

FWAFER Fire-Resistant Wafer Downlight



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



4" & 6", Smooth & Baffle, CCT Adjustable, 120V, Triac Dimmable



KEY FEATURES

- Super slim, edge-lit fixture for thin fixture depth
- 5 color temperatures in 1 SKU (2700/3000/3500/4000/5000K)
- No recessed housing or j-box required
- All FWAFER models have been tested to UL 263 and ASTM E119 standards for 2-hour fire resistance.
- TRIAC/ELV dimming (see Dimmer Compatibility List)
- Spring-loaded retention clips
- New construction or remodel applications
- 50,000-Hour lifespan

PERFORMANCE

Catalog Number	Size	Shape	Trim	Equivalency	Lumens	Wattage	Efficacy	CRI	Color Temperature	L70 Lifetime
FWAFER4	4"	Round	Smooth	60W Incandescent	957 Lm	11W	87 Lm/W	90+	Field-Adjustable 2700/3000/3500/4000/5000K	50,000 hrs
FWAFER4B			Baffle							
FWAFER6	6"	Round	Smooth	75W Halogen	1,330 Lm	15W	89 Lm/W			
FWAFER6B			Baffle							

4" Fire-Resistant Wafer

Catalog Number	Wattage	CCT	Efficacy	Lumens	Equivalency Wattage
FWAFER4 FWAFER4B	11W	2700K	84 Lm/W	919Lm	60W Incandescent
		3000K	87 Lm/W	957 Lm	
		3500K	90 Lm/W	991 Lm	
		4000K	90 Lm/W	988 Lm	
		5000K	84 Lm/W	929 Lm	

6" Fire-Resistant Wafer

Catalog Number	Wattage	CCT	Efficacy	Lumens	Equivalency Wattage
FWAFER6 FWAFER6B	15W	2700K	85 Lm/W	1,270 Lm	75W Halogen
		3000K	88 Lm/W	1,313 Lm	
		3500K	91 Lm/W	1,364 Lm	
		4000K	92 Lm/W	1,378 Lm	
		5000K	88 Lm/W	1,327 Lm	

TECHNICAL SPECIFICATIONS

MODULE CONSTRUCTION

Product Type

Canless Fire Resistant Wafer Downlight

Size

4" and 6"

Shape

Round

Enclosure Material

Metal

Finish

White Trim & Red painted housing

Trim Style

Smooth or Baffle

Lens

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

Cut Out Template Size

4" : 4-5/16"

6" : 6-5/16"

COMPLIANCE

Listings

UL Listed

Fire Resistant

All FWAFER models have been tested to UL 263 and ASTM E119 standards for 2-hour fire resistance.

Environment/Fixture Rating

Suitable for indoor and outdoor use in dry, damp, and wet environments.

IC Rated

Suitable for direct contact with insulation

Energy Star Approved

This product is ENERGY STAR® Certified.

Air Tight

Housing certified Air Tight as per ASTM E283

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

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.

DRIVER BOX CONSTRUCTION

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

FT2 Plenum Rated Cable (per UL2043)

Installation

- Tall spring towers allow to be installed in 3/8" up to 5/8" thick ceilings
- Round ceiling cutout template provided in box
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Housing is less than 1/2" thick
- Can be removed from below the ceiling for service or replacement

DRIVER BOX CONSTRUCTION (CONT.)

Remote Driver/Junction Box

Die formed metal driver / junction box with captive hinged junction box cover. Recessed CCT Selectable dipswitch. Listed for (6) #12 AWG 90° C splice conductors, 2-in, 2-out plus (2) ground. (4) 1/2" 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.

ELECTRICAL

Dimming

Yes, using compatible TRIAC/ELV dimming systems. Dimmable down to 10%. (See *Dimmer Compatibility List*)

Driver

4" : Constant Current, Class 2, 60 Hz, 120V, 120V: 0.11A

6" : Constant Current, Class 2, 60 Hz, 120V, 120V: 0.14A

THD

≤20%

Power Factor

≥0.9

Input Voltage

120V

Operating Frequency

60Hz

Operating Temperature

-4°F to 104°F (-20°C to 40°C)

Flicker

5%

LED CHARACTERISTICS

Color Temperature

Field-Adjustable dip switch 2700/3000/3500/4000/5000K

Color Accuracy (CRI)

>90 CRI

R9 Value

High color performance with R9 greater than or equal to 50

Color Consistency

4-step 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.

Beam Angle

90-degree

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.

