

RGBW Edge-Lit Wafers



4" Smooth



4" Baffle



6" Smooth



6" Baffle

Lightcloud® Blue-enabled RGBW edge-lit wafers



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Direct connect to the Lightcloud Blue mobile app via Bluetooth; **no Gateway or Hub required**
- Use mobile device to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more.
- **Tunable White 2200 – 6500K** with smooth transition between color temperatures
- Enable **SmartShift circadian lighting** to get back your body back in sync
- Choose between **16+ million colors** to fit any mood

PERFORMANCE

Catalog Number	Size	Trim	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Color Temperature	Energy Star ID
WFR4/RGB	4"	Smooth	40W Incandescent	8W	550 lm	69 lm/W	Default: 4000K Tunable White 2200 - 6500K 16+ million RGB colors	2732753
WFR6/RGB	6"		75W Halogen	13W	850 lm	65 lm/W		2684115
WFR4B/RGB	4"	Baffle	40W Incandescent	8W	550 lm	69 lm/W		2732753
WFR6B/RGB	6"		75W Halogen	13W	850 lm	65 lm/W		2684115

TECHNICAL SPECIFICATIONS

LIGHTCLOUD BLUE FEATURES

Color Tuning

Choose from 16+ million colors to customize your space to fit every mood.

Tunable White

Adjust the color temperature from 2200K to 6500K via the Lightcloud Blue Remote or the mobile app.

Direct Connect

Use the Lightcloud Blue mobile app to connect to your lamps in minutes via Bluetooth Mesh; no Gateway or Hub required.

Mobile App Control

Use the Lightcloud Blue mobile app to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more.

SmartShift Circadian Lighting

Automatically tunes the color and intensity of lights throughout the day, mimicking the sun's natural pattern.

Scalable

Devices within 60 feet of each other can communicate within the Bluetooth Mesh network to manage up to tens of thousands of devices per account.

TECHNICAL SPECIFICATIONS (CONT.)

LIGHTCLOUD BLUE

Gateway Required

No

Communication Protocol

Bluetooth Mesh

Range

Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction. Up to 200 feet clear line of sight

Spacing Criteria

Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

CONSTRUCTION

Product Type

Edge-Lit Wafer

Shape

Round

Enclosure Material

Plastic

Trim Style

Smooth, baffle

Finish

White

Lens

Polycarbonate

Cut Out Template Size

4" Wafer: 4-5/16"

6" Wafer: 6-5/16"

INSTALLATION

Mounting

Recessed, no housing required

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® Version 2.2 Certified.

DLC Listed

No

T20 Compliant

No

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 Sale 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.

ELECTRICAL

Dimmable

Yes via the Lightcloud Blue mobile app and devices

This lamp will not operate properly when connected to a standard (*incandescent*) dimmer or dimming control.

Power Factor

≥0.9

Input Voltage

120V

Beam Angle

110°

Operating Frequency

60 Hz

Operating Temperature

-4°F to 104°F (-20°C to 40°C)

Flicker

≤30%

TECHNICAL SPECIFICATIONS (CONT.)

LED CHARACTERISTICS

Color Temperature

Default: 4000K

Adjustable using the Lightcloud Blue mobile app

Tunable White 2200K - 6500K

16+ million RGB colors

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 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.

Trade Agreements Act Compliant

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act.

For Emergency Use

This fixture should not be used in emergency applications. Contact RAB for alternative options.

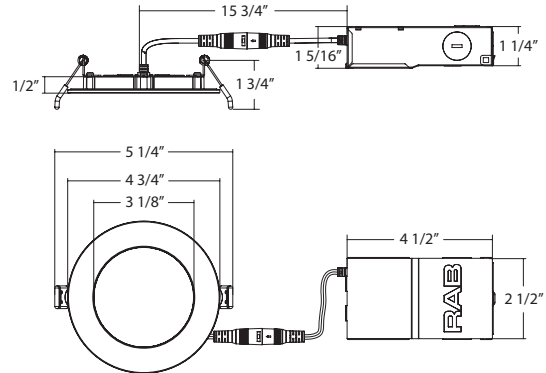
Download the Lightcloud Blue app for free to get started!



DIMENSIONS

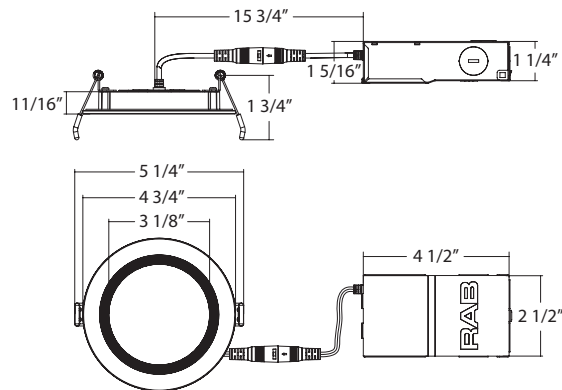
4" Smooth

Weight: 0.79 lb



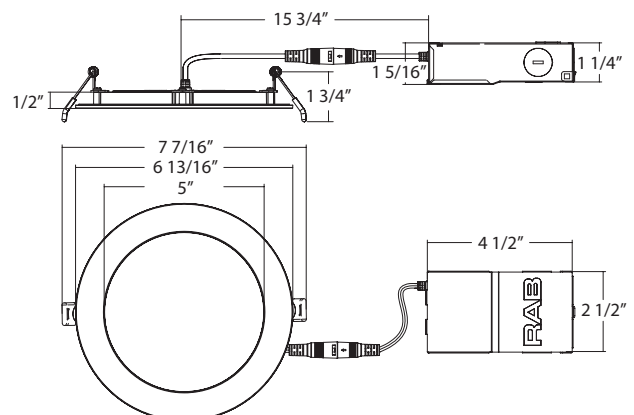
4" Baffle

Weight: 0.79 lb



6" Smooth

Weight: 0.97 lb

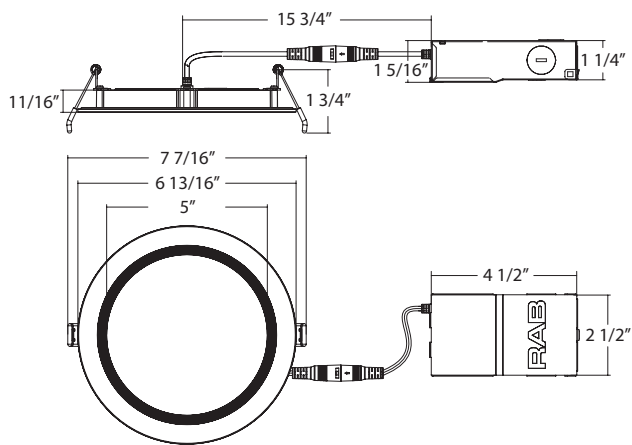


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DIMENSIONS

6" Baffle
Weight: 0.97 lb



ORDERING INFO

Catalog Number	Certification Model Number	UPC	Case Pack
WFR4/RGB	WFR4/RGB	192552030205	6
WFR6/RGB	WFR6/RGB	192552030212	6
WFR4B/RGB	WFR4B/RGB	192552030229	6
WFR6B/RGB	WFR6B/RGB	192552030236	6

ORDERING MATRIX

Family	Size/Wattage		CRI/Color Temp		Voltage		Finish		Trim		RGB Color Tuning	
WFR											/RGB	
Wafer	4	4", 8W	Blank	90CRI, 2200-6500K	Blank	120V	Blank	White	Blank	Smooth Baffle	/RGB	16+ million RGB colors
	6	6", 13W							B			