

WFRL Square CCT-Adjustable Wafer



WFRL4S99FA120WB



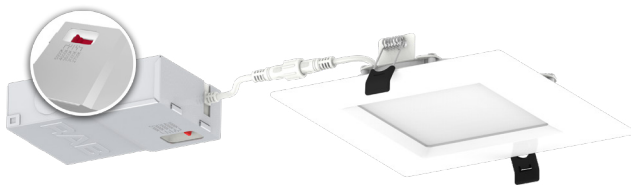
WFRL4S99FA120WS



WFRL6S139FA120WB



WFRL6S139FA120WS



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Square slim canless downlights
- Smooth, and baffle trims
- Available in painted white or black and decorative color trim overlays
- 5 Color temperature selectable (2700/3000/3500/4000/5000K)
- 120V Triac dimmable driver down to 10%
- IC Rated, air tight, wet location and energy star

4" & 6" Square Slim Recessed Downlight



PERFORMANCE

Catalog Number	Size	Trim	Equivalency	Lumen	Efficacy	EnergyStar 1.0	Color Temperature	L70 Lifetime
WFRL4S99FA120WB	4"	Baffle	60W Incandescent	750 lm	83 lm/W	Yes	Field-Adjustable 2700/3000/3500/4000/5000K	50,000 hrs
WFRL4S99FA120WS		Smooth						
WFRL6S139FA120WB	6"	Baffle	75W Incandescent	1,100 lm	85 lm/W	Yes		
WFRL6S139FA120WS		Smooth						

PHOTOMETRIC

4" Wafer

Catalog Number	Wattage	CCT	Lumens	Efficacy
WFRL4S99FA120WB	9W	2700K	752 lm	84 lm/W
		3000K	758 lm	84 lm/W
		3500K	786 lm	87 lm/W
		4000K	794 lm	88 lm/W
		5000K	790 lm	88 lm/W
WFRL4S99FA120WS	9W	2700K	760 lm	84 lm/W
		3000K	765 lm	85 lm/W
		3500K	786 lm	87 lm/W
		4000K	794 lm	88 lm/W
		5000K	790 lm	88 lm/W

6" Wafer

Catalog Number	Wattage	CCT	Lumens	Efficacy
WFRL6S139FA120WB	13W	2700K	1,121 lm	86 lm/W
		3000K	1,182 lm	91 lm/W
		3500K	1,262 lm	97 lm/W
		4000K	1,283 lm	99 lm/W
		5000K	1,281 lm	99 lm/W
WFRL6S139FA120WS	13W	2700K	1,219 lm	94 lm/W
		3000K	1,266 lm	97 lm/W
		3500K	1,314 lm	101 lm/W
		4000K	1,334 lm	103 lm/W
		5000K	1,329 lm	102 lm/W

TECHNICAL SPECIFICATIONS

MODULE CONSTRUCTION

Product Type

Square, Edge-Lit Wafer

Size

4", 6"

Shape

Square

Trim Style

Smooth or baffle

Enclosure Material

4": Plastic, 6": Metal+plastic

Finish

White

Lens Finish

Polycarbonate

REMOTE DRIVER CONSTRUCTION

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

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

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.

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.

ELECTRICAL

Dimmable

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

Driver

Constant Current, Class 2, 60 Hz; 120V

Power Factor

≥0.9

Input Voltage

120V

Operating Frequency

60Hz

Operating Temperature

-4°F to 104°F (-20°C to 40°C)

THD

≤20%

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.

FCC

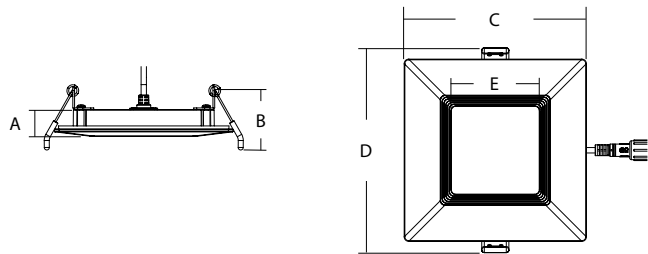
Complies with Part 15 of the FCC Rules.

RoHS

Mercury and UV free. RoHS-compliant components.

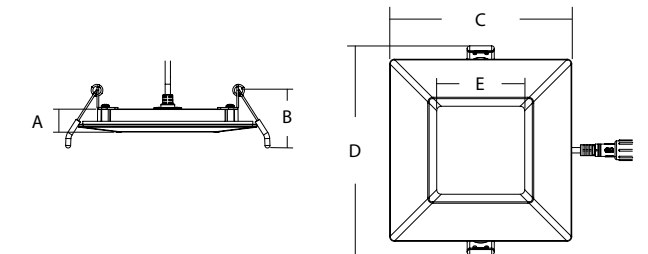
DIMENSIONS

Baffle, Square



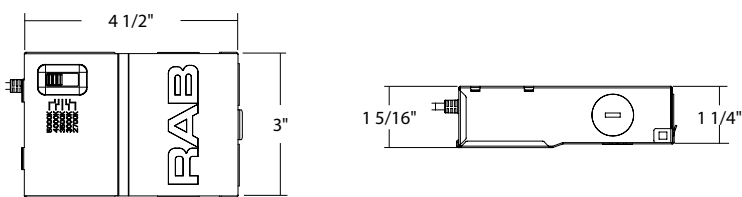
Size	A	B	C	D	E
4"	11/16"	1 9/16"	4 3/4"	5 3/8"	2 5/16"
6"	11/16"	1 5/8"	6 13/16"	7 3/8"	3 5/8"

