WFD CCT-Adjustable Recessed Downlight

RAB

4" Smooth

4" Baffle

6" Smooth

6" Baffle

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

CCT FIELD ADJUSTABLE | 90 CRI | IC RATED | AIR TIGHT | WET RATED | 120V | 50,000 HOURS | DIMMABLE | FCC LISTED | RoHS

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____

NO COMPROMISE 5 YEAR WARRANTY

UL CERTIFIED

energy ENERGY STAR

CAN BE USED TO COMPLY WITH 2022 TITLE 24 PART 6 HIGH EFFICACY LED LIGHT SOURCE REQUIREMENTS
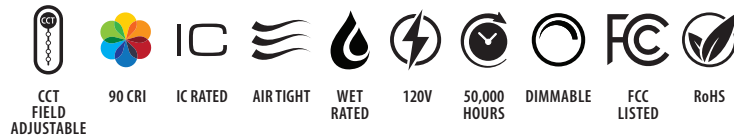
KEY FEATURES

- 5 color temperatures in 1 SKU **(2700/3000/3500/4000/5000K)**
- No recessed housing or J-box required
- **Dimmable** on TRIAC/ELV *(see Dimmer Compatibility List)*
- Suitable for indoor and outdoor use in **dry**, **damp**, and **wet** environments
- **50,000-hour** lifespan
- **5-Year, no-compromise warranty**

PERFORMANCE

Catalog Number	Size	Trim Style	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Color Temperature	Input Current @ 120V (mA)
WFD4B	4"	Baffle	100W Incandescent	13W	1,200 lm	92 lm/W	Field-adjustable dip switch 2700/3000/3500/4000/5000K	120 mA
WFD6B	6"	Baffle	120W Incandescent	15W	1,500 lm	100 lm/W		137 mA
WFD4	4"	Smooth	100W Incandescent	13W	1,200 lm	92 lm/W		120 mA
WFD6	6"	Smooth	120W Incandescent	15W	1,500 lm	100 lm/W		137 mA

Catalog Number	Wattage	CCT	Efficacy	Lumens	Wattage Equivalency
WFD4B WFD4	13W	2700K	102 lm/W	1,213 lm	100W Incandescent
		3000K	105 lm/W	1,241 lm	
		3500K	111 lm/W	1,289 lm	
		4000K	113 lm/W	1,318 lm	
		5000K	112 lm/W	1,331 lm	

Catalog Number	Wattage	CCT	Efficacy	Lumens	Wattage Equivalency
WFD6B WFD6	15W	2700K	108 lm/W	1,525 lm	120W Incandescent
		3000K	112 lm/W	1,562 lm	
		3500K	118 lm/W	1,627 lm	
		4000K	119 lm/W	1,662 lm	
		5000K	118 lm/W	1,685 lm	

WFD CCT-Adjustable Recessed Downlight

TECHNICAL SPECIFICATIONS

MODULE CONSTRUCTION

Product Type
Canless Recessed Downlight

Size
4" & 6"

Shape
Round

Enclosure Material
Metal

Finish
White fade resistant trim

Trim Style
Smooth, baffle

Lens
Polycarbonate

Cut Out Template Size
4 5/16" for 4" wafer
6 5/16"for 6" wafer

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
Yes, dims down to 10% on compatible TRIAC/ELV systems. See Dimmer Compatibility List on rablighting.com.

THD
≤20%

Power Factor
≥0.9

Flicker
5%

Input Voltage
120V

Operating Frequency
60Hz

Operating Temperature
-4°F to 104°F *(-20℃ to 40℃)*

Beam Angle
90°

COMPLIANCE

Listings
UL Listed

Environment
Suitable for use in dry, damp, and 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® Approved
This product is ENERGY STAR®

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.

LED CHARACTERISTICS

Color Temperature
Field-adjustable dip switch 2700/3000/3500/4000/5000K

Color Accuracy (CRI)
>90

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 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.

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.
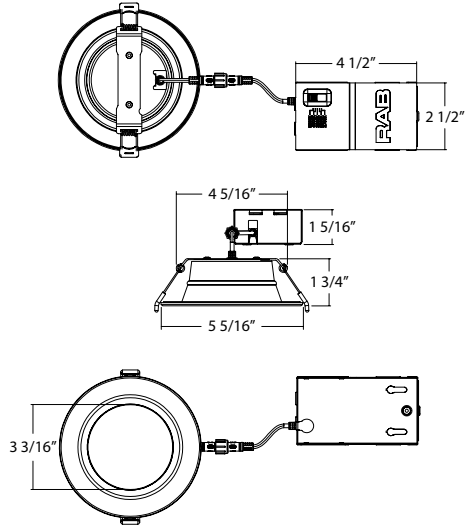
RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.
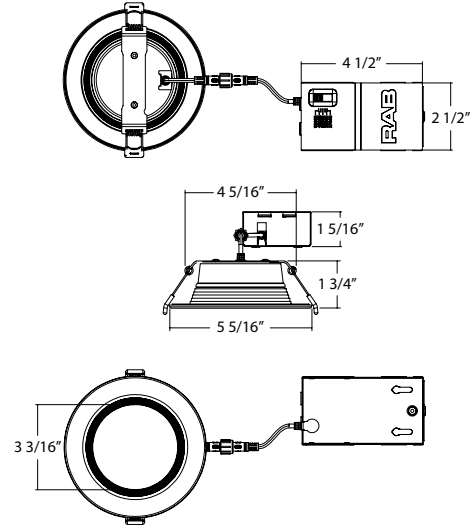
RAB

