

WFRX 2" Field-Adjustable Wafer



2", Wattage & CCT Adjustable,
120V, TRIAC Dimmable


FIELD
ADJUSTABLE


90 CRI


50,000
HOURS


WET
RATED


IC RATED


AIRTIGHT


120V


TRIAC/
ELV


DEAD
FRONT

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



KEY 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-Hour lifespan
- 5-Year, no-compromise warranty
- Title 24 Compliant

PERFORMANCE

Catalog Number	Size	Trim Style	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Color Temperature	L70 Lifespan	Energy Star ID
WFRX-2	2"	Smooth (White)	60W Incandescent	10/8/6W	900/700/520	90/88/87	Field adjustable via dip switch 2700/3000/3500/4000/5000K	50,000 Hrs	4016361
WFRX-2-K		Smooth (Black)							
WFRX-2B		Baffle (White)							
WFRX-2B-K		Baffle (Black)							

WFRX 2" Field-Adjustable Wafer



PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency Wattage
WFRX-2	6W	2700K	548	94	60W Incandescent
		3000K	552	96	
		3500K	555	97	
		4000K	554	97	
		5000K	549	95	
	8W	2700K	713	93	
		3000K	719	95	
		3500K	725	97	
		4000K	723	96	
		5000K	711	93	
	10W	2700K	828	88	
		3000K	840	90	
		3500K	851	92	
		4000K	849	92	
		5000K	831	88	
WFRX-2-K	6W	2700K	520	89	60W Incandescent
		3000K	519	90	
		3500K	525	92	
		4000K	527	92	
		5000K	526	90	
	8W	2700K	672	88	
		3000K	681	90	
		3500K	690	92	
		4000K	691	92	
		5000K	685	90	
	10W	2700K	841	86	
		3000K	858	89	
		3500K	874	92	
		4000K	875	92	
		5000K	859	88	

WFRX 2" Field-Adjustable Wafer



PHOTOMETRIC (cont'd)

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency Wattage
WFRX-2B	6W	2700K	556	95	60W Incandescent
		3000K	558	95	
		3500K	562	95	
		4000K	561	95	
		5000K	556	95	
	8W	2700K	729	95	
		3000K	736	95	
		3500K	743	95	
		4000K	742	95	
		5000K	732	95	
	10W	2700K	904	99	
		3000K	916	101	
		3500K	928	104	
		4000K	927	102	
		5000K	910	100	
WFRX-2B-K	6W	2700K	520	89	60W Incandescent
		3000K	523	90	
		3500K	527	92	
		4000K	527	92	
		5000K	525	90	
	8W	2700K	673	88	
		3000K	680	90	
		3500K	687	92	
		4000K	687	92	
		5000K	678	89	
	10W	2700K	846	87	
		3000K	858	89	
		3500K	869	91	
		4000K	868	91	
		5000K	855	88	

TECHNICAL SPECIFICATIONS

MODULE CONSTRUCTION

Product Type

2" Edge-lit slim canless downlight

Size

2"

Shape

Round

Trim Style

Smooth flush lens with dead-front non conductive trim

Enclosure Material

Metal+plastic

Finish

Matte white or black

Lens Finish

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

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.

LED CHARACTERISTICS

Beam Angle

110°

Color Temperature

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

Default: 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 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.

ELECTRICAL

Dimmable

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

Driver

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

WFRX-2B: Constant Current, Class 2; 120v; 60 Hz; 120V: 90 mA

Input Voltage

120V

Operating Frequency

60Hz

Operating Temperature

-4°F to 104°F (-20°C to 40°C)

THD

≤20%

Power Factor

≥0.9

Flicker

≤30

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.

Air Tight

Housing certified Air Tight as per ASTM E283

Energy Star Approved

This product is ENERGY STAR® Certified.

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 & LM80 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.

OTHER

Warranty

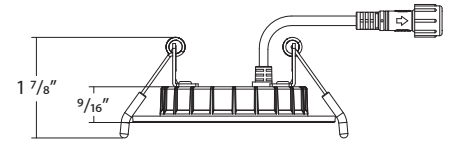
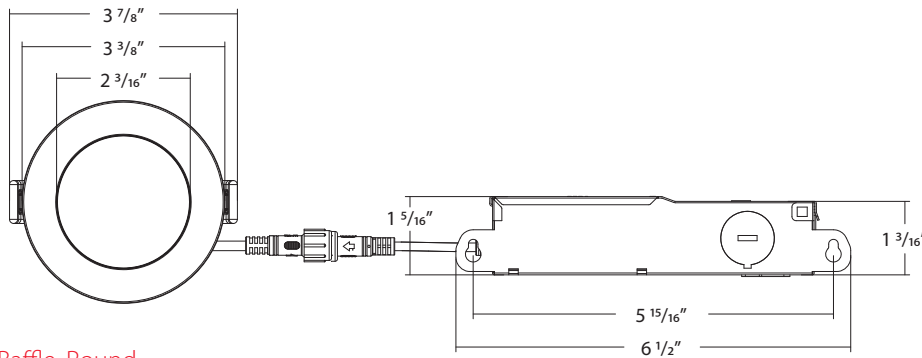
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

