Edge-Lit Wafer w/Adjustable Motion Sensor
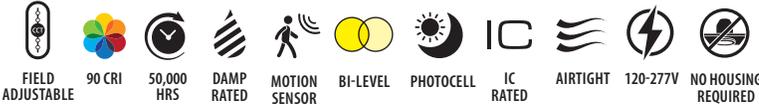
RAB®

Integrated PIR Sensor & Photocell

Available in 4" and 6"

2700K / 3000K / 3500K / 4000K / 5000K — AUTO / Bi-Level / OFF — 10MIN / 5MIN / 30S

4" & 6" Slim Canless Downlight, Smooth & Baffle, 5CCCT Field-Adjustable, Adjustable Motion Settings and Time Out Settings

FIELD ADJUSTABLE | 90 CRI | 50,000 HRS | DAMP RATED | MOTION SENSOR | BI-LEVEL | PHOTOCELL | IC RATED | AIRTIGHT | 120-277V | NO HOUSING REQUIRED

5 YEAR NO-COMPROMISE WARRANTY | ENERGY STAR | CAN BE USED TO COMPLY WITH TITLE 24 PART 6 JA8 HIGH EFFICACY LED LIGHT SOURCE REQUIREMENTS | UL CERTIFIED | RoHS | FC COMPLIANT | nec COMPLIANT

KEY FEATURES

- **5 selectable color temperatures** *(2700/3000/3500/4000/5000K)*
- **Integrated PIR sensor** with adjustable motion modes and hold times
- Integrated dusk-to-dawn **photocell**
- **120-277V**, non-dimmable
- 50,000 hrs, Energy Star, **5-year, No-Compromise Warranty**

PERFORMANCE

Catalog No.	Size	Trim Style	Wattage Equivalency	Input Wattage	Lumens (lm)	Efficacy (lm/W)	Input Voltage	Beam Angle	Color Temperature	CRI	L70 Lifespan	Environment	Energy Star ID
WFR-4R/PIR	4"	Smooth	40W Incandescent	9W	750	83	120-277V	110º	2700/3000/3500/ 4000/5000K Field adjustable via dip switch	90	50,000 hrs	Dry/Damp	TBA
WFR-6R/PIR	6"		75W Incandescent	13W	1100	85							

DISK-4/PIR	2700K	3000K	3500K	4000K	5000K
Input Wattage	8.71W	8.74W	8.61W	8.68W	8.66W
Lumens	764 lm	791 lm	807 lm	799 lm	772 lm
Efficacy	87.7 lm/W	90.4 lm/W	93.7 lm/W	92.1 lm/W	89.1 lm/W

DISK-6/PIR	2700K	3000K	3500K	4000K	5000K
Input Wattage	12.30W	12.40W	12.20W	12.30W	12.30W
Lumens	1145 lm	1183 lm	1220 lm	1218 lm	1166 lm
Efficacy	93.1 lm/W	95.4 lm/W	100.0 lm/W	99.0 lm/W	94.8 lm/W

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Slim style edge-lit surface mount downlight with integrated motion sensor

Size
4", 6"

Shape
Round

Trim Style
Smooth

Enclosure Material
Steel heatsink with robust thermal performance Polyester UV resistant trim

Finish
Matte white, fade & Scratch resistant

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

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

Dimmable
No

Driver
Constant Current 120-277V 60 Hz; 120V: 80mA; 208V: 50mA; 240V: 45mA; 277V: 40mA

Operating Temperature
 -40°F to 122°F *(-40°C to 50°C)*

Power Factor
≥0.9

Flicker
≤30%

Beam Angle
110°

SENSOR SETTINGS

Sensor Connection Type
Integrated

Max Mounting Height
6 ¹/₂ ft

Detection Range
13 ft diameter at 6 ¹/₂ ft mounting height

Sensor Technology
Passive Infrared (PIR)

Adjustable Sensor Settings
Integrated dip switches to adjust Motion Modes and Hold Times

Motion Modes
Auto *(default):* Light OFF during the day, stays OFF at night, turns ON at 100% brightness when motion is detected and stays on until the specified hold time expires and the light turns OFF.

Bi-Level: Light OFF during the day, stays OFF at night, turns ON at 100% brightness when motion is detected and stays on until the specified hold time expires, light reduces to 50% brightness until the specified hold time expires and the light turns OFF.

