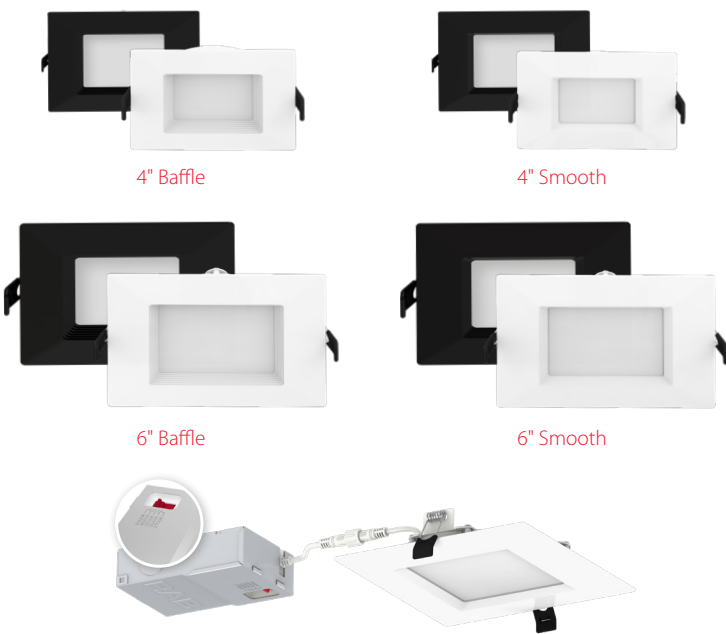


WFRL Square, CCT-Adjustable Wafer

RAB



4" & 6" Square Slim Recessed Downlight

FIELD ADJUSTABLE

90 CRI

IC RATED

AIR TIGHT

WET RATED

50,000 HOURS

120V

TRIAC/ELV

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____

5 YEAR NO-COMPROMISE WARRANTY

UL CERTIFIED

ENERGY STAR

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, Airtight, UL certified for wet locations, ENERGY STAR qualified

PERFORMANCE										
Catalog Number	Size	Trim	Equivalency	Wattage	Lumens	Efficacy (lm/W)	Color Temperature	L70 Lifetime		
WFRL4S99FA120WB	4"	Baffle (White)	60W Incandescent	9W	750	83	Field-Adjustable 2700/3000/3500/4000/5000K	50,000 hrs		
WFRL4S99FA120BB		Baffle (Black)								
WFRL4S99FA120WS		Smooth (White)								
WFRL4S99FA120BS		Smooth (Black)								
WFRL6S139FA120WB	6"	Baffle (White)	75W Incandescent	13W	1100	85				
WFRL6S139FA120BB		Baffle (Black)								
WFRL6S139FA120WS		Smooth (White)								
WFRL6S139FA120BS		Smooth (Black)								

PHOTOMETRICS											
Catalog Number	Wattage	Lumens (lm)					Efficacy (lm/W)				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
WFRL4S99FA120WB	9W	752	758	786	794	790	84	84	87	88	88
WFRL4S99FA120BB		737	747	768	779	782	82	84	87	88	87
WFRL4S99FA120WS		760	765	786	794	790	84	85	87	88	88
WFRL4S99FA120BS		752	761	780	789	791	87	89	92	93	91
WFRL6S139FA120WB	13W	1121	1182	1262	1283	1281	86	91	97	99	99
WFRL6S139FA120BB		1068	1076	1103	1127	1131	90	90	94	96	94
WFRL6S139FA120WS		1219	1266	1314	1334	1329	94	97	101	103	102
WFRL6S139FA120BS		1079	1088	1117	1143	1150	93	94	97	99	98

TECHNICAL SPECIFICATIONS

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 or black

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.

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

Plenum Rated

Classified by UL 2043 Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces.

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

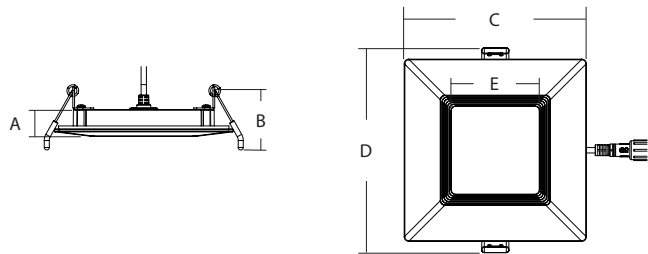
Complies with Part 15 of the FCC Rules.

RoHS

Mercury and UV free. RoHS-compliant components.

