

WFRLA CCT-Adjustable Back-Lit Gimbal Wafer Downlight



4" ROUND

6" ROUND

PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Round Adjustable Gimbal Canless Downlight
- Available in multiple sizes: 4" and 6"
- Flexible 360° rotation and 25° tilt for flexible illumination
- 5 color temperatures in 1 SKU (2700/3000/3500/4000/5000K)
- 120V Triac dimmable down to 10%
- No recessed housing or J-box required
- IC and airtight rated



PERFORMANCE

Catalog#	Equivalency	Shape	Input Wattage	Lumens	Field-Adjustable Color Temperature	CRI	Input Voltage(V)	L70 Lifespan
WFRLA4R89FA120WS	60W CFL	Round	8W	700 lm	2700/3000/3500/4000/5000K	90	120V	50,000
WFRLA6R129FA120WS	75W CFL		12W	1000 lm				

Catalog Number	Wattage	CCT	Efficacy	Lumens
WFRLA4R89FA120WS	60W CFL	2700K	81 lm/W	650 lm
		3000K	86 lm/W	685 lm
		3500K	88 lm/W	705 lm
		4000K	89 lm/W	710 lm
		5000K	88 lm/W	700 lm

Catalog Number	Wattage	CCT	Efficacy	Lumens
WFRLA6R129FA120WS	75W CFL	2700K	79 lm/W	950 lm
		3000K	85 lm/W	1,025 lm
		3500K	88 lm/W	1,060 lm
		4000K	90 lm/W	1,075 lm
		5000K	88 lm/W	1,055 lm

TECHNICAL SPECIFICATIONS

MODULE CONSTRUCTION

Product Type

Canless Back-Lit Adjustable Gimbal Downlight

Fixture Shape

Round

Fixture Finish

White

Trim Style

Smooth

Housing Material

Plastic

Installation

Recessed

Controls

Dip-switch mounted on housing for CCT selection

Optical

25° beam angle with full 360° rotation

Lens

Regressed lens constructed from impact-resistant polycarbonate. Convex lens gives the optic a lamp-like appearance. Provides smooth and diffuse light distribution.

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:

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)

ELECTRICAL

THD

≤20%

Power Factor

≥0.9

Input Voltage

120V

Flicker

≤5

Driver:

Constant Current, Class 2 60 Hz; 120V: 54 mA

Operating Temperature

-4°F to 104°F (-20°C to 40°C)

Dimming

Yes, dimmable down to 10% on compatible TRIAC/ELV dimming systems. See dimmer compatibility list.

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) MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability

LED color temperature is warrantied 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.

COMPLIANCE

Listing

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 Compliant

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.

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 warranty is subject to all terms and conditions found at: rablighting.com

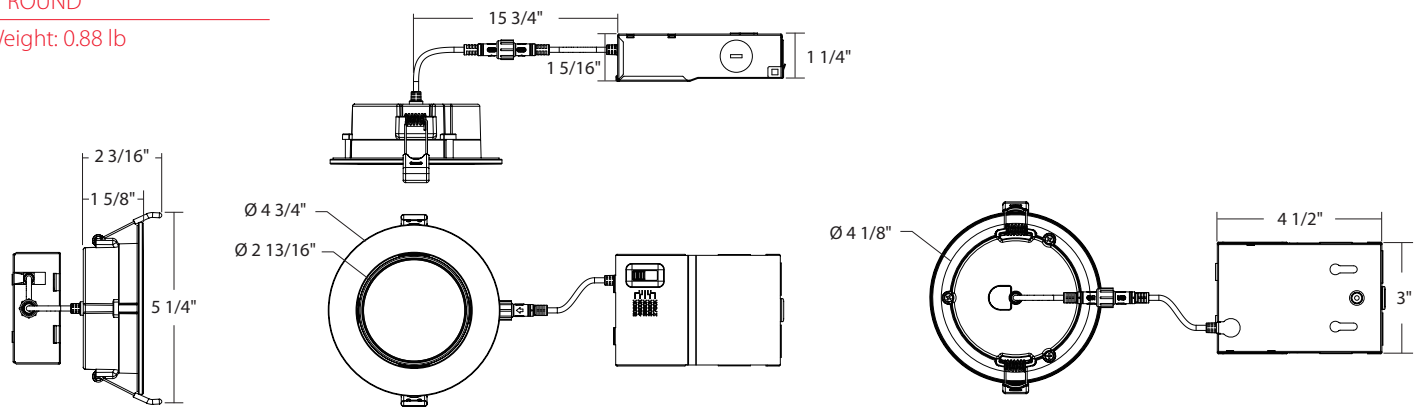
WFRLA CCT-Adjustable Back-Lit Gimbal Wafer Downlight