Off: Motion detection is disabled.

SENSOR SETTINGS (Cont)

Hold Times
30 seconds *(default)*, 5 minutes, 10 minutes

Photocell
When the illuminance of natural light is lower than 65-75 lux, the light sensor will be turned off, and will trigger PIR sensor. When the natural light illuminance exceeds 75-85 lux, the light sensor will trigger and the fixture won't light up.

LED CHARACTERISTICS

Beam Angle
110°

Color Temperature
Default 3000K
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 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

Listings
UL Listed

Environment
Suitable for use indoors in dry and damp 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 (C1).

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

RoHS
Mercury and UV free. RoHS-compliant components

FCC
Complies with Part 15 of the FCC Rules

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.
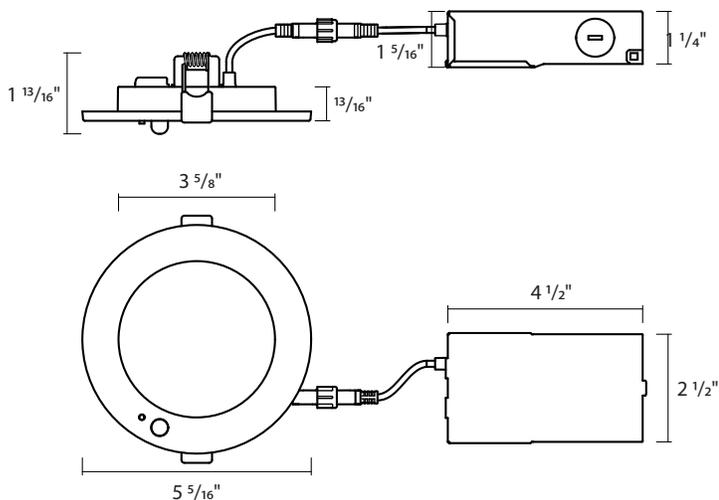
DIMENSIONS

WFR-4R/PIR
Weight: 1.00 lbs

1 13/16"   13/16"   3 5/8"   1 5/16"   1 1/4"   4 1/2"   2 1/2"   5 5/16"

WFR-6R/PIR
Weight: 0.77 lbs

1 13/16"   1 5/16"   1 1/4"   5 1/2"   4 1/2"   2 1/2"   7 1/16"
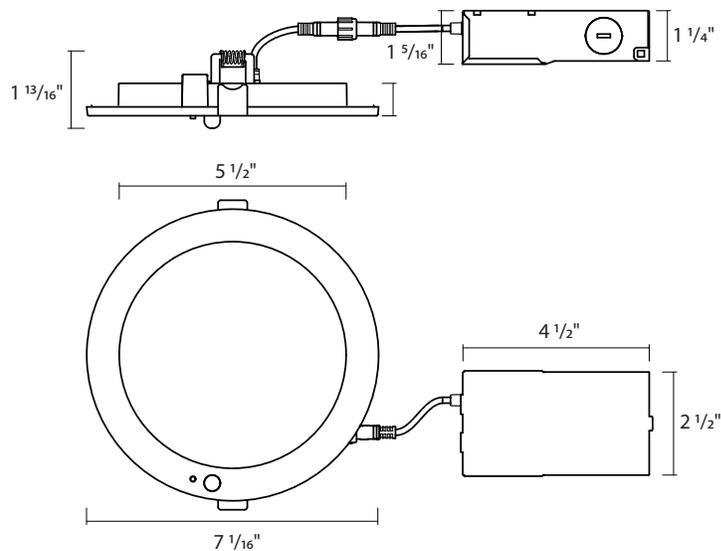
ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
WFR-4R/PIR	DLW0150(WFR-4R/PIR)	192552053983	6
WFR-6R/PIR	DLW0151(WFR-6R/PIR)	192552053990	6

ORDERING MATRIX

Family	Size/Wattage	Shape		CRI/Color Temp	Driver		Finish		Trim		Controls	
WFR											/PIR	
	4 4", 9W 6 6", 13W	Blank	Round	Blank 90CRI, 2700/3000/3500/4000/5000K CCT Adjustable	Blank	120-277V	Blank	White	Blank	Smooth	/PIR	Passive Infrared Occupancy Sensor + Photocell