

WFRX Edge-Lit, Field-Adjustable Wafer



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Round, slim, canless downlights
- Smooth & baffle trims in 4" & 6"
- 5 Selectable CCTs and 3 wattages
- 120-277V universal driver with TRIAC dimming down to 10%
- IC rated, air tight, wet location & Energy Star

Wafers with Field-Adjustable Wattage & CCT



PERFORMANCE

Catalog Number	Size	Trim Style	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Color Temperature	L70 Lifespan
WFRX-4D	4"	Smooth (White)	60W Incandescent	12/10/8W	1100/825/675	92/83/84	Field adjustable via dip switch 2700/3000/3500/4000/5000K	50,000 Hrs
WFRX-4BD		Baffle (White)						
WFRX-4D-K		Smooth (Black)			1000/750/600	83/75/75		
WFRX-4BD-K		Baffle (Black)						
WFRX-6D	6"	Smooth (White)	100W incandescent	15/13/11W	1500/1250/1000	92/83/84		
WFRX-6BD		Baffle (White)						
WFRX-6D-K		Smooth (Black)			1350/1100/900	90/85/82		
WFRX-6BD-K		Baffle (Black)						

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PHOTOMETRIC

Catalog Number	Wattage	Color Temperature	Lumens	Efficacy	Equivalency Wattage
WFRX-4D	12/10/8W	2700K	1065/875/704 lm	107/102/101 lm/W	60W Incandescent
		3000K	1080/886/711 lm	108/104/103 lm/W	
		3500K	1104/904/723 lm	112/107/106 lm/W	
		4000K	1112/910/729 lm	112/108/107 lm/W	
		5000K	1105/906/729 lm	111/106/105 lm/W	
WFRX-4D-K	12/10/8W	2700K	930/751/611 lm	89/92/93 lm/W	60W Incandescent
		3000K	949/763/620 lm	92/94/95 lm/W	
		3500K	980/786/636 lm	96/97/98 lm/W	
		4000K	954/800/647 lm	93/99/99 lm/W	
		5000K	1014/810/658 lm	97/99/100 lm/W	
WFRX-4BD	12/10/8W	2700K	1064/865/685 lm	105/99/98 lm/W	60W Incandescent
		3000K	1085/875/692 lm	109/101/100 lm/W	
		3500K	1108/892/703 lm	111/104/103 lm/W	
		4000K	1115/898/707 lm	112/104/103 lm/W	
		5000K	1108/894/708 lm	110/102/102 lm/W	
WFRX-4BD-K	12/10/8W	2700K	936/749/610 lm	89/91/92 lm/W	60W Incandescent
		3000K	954/761/618 lm	91/92/94 lm/W	
		3500K	984/782/633 lm	96/96/97 lm/W	
		4000K	1006/796/643 lm	97/97/98 lm/W	
		5000K	1009/805/654 lm	95/97/82 lm/W	
WFRX-6D	15/13/11W	2700K	1468/1263/1034 lm	115/112/109 lm/W	100W Incandescent
		3000K	1481/1273/1041 lm	116/114/110 lm/W	
		3500K	1516/1300/1060 lm	120/117/113 lm/W	
		4000K	1532/1314/1071 lm	121/118/114 lm/W	
		5000K	1532/1318/1079 lm	120/117/114 lm/W	
WFRX-6D-K	15/13/11W	2700K	1332/1145/937 lm	102/103/104 lm/W	100W Incandescent
		3000K	1345/1154/943 lm	104/104/105 lm/W	
		3500K	1377/1179/962 lm	108/108/108 lm/W	
		4000K	1393/1194/973 lm	109/109/109 lm/W	
		5000K	1397/1200/982 lm	107/108/109 lm/W	
WFRX-6BD	15/13/11W	2700K	1459/1254/1028 lm	114/112/109 lm/W	100W Incandescent
		3000K	1472/1264/1035 lm	116/113/110 lm/W	
		3500K	1508/1293/1055 lm	120/118/ 113 lm/W	
		4000K	1525/1308/1067 lm	121/118/114 lm/W	
		5000K	1527/1314/1078 lm	119/117/114 lm/W	
WFRX-6BD-K	15/13/11W	2700K	1340/1150/936 lm	101/103/103 lm/W	100W Incandescent
		3000K	1352/1158/941 lm	102/103/104 lm/W	
		3500K	1384/1181/958 lm	106/106/ 107 lm/W	
		4000K	1399/1195/968 lm	107/108/107 lm/W	
		5000K	1400/1201/984 lm	106/107/108 lm/W	

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type

Round 4" and 6" slim canless wafer downlights

Size

4", 6"

Shape

Round

Trim Style

Smooth, Baffle

Enclosure Material

Dead front (non-metallic) trim for corrosive environments.
Aluminum back plate for effective heat dissipation

Finish

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.