DIMENSIONS

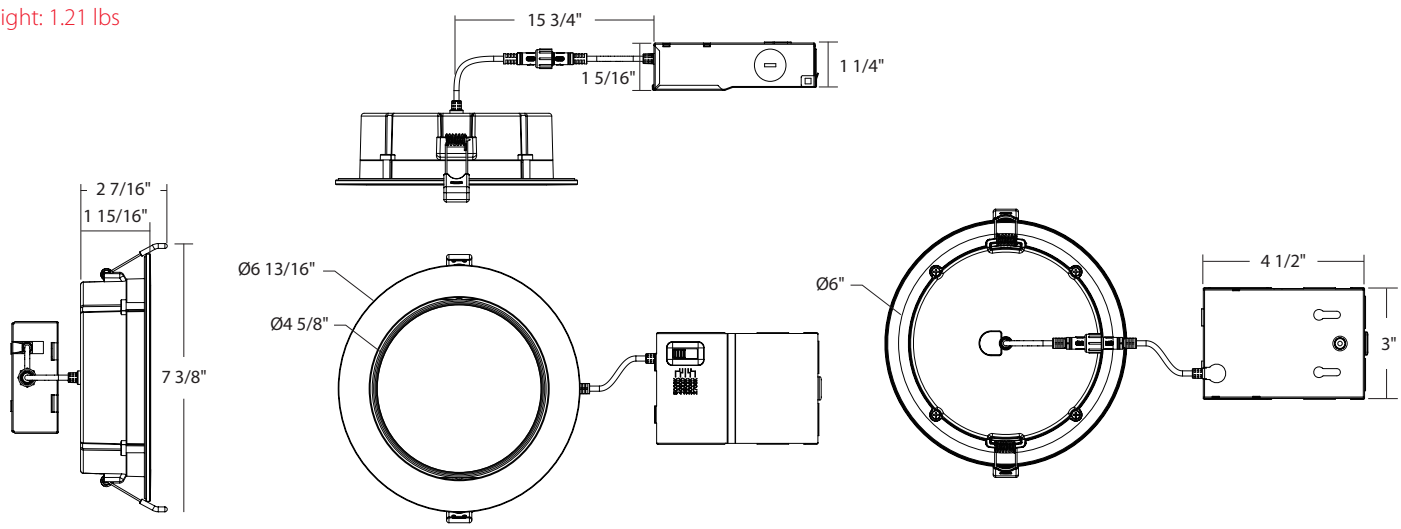
4" ROUND

Weight: 0.88 lb



6" ROUND

Weight: 1.21 lbs



ACCESSORIES

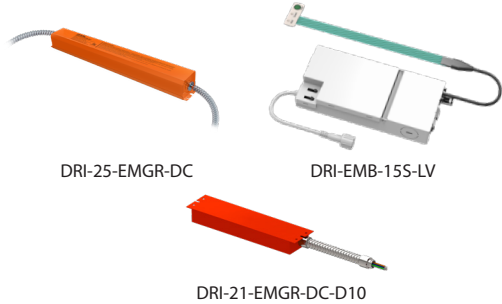
Extension Cables



Catalog Number	UPC	Description
EXTCBL-FA-6	0192552000673	EXT CABLE FOR WAFER FA 6 FOOT
EXTCBL-FA-12	0192552025584	EXT CABLE FOR WAFER FA 12 FEET
EXTCBL-FA-20	0192552036993	EXT CABLE FOR WAFER FA 20 FEET

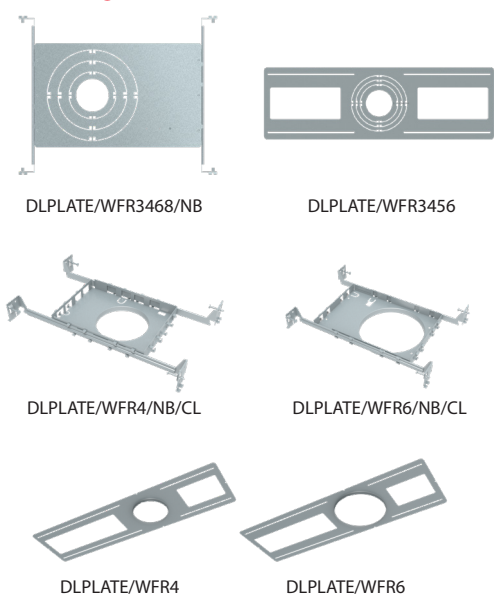
ACCESSORIES (CONT.)

Emergency Drivers



Catalog Number	UPC	Description
DRI-25-EMGR-DC	0192552000673	EXT CABLE FOR WAFER FA 6 FEET
DRI-EMB-155-LV	192552045650	2N1 EM DRIVER 4W 120VAC 30-36VDC 5CCT
DRI-21-EMGR-DC-D10	0192552025584	EXT CABLE FOR WAFER FA 12 FEET

Mounting Plates



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
DLPLATE/WFR4	0192552039819	4" WAFER MOUNTING PLATE W/O NAILER BAR
DLPLATE/WFR6	0192552039826	6" WAFER MOUNTING PLATE W/O NAILER BAR

ORDERING INFO

Catalog Number	Model Number (Energy Star)	UPC	Case Pack
WFRLA4R89FA120WS	DLW0086(WFRLA4R89FA120WS)	192552018760	8
WFRLA6R129FA120WS	DLW0087(WFRLA6R129FA120WS)	192552018777	8

ORDERING MATRIX

Gimbal Wafer

Family	Size	Shape	Wattage	CRI/CCT	Voltage Rating	Finish	Trim
WFRLA	6 4	R Round	12 8	9FA 90CRI, Field-Adjustable (2700/3000/3500/4000/5000K)	120 120 V	W White	S Smooth

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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	2	4	6	10	
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	LCTCL-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%