DIMENSIONS

4" Smooth
Weight: 0.68 lb

4 1/2″
2 1/2″
4 5/16″
1 5/16″
1 3/4″
5 5/16″
3 3/16″

4" Baffle
Weight: 0.68 lb

4 1/2″
2 1/2″
4 5/16″
1 5/16″
1 3/4″
5 5/16″
3 3/16″

6" Smooth
Weight: 0.83 lb

4 1/2″
2 1/2″
6″
1 5/16″
1 11/16″
7 3/8″
3 3/4″

6" Baffle
Weight: 0.83 lb

4 1/2″
2 1/2″
6″
1 5/16″
1 11/16″
7 3/8″
3 3/4″
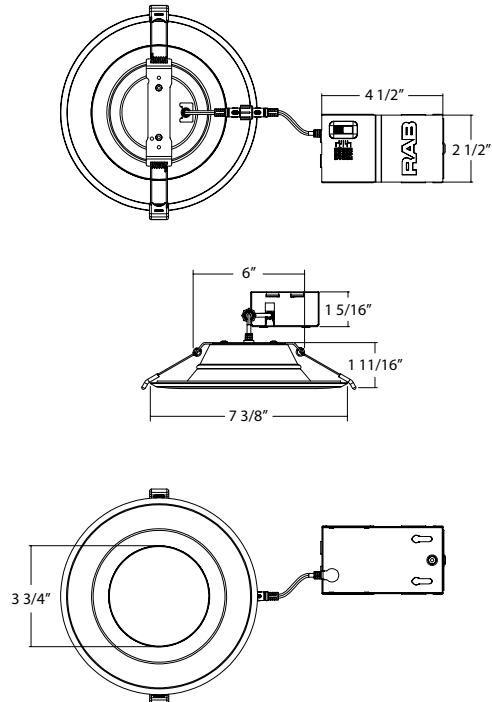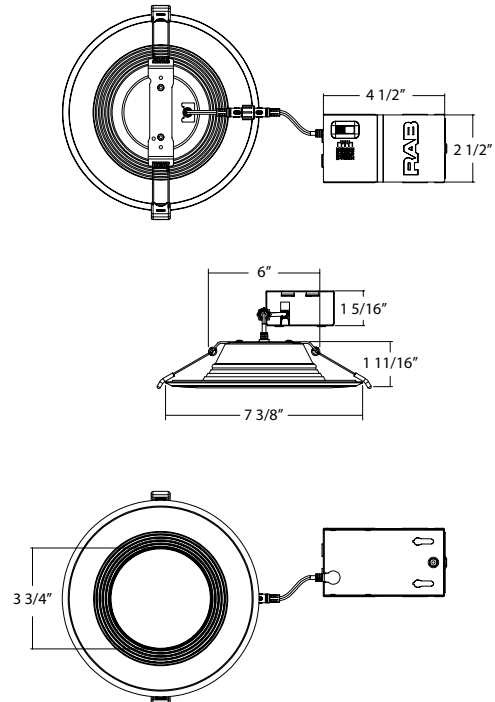
WFD CCT-Adjustable Recessed Downlight

ACCESSORIES

Mounting Plates

DLPLATE/WFR3468/NB

DLPLATE/WFR3456

DLPLATE/WFR4/NB/CL

DLPLATE/WFR6/NB/CL

DLPLATE/WFR4
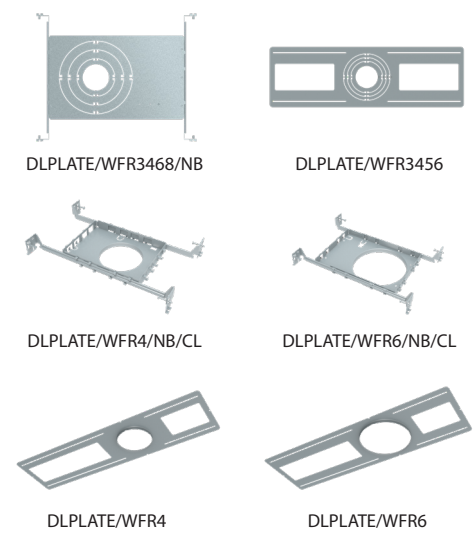
DLPLATE/WFR6

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

Emergency Drivers

DRI-EMB-15S-LV

DRI-25-EMGR-DC
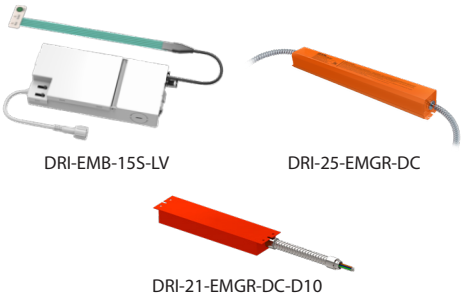
DRI-21-EMGR-DC-D10

Catalog Number	UPC	Description
DRI-EMB-15S-LV	192552045650	Emergency backup driver
DRI-25-EMGR-DC	0192552000673	Emergency backup driver
DRI-21-EMGR-DC-D10	0192552025584	Emergency backup driver

ORDERING INFO

Catalog Number	Certification Model Number	UPC	Case Pack
WFD4B	DLW0102(WFD4B)	192552029216	4
WFD6B	DLW0103(WFD6B)	192552029223	4
WFD4	DLW0100(WFD4)	192552029230	4
WFD6	DLW0101(WFD6)	192552029247	4

ORDERING MATRIX

Family	Size/Wattage		Shape		CRI/Color Temp		Voltage		Finish		Trim	
WFD												
Deep Regress Wafer	4	4", 13W	Blank	Round	Blank	90 CRI, Field-adjustable CCT 2700/3000/3500/4000/5000K	Blank	120V	Blank	White	Blank	Smooth
	6	6", 15W									B	Baffle