Smooth, Square



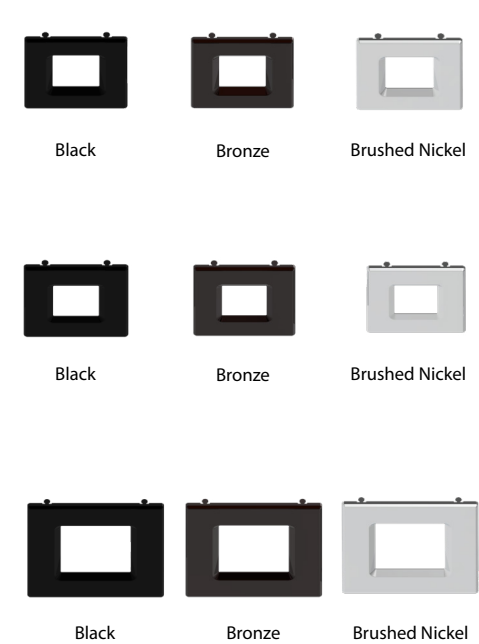
Size	A	B	C	D	E
4"	5/8"	1 9/16"	4 3/4"	5 7/16"	2 5/16"
6"	5/8"	1 5/8"	6 13/16"	7 7/16"	3 5/8"

Driver/Junction Box



ACCESSORIES

Color Trim



Catalog Number	UPC	Description
DLTRIM/WFRL4S-BS	192552023931	4" Square Trim, Smooth, Black
DLTRIM/WFRL4S-BRS	192552023955	4" Square Trim, Smooth, Bronze
DLTRIM/WFRL4S-BNS	192552023948	4" Square Trim, Smooth, Brushed Nickel

Catalog Number	UPC	Description
DLTRIM/WFRL4S-BB	192552023962	4" Square, Baffle, Trim, Black
DLTRIM/WFRL4S-BRB	192552023986	4" Square Trim, Baffle, Bronze
DLTRIM/WFRL4S-BNB	192552023979	4" Square Trim, Baffle, Brushed Nickel

Catalog Number	UPC	Description
DLTRIM/WFRL6S-BS	192552023993	6" Square Trim, Smooth, Black
DLTRIM/WFRL6S-BRS	192552024013	6" Square Trim, Smooth, Bronze
DLTRIM/WFRL6S-BNS	192552024006	6" Square Trim, Smooth, Brushed Nickel

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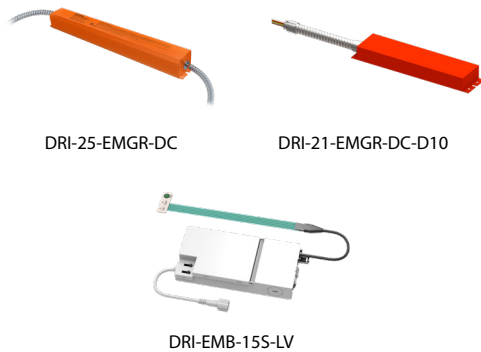
ACCESSORIES (CONT'D)

Color Trim



Catalog Number	UPC	Description
DLTRIM/WFRL6S-BB	192552024020	6" Square, Baffle, Trim, Black
DLTRIM/WFRL6S-BRB	192552024044	6" Square Trim, Baffle, Bronze
DLTRIM/WFRL6S-BNB	192552024037	6" Square Trim, Baffle, Brushed Nickel

Emergency Driver



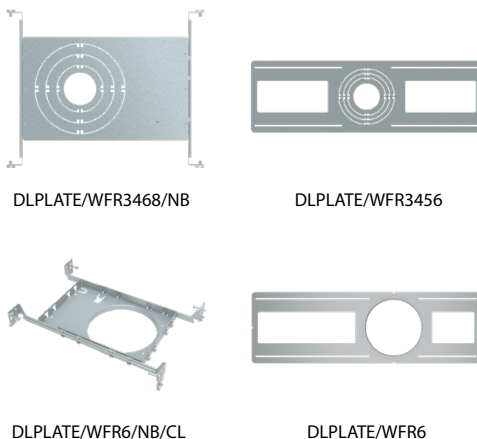
Catalog Number	UPC	Description
DRI-25-EMGR-DC	19813519180	Emergency driver 100-277V 25W
DRI-21-EMGR-DC-D10	192552028264	Emergency driver 100-277V 21W 0-10V T20
DRI-EMB-15S-LV	192552045650	Emergency backup driver

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

WFRL Square CCT-Adjustable Wafer



ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
WFRL4S99FA120WB	DLW0089(WFRL4S99FA120WB)	192552018791	8
WFRL4S99FA120WS	DLW0088(WFRL4S99FA120WS)	192552018784	8
WFRL6S139FA120WB	DLW0091(WFRL6S139FA120WB)	192552018814	8
WFRL6S139FA120WS	DLW0090(WFRL6S139FA120WS)	192552018807	8

ORDERING MATRIX

Family	Size	Shape	Wattage	CRI/Color Temp	Driver	Finish	Trim
WFRL	<div><div></div><div>4 4"</div><div>6 6"</div></div>	<div><div>S</div><div>Square</div></div>	<div><div></div><div>9 (4") 9W</div><div>13 (6") 13W</div></div>	<div><div>9FA</div><div>90CRI; 2700/3000/3500/4000/5000K</div></div>	<div><div>120</div><div>120V; TRIAC/ELV</div></div>	<div><div>W</div><div>White</div></div>	<div><div></div><div>S Smooth</div><div>B Baffle</div></div>