and TRIAC dimming, these wafers are available with a smooth lens.

Wattage Equivalency:
60W Incandescent

Input Wattage:
10/8/6W
Default: 8W

Lumens (Nominal):
900/700/520lm

Measured Lumens:
900/700/520lm

Efficacy:
90/88/87lm/W

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

Electrical

Driver:
Constant Current, Class 2; 120v; 60 Hz; 120V: 90mA

THD:
≤20%

Power Factor:
≥0.9

Dimmable:
Yes, dimmable down to 10% on compatible 120V TRIAC/ELV dimming systems. See Dimmer Compatibility List.

Input Voltage:
120V

Operating Frequency (Hz):
60Hz

Input Current @ 120V (mA):
90mA

Flicker:
≤30%

Construction

Operating Temperature Range:
-4°F - 104°F (-20°C - 40°C)

Size:
2"

Shape:
Round

Finish:
White

Endcap Material:
Plastic

Enclosure Material:
Metal

Trim Style:
Baffle

Lens Finish:
Frosted

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

Air Tight:
Housing certified Air Tight as per ASTM-E283

LED Characteristics

Beam Angle:
110°±10°

Technical Specifications (continued)

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

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 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

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

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® Certified.

Energy Star ID:
4016361

DLC Listed:
No

Certification Model Number:
DLW0141(WFRX-2B)

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

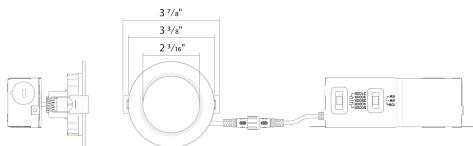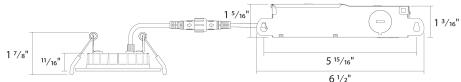DLPLATE/WFR3468/NB
Mounting plate for 3", 4", 5", 6"

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.

WFRX-2B

Dimensions

1 ⁵/₁₆"
1 ³/₁₆"
1 ⁷/₈"
¹¹/₁₆"
5 ¹⁵/₁₆"
6 ½"

3 ⁷/₈"
3 ³/₈"
2 ³/₁₆"

2 ⁷/₁₆"
5 ⁵/₁₆"
1 ⁷/₈"

Features

2"miniature aperture provides the ultimate flexibility for accent and downlighting applications from a single fixture

Field-adjustable power and color temperature

Dimmable at 120V using TRIAC/ELV, see dimmer compatibility list

No recessed housing or j-box required, IC Rated, Air Tight Rated

50,000 hrs, 5-yr no-compromise warranty, Title 24 Compliant

Ordering Matrix

Family	Size/Wattage	Shape	CRI/Color Temp	Finish	Trim	Driver
WFRX	2				B	
	2 = 2", 10/8/6W	**Blank** = Round	**Blank** = 90 CRI, 2700/3000/3500/4000/5000K CCT Adjustable	**Blank** = White	**Blank** = Smooth **B** = Baffle	**Blank** = 120V

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

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