

# WFRL Commercial CCT-Adjustable Wafer



PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



## 6" & 8" 120-277V Tri-Mode Dimming Slim Recessed Downlight



### KEY FEATURES

- Round 6" & 8" slim canless downlights smooth & baffle trim
- 5 Color temperature selectable (2700/3000/3500/4000/5000K)
- Universal voltage 120-277V driver
- Tri-Mode Dimmable - Triac, ELV & 0-10V down to 10%

### PERFORMANCE

Catalog Number	Size	Trim	Equivalency	Lumens	Efficacy	EnergyStar 1.0	Dim type	Color Temperature	L70 Lifetime
WFRL6R139FADWB	6"	Baffle	75W Incandescent	1,300 lm	85 lm/W	Yes	TRIAC/ELV or 0-10V	Field-Adjustable 2700/3000/3500/4000/5000K	50,000 hrs
WFRL6R139FADWS		Smooth							
WFRL8R239FADWB	8"	Baffle	150W Incandescent	2,100 lm	83 lm/W	Yes			
WFRL8R239FADWS		Smooth							

### PHOTOMETRIC

#### 6" Wafer

Catalog Number	Wattage	CCT	Efficacy	Lumens
WFRL6R139FADWB	13W	2700K	87 lm/W	1,129 lm
		3000K	92 lm/W	1,190 lm
		3500K	98 lm/W	1,271 lm
		4000K	99 lm/W	1,291 lm
		5000K	99 lm/W	1,289 lm
WFRL6R139FADWS	13W	2700K	88 lm/W	1,139 lm
		3000K	92 lm/W	1,200 lm
		3500K	99 lm/W	1,282 lm
		4000K	100 lm/W	1,304 lm
		5000K	100 lm/W	1,300 lm

#### 8" Wafer

Catalog Number	Wattage	CCT	Efficacy	Lumens
WFRL8R239FADWB	23W	2700K	83 lm/W	1,908 lm
		3000K	86 lm/W	1,973 lm
		3500K	91 lm/W	2,085 lm
		4000K	91 lm/W	2,102 lm
		5000K	90 lm/W	2,073 lm
WFRL8R239FADWS	23W	2700K	83 lm/W	1,920 lm
		3000K	86 lm/W	1,985 lm
		3500K	91 lm/W	2,097 lm
		4000K	92 lm/W	2,115 lm
		5000K	91 lm/W	2,084 lm

## TECHNICAL SPECIFICATIONS

### MODULE CONSTRUCTION

<b>Product Type</b>	<b>Lens Finish</b>
Commercial Edge-Lit Wafer	Frosted
<b>Size</b>	<b>Lens</b>
6", 8"	Polycarbonate
<b>Shape</b>	
Round	
<b>Trim Style</b>	
Smooth or baffle	
<b>Enclosure Material</b>	
Plastic	
<b>Finish</b>	
White	

### 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](http://rablighting.com/warranty).

### ELECTRICAL

#### Dimmable

Yes, dimmable down to 10% on compatible TRIAC/ELV or 0-10V dimming systems. See Dimmer Compatibility List.

#### Driver

Constant Current, Class 2 60 Hz; 120V

#### Power Factor

≥0.9

#### Input Voltage

120-277V

#### 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

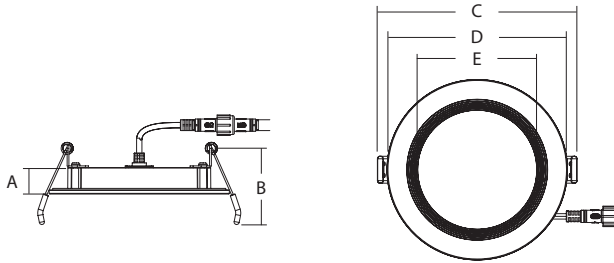
Complies with Part 15 of the FCC Rules.

# WFRL Commercial CCT-Adjustable Wafer



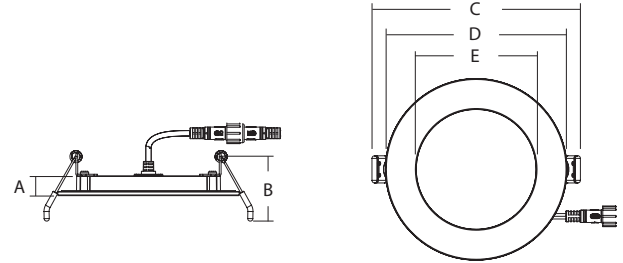
## DIMENSIONS

### Baffle, Round



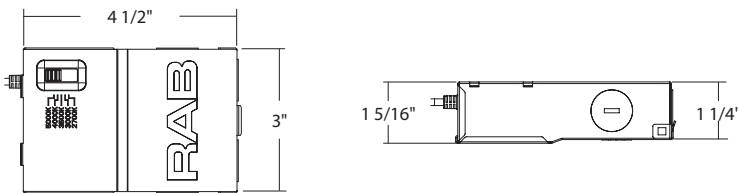
Size	A	B	C	D	E
6"	11/16"	2"	7 3/8"	6 13/16"	5"
8"	11/16"	2"	9 9/16"	8 7/8"	6 15/16"

### Smooth, Round



Size	A	B	C	D	E
6"	1/2"	1 3/4"	7 3/8"	6 13/16"	5"
8"	1/2"	1 3/4"	9 9/16"	8 7/8"	6 15/16"

### Driver/Junction Box



## ACCESSORIES

### Color Trim



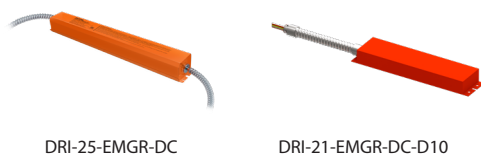
Catalog Number	UPC	Description
WFRL-TRIM-6R-BS	192552013680	6" Color trim round baffle black
WFRL-TRIM-6R-BRS	192552013697	6" Color trim round baffle bronze
WFRL-TRIM-6R-BNS	192552013703	6" Color trim round baffle brushed nickel

### Goof Rings



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

### 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



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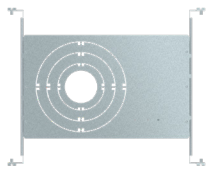
## ACCESSORIES (CONT'D)

### 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



DLPLATE/WFR3468/NB



DLPLATE/WFR3456



DLPLATE/WFR6/NB/CL



DLPLATE/WFR6

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"
DLPLATE/WFR6/NB/CL	0192552037006	Mounting plate for 6" wafer with nailer bar and drywall collar
DLPLATE/WFR6	192552039826	Mounting plate for 6" wafer

## ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
WFRL6R139FADWB	DLW0066(WFRL6R139FADWB)	192552013505	4
WFRL6R139FADWS	DLW0067(WFRL6R139FADWS)	192552013512	4
WFRL8R239FADWB	DLW0069(WFRL8R239FADWB)	192552013529	4
WFRL8R239FADWS	DLW0070(WFRL8R239FADWS)	192552013536	4

## ORDERING MATRIX

Family	Size	Shape	Wattage	CRI/Color Temp	Driver	Finish	Trim
WFRL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	6 6" 8 8"	R Round	13 (6") 13W 23 (8") 23W	9FA 90CRI; 2700/3000/3500/4000/5000K	D 120-277V; TRIAC/ELV & 0-10V Dimming	W White	S Smooth B Baffle