WFRX 2" Field-Adjustable Wafer

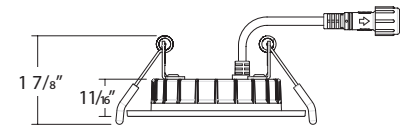
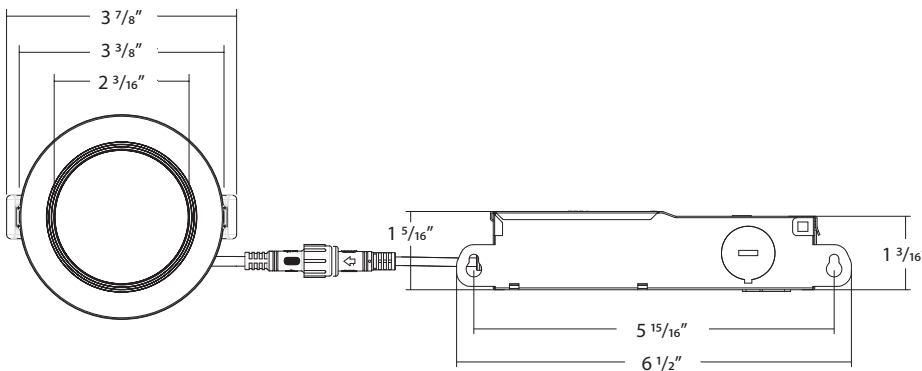


DIMENSIONS

2" Smooth, Round

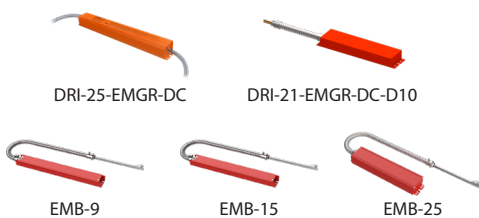


2" Baffle, Round



ACCESSORIES

Emergency Drivers



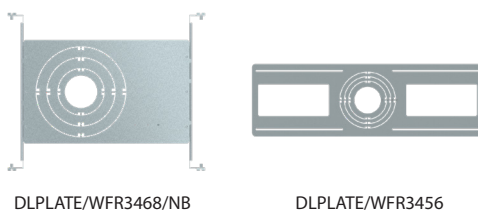
Catalog Number	UPC	Description
DRI-25-EMGR-DC	19813519180	Emergency driver 100-277V 25W
DRI-21-EMGR-DC-D10	192552028264	Emergency driver 100-277V 21W 0-10V T20
EMB-9	192552051187	EM DRIVER 100-347V 9W 0-10V DIM
EMB-15	192552051194	EM DRIVER 100-347V 15W 0-10V DIM
EMB-25	192552051200	EM DRIVER 100-347V 25W 0-10V DIM

Extension Cables



Catalog Number	UPC	Description
EXTCBL-FA-6	019813908502	6' Extension Cable for Wafer FA
EXTCBL-FA-12	019813908519	12' Extension Cable for Wafer FA
EXTCBL-FA-20	019813908526	20' Extension Cable for Wafer FA

Mounting Plates



Catalog Number	UPC	Description
DLPLATE/WFR3468/NB	192552000673	Mounting plate for 2", 3", 4", 6", 8" with nailer bar
DLPLATE/WFR3456	192552025584	Mounting plate for 2", 3", 4", 5", 6" Wafer

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ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
WFRX-2	DLW0140(WFRX-2)	192552045872	6
WFRX-2B	DLW0141(WFRX-2B)	192552054089	6
WFRX-2-K	DLW0152(WFRX-2-K)	192552060431	6
WFRX-2B-K	DLW0153(WFRX-2B-K)	192552060448	6

ORDERING MATRIX

Family	Size/ Wattage	Shape	CRI/Color Temp	Trim	Driver	Finish
WFRX	2					
	2 2", 10/8/6W	Blank Round	Blank 90 CRI, CCT Adjustable	Blank B Smooth Baffle	Blank 120V; TRIAC/ELV	Blank K White Black

Dimmer Compatibility List

		Dimmer compatibility						
Brand	Dimmer Cat NR	1 Lamp	2 Lamp	3 Lamp	4 Lamp	5 Lamp	6 Lamp	Dimming Level
LUTRON	SCL-153P	✓	✓	✓	✓	✓	✓	10%
LUTRON	DVCL-153P	✓	✓	✓	✓	✓	✓	10%
LEGRAND	DCL453PTCCCV6	✓	✓	✓	✓	✓	✓	10%
LUTRON	TGCL-153PH-WH	✓	✓	✓	✓	✓	✓	10%
LEVITON	R50-IPL06-10M	✓	✓	✓	✓	✓	✓	10%
LUTRON	DVWCL-153PH-WH	✓	✓	✓	✓	✓	✓	10%
RAB	XDIM/[LCB][S]	✓	✓	✓	✓	✓	✓	10%