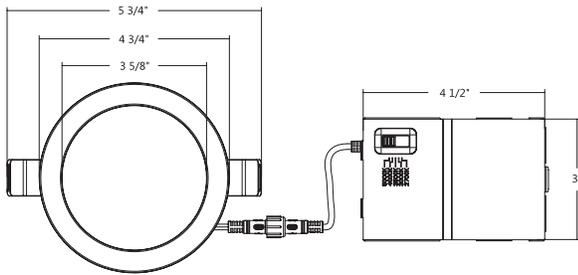
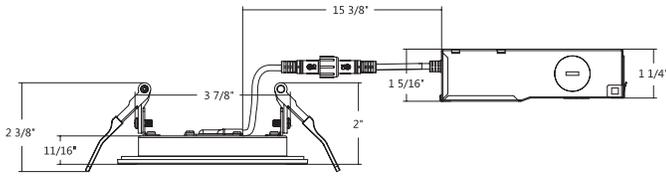
FWAFER Fire-Resistant Wafer Downlight



DIMENSIONS

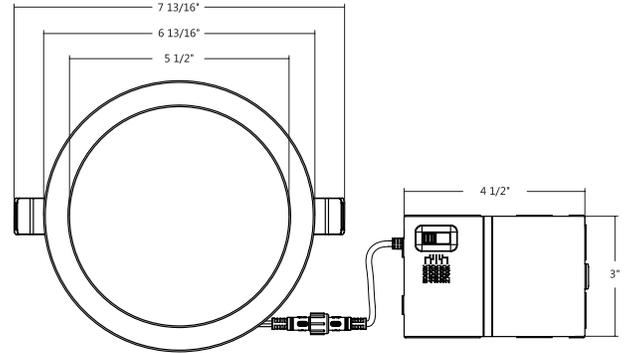
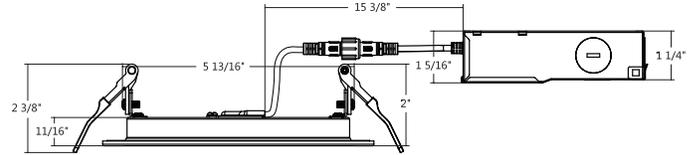
4" Smooth, Round

Weight: 1.02 lbs



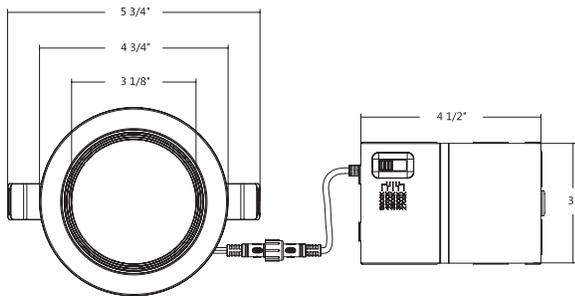
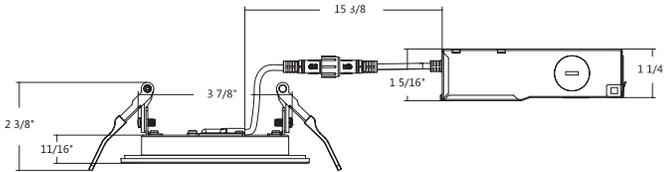
6" Smooth, Round

Weight: 1.36 lbs



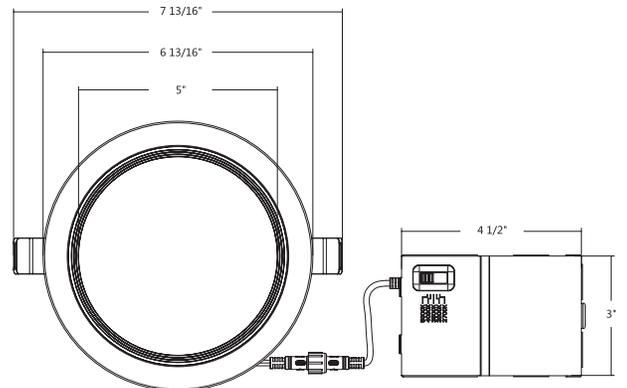
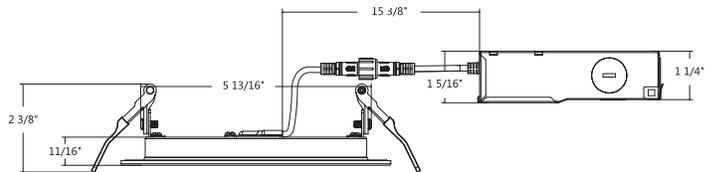
4" Baffle, Round