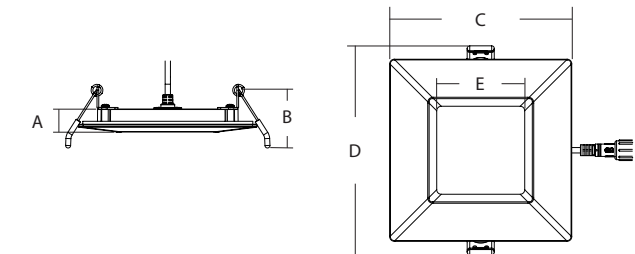
DIMENSIONS

Baffle, Square



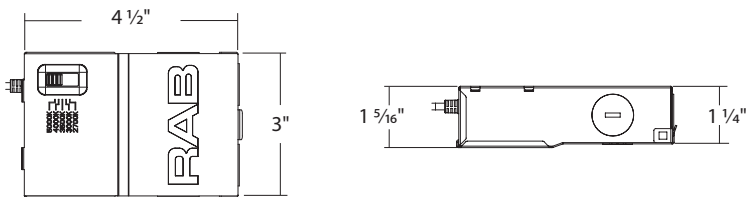
Size	A	B	C	D	E
4"	1 1/16"	1 9/16"	4 3/4"	5 3/8"	2 5/16"
6"	1 1/16"	1 5/8"	6 13/16"	7 3/8"	3 5/8"

Smooth, Square



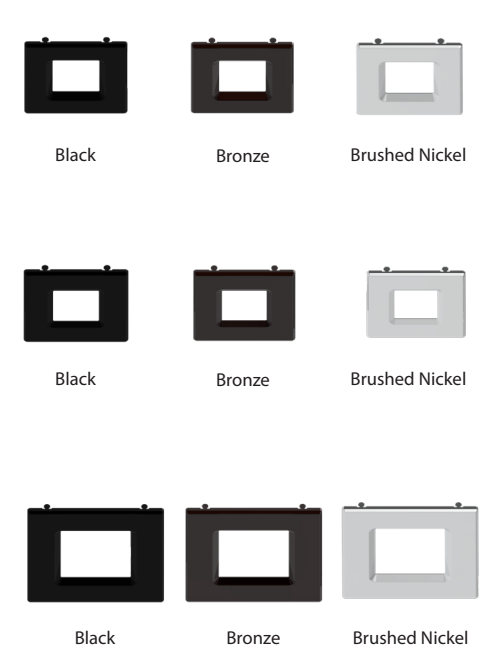
Size	A	B	C	D	E
4"	5/8"	1 9/16"	4 3/4"	5 7/16"	2 5/16"
6"	5/8"	1 5/8"	6 13/16"	7 7/16"	3 5/8"

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

WFRL Square, CCT-Adjustable Wafer



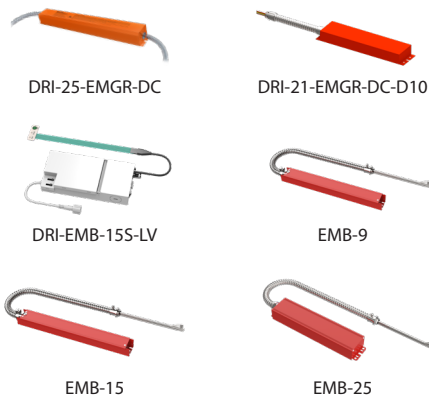
ACCESSORIES (CONT'D)

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



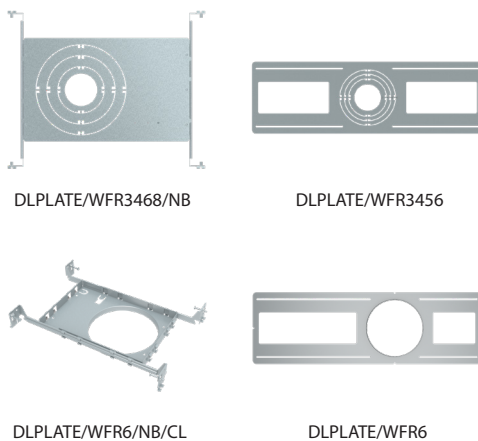
Catalog Number	UPC	Description
DRI-25-EMGR-DC	19813519180	Emergency driver 100-277V 25W
DRI-21-EMGR-DC-D10	192552028264	Emergency driver 100-277V 21W 0-10V T20
DRI-EMB-15S-LV	192552045650	Emergency backup driver
EMB-9	192552051187	Emergency driver 100-347V 9W 0-10V
EMB-15	192552051194	Emergency driver 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

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
WFRL4S99FA120BS	DLW0166(WFRL4S99FA120BS)	192552060530	8
WFRL4S99FA120BB	DLW0167(WFRL4S99FA120BB)	192552060547	8
WFRL6S139FA120BS	DLW0168(WFRL6S139FA120BS)	192552060554	8
WFRL6S139FA120BB	DLW0169(WFRL6S139FA120BB)	192552060561	8

ORDERING MATRIX

Family	Size	Shape	Wattage	CRI/Color Temp	Driver	Finish	Trim
WFRL	4 4" 6 6"	S Square	9 (4") 9W 13 (6") 13W	9FA 90CRI; CCT-Adjustable	120 120V; TRIAC/ELV	W White B Black	S Smooth B Baffle

Dimmer Compatibility List

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