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.

Cable

FT5 Plenum rated cable (per UL2043)

LED CHARACTERISTICS

Beam Angle

110°

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); <7-step (3000/3500/4000K) 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

Constant Current, Class 2; 120-277V; 60 Hz; 120V: 110 mA 208V: 60 mA 240V: 55 mA 277V: 46 mA

Input Voltage

120-277V

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

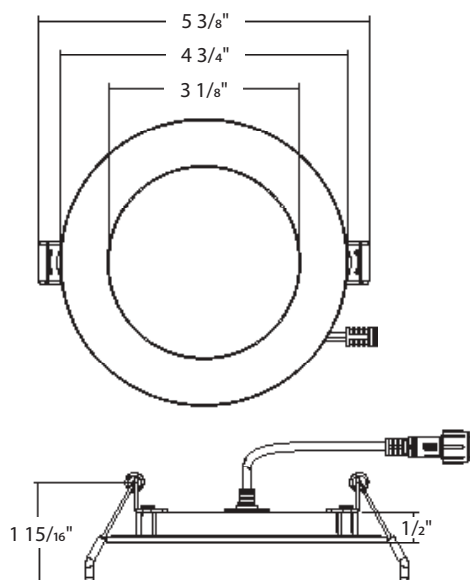
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions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

WFRX Edge-Lit, Field-Adjustable Wafer

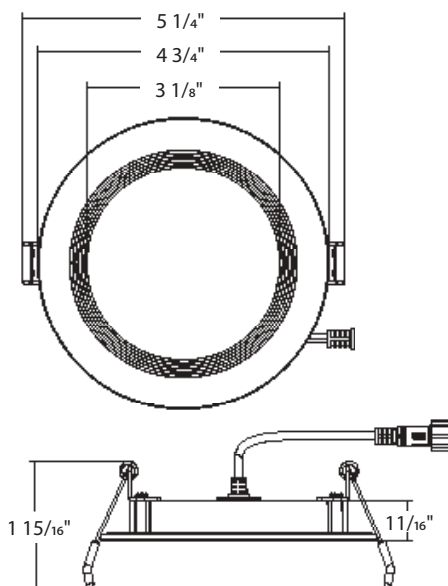


DIMENSIONS

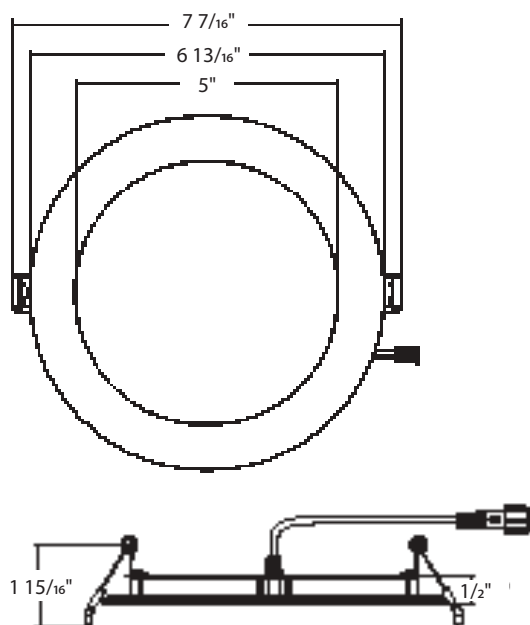
4" Smooth, Round



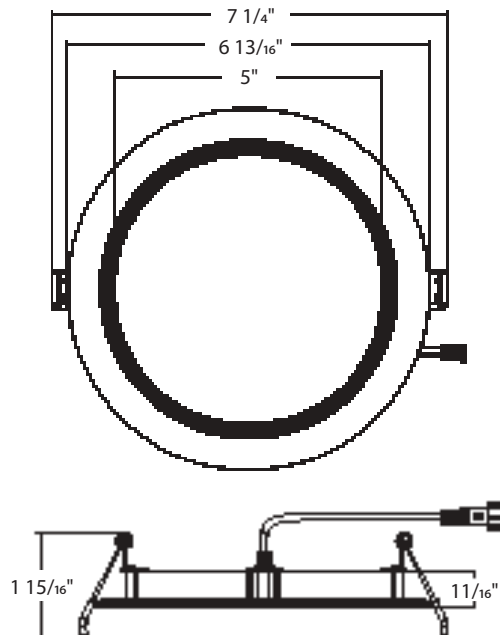
4" Baffle, Round



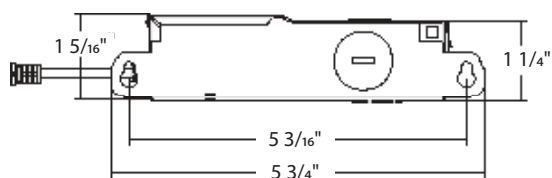
6" Smooth, Round



6" Baffle, Round



Driver/Junction Box



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ACCESSORIES

Color Trim



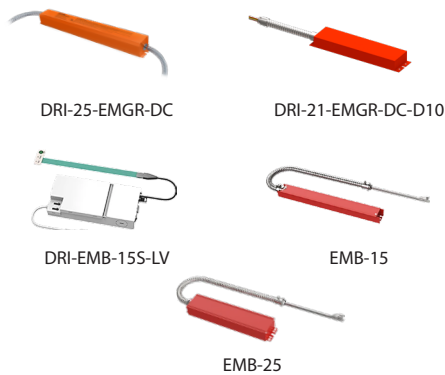
Catalog Number	UPC	Description
WFRL-TRIM-4R-BS	192552013659	4" Color trim round smooth black
WFRL-TRIM-4R-BRS	192552013666	4" Color trim round smooth bronze
WFRL-TRIM-4R-BNS	192552013673	4" Color trim round smooth brushed nickel
WFRL-TRIM-6R-BS	192552013680	6" Color trim round smooth black
WFRL-TRIM-6R-BRS	192552013697	6" Color trim round smooth bronze
WFRL-TRIM-6R-BNS	192552013703	6" Color trim round smooth brushed nickel

Goof Rings



Catalog Number	UPC	Description
WFRL-GOOF-4R-6R-W	192552013604	4"-6" Goof ring round white
WFRL-GOOF-6R-8R-W	192552013611	6"-8" Goof ring round white

Emergency Drivers