Weight: 1.02 lbs



6" Baffle, Round

Weight: 1.36 lbs



FWAFER Fire-Resistant Wafer Downlight



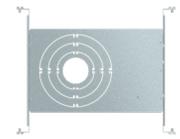
ACCESSORIES

Extension Cables



Catalog Number	UPC	Description
EXTCBL-FA-6	019813908502	6-foot extension cable
EXTCBL-FA-12	019813908519	12-foot extension cable
EXTCBL-FA-20	019813908526	20-foot extension cable

Mounting Plates



DLPLATE/WFR3468/NB



DLPLATE/WFR3456



DLPLATE/WFR4/NB/CL



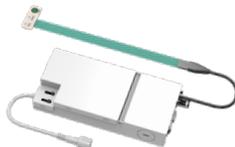
DLPLATE/WFR6/NB/CL

Catalog Number	UPC	Description
DLPLATE/WFR3468/NB	0192552000673	MOUNTING PLATE WITH NAILER BAR FOR WAFER 3/4/6/8IN
DLPLATE/WFR3456	0192552025584	DL ECO MOUNTING PLATE GREY FOR WAFER 3"/4"5"6"
DLPLATE/WFR4/NB/CL	0192552036993	MOUNTING PLATE FOR WAFER 4" W/ DRYWALL COLLAR & EXTENSION BAR
DLPLATE/WFR6/NB/CL	0192552037006	MOUNTING PLATE FOR WAFER 6" W/ DRYWALL COLLAR & EXTENSION BAR

Emergency Drivers



DRI-25-EMGR-DC



DRI-EMB-155-LV



DRI-21-EMGR-DC-D10

Catalog Number	UPC	Description
DRI-25-EMGR-DC	019813519180	EM DRIVER 100-277V 8WINPUT OUTPUT 25W 170VDC
DRI-EMB-155-LV	192552045650	2N1 EM DRIVER 4W 120VAC 30-36VDC 5CCT
DRI-21-EMGR-DC-D10	0192552028264	EM DRIVER 100-277V 21W-300W 0-10V DIM

ORDERING INFO

Catalog Number	Model Number (Energy Star)	UPC	Case Pack
FWAFER4	DLW0096(FWAFER4)	192552030021	6
FWAFER4B	DLW0098(FWAFER4B)	192552028806	6
FWAFER6	DLW0097(FWAFER6)	192552030038	6
FWAFER6B	DLW0099(FWAFER6B)	192552028813	6

ORDERING MATRIX

Family	Size	Shape	CRI/Color Temp	Voltage	Finish	Trim
FWAFER	4 6	4" 6"	Blank Round	Blank	90CRI; 2700/3000/3500/4000/5000K Field-Adjustable	Blank 120V Blank White + Red Blank B Smooth Baffle

FWAFER Fire-Resistant Wafer Downlight



DIMMER COMPATIBILITY LIST

Visit www.rablighting.com for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

Dimmers		Lamp Quantities				Dimming Level
Dimmer Brand	Dimmer Model	1	4	6	8	
RAB	XDIM	✓	✓	✓	✓	10-100%
RAB	SCL-153P	✓	✓	✓	✓	10-100%
LUTRON	MACL-153M	✓	✓	✓	✓	10-100%
LUTRON	SCL-153P	✓	✓	✓	✓	10-100%
LEVITON	Cat.NO.6674	✓	✓	✓	✓	10-100%
LUTRON	DVCL-153P	✓	✓	✓	✓	10-100%
LEVITON	NO.6672	✓	✓	✓	✓	10-100%
LEGRAND	RHCL453PTC	✓	✓	✓	✓	10-100%
LEGRAND	DCL453PTCCCV6	✓	✓	✓	✓	10-100%
LEGRAND	HCL453PTCCCV6	✓	✓	✓	✓	10-100%
LUTRON	CTCL-153PDH-WH	✓	✓	✓	✓	10-100%
LUTRON	TGCL-153PH-WH	✓	✓	✓	✓	10-100%
LEVITON	R12-06672-1LW	✓	✓	✓	✓	10-100%
LEVITON	R50-IPL06-10M	✓	✓	✓	✓	10-100%
LUTRON	DVWCL-153PH-WH	✓	✓	✓	✓	10-100%