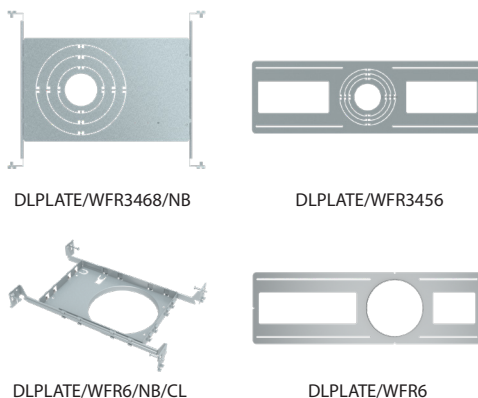
Catalog Number	UPC	Description
DRI-25-EMGR-DC	19813519180	Emergency driver 100-277V 25W
DRI-21-EMGR-DC-D10	192552028264	Emergency driver 100-277V 21W 0-10V T20
DRI-EMB-15S-LV	192552045650	Emergency backup driver
EMB-15	192552051194	Emergency driver 100-347V 15W 0-10V
EMB-25	192552051200	Emergency driver 100-347V 25W 0-10V

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 3", 4", 6", 8" with nailer bar
DLPLATE/WFR3456	192552025584	Mounting plate for 3", 4", 5", 6" Wafer
DLPLATE/WFR4/NB/CL	0192552036993	Mounting plate for 4" wafer with nailer bar and drywall collar
DLPLATE/WFR6/NB/CL	0192552037006	Mounting plate for 6" wafer with nailer bar and drywall collar
DLPLATE/WFR4	192552039819	Mounting plate for 4" wafer
DLPLATE/WFR6	192552039826	Mounting plate for 6" wafer

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ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
WFRX-4D	DLW0132(WFRX-4D)	192552017978	6
WFRX-4BD	DLW0133(WFRX-4BD)	192552017985	6
WFRX-6D	DLW0134(WFRX-6D)	192552017992	6
WFRX-6BD	DLW0135(WFRX-6BD)	192552018005	6
WFRX-4D-K	DLW0154(WFRX-4D-K)	192552060455	6
WFRX-4BD-K	DLW0155(WFRX-4BD-K)	192552060462	6
WFRX-6D-K	DLW0156(WFRX-6D-K)	192552060479	6
WFRX-6BD-K	DLW0157(WFRX-6BD-K)	192552060486	6

ORDERING MATRIX

Family	Size/ Wattage	Shape	CRI/Color Temp	Trim	Driver	Finish
WFRX	4 4", 12/10/8W 6 6", 15/13/11W	Blank Round	Blank 90 CRI, CCT Adjustable	Blank B Smooth Baffle	D 120-277V, TRIAC Dimming	Blank K White Black

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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%

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