# RGBW Edge-Lit Wafers

**RAB**

4" Smooth

4" Baffle

6" Smooth

6" Baffle

5 YEAR WARRANTY NO COMPROMISE

UL LISTED

ENERGY STAR

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

## Lightcloud® Blue-enabled RGBW edge-lit wafers

| TUNABLE WHITE | COLOR TUNING | SMARTSHIFT | BLUETOOTH MESH | 90CRI | IC RATED | WET RATED | 50,000 HOURS | DIMMABLE | RoHS |

### 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 | Wattage Equivalency | Input Wattage | Lumens (Nominal) | Efficacy | Color Temperature | CRI | L70 Lifespan | Energy Star ID |
|---|---|---|---|---|---|---|---|---|---|
| WFR4/RGB | 4" | 40W Incandescent | 8W | 550 lm | 69 lm/W | Tunable White 2200K - 6500K 16+ million RGB colors | 90+ | 50,000 hours | 2732753 |
| WFR6/RGB | 6" | 75W Halogen | 13W | 850 lm | 65 lm/W | | | | 2684115 |
| WFR4B/RGB | 4" | 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 a maximum of 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.

**Factory Reset**
**Method 1:** Delete from App
Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete'. The device will flash on/off 5 times and return to full brightness.

**Method 2**: Manual
Power the device off and on 5x consecutively. Do not allow less than 4s to elapse from switching off to on. Do not allow more than 2s to elapse from switching on to off. The device will flash 3x, then reset to 100% brightness at default CCT.

**Method 3**: Rapid Reset Tool
The Rapid Reset process must be done by a professional electrician qualified by RAB. Reach out to your RAB sales manager to request a Rapid Reset Tool. The tool simply needs to be placed directly on the small Lightcloud Blue logo on the device for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.

### 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 requried

### 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%

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**RAB**

## TECHNICAL SPECIFICATIONS (CONT.)

### LED CHARACTERISTICS

**Color Temperature**
Default: 3000K
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.

**Note**
All values are typical (tolerance +/- 10%)

Download the Lightcloud Blue app for free to get started!

Download on the App Store

GET IT ON Google Play

## DIMENSIONS

### 4" Smooth
Weight: 0.79 lb
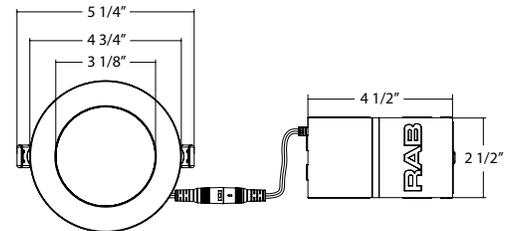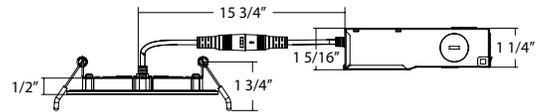


### 4" Baffle
Weight: 0.79 lb
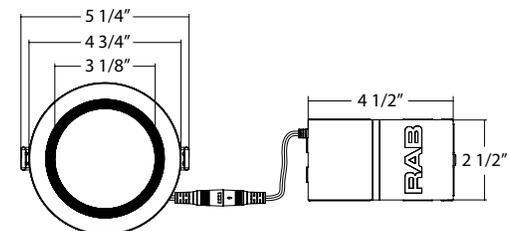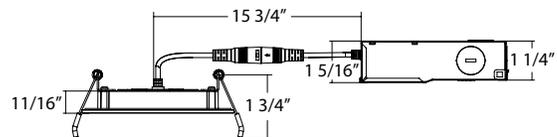


### 6" Smooth
Weight: 0.97 lb

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**RAB®**
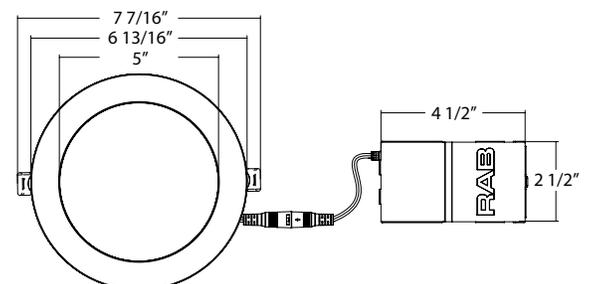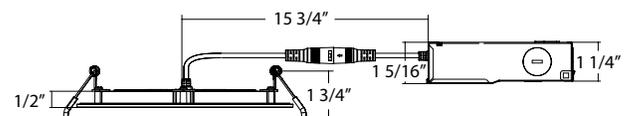
## DIMENSIONS

6" Baffle
Weight: 0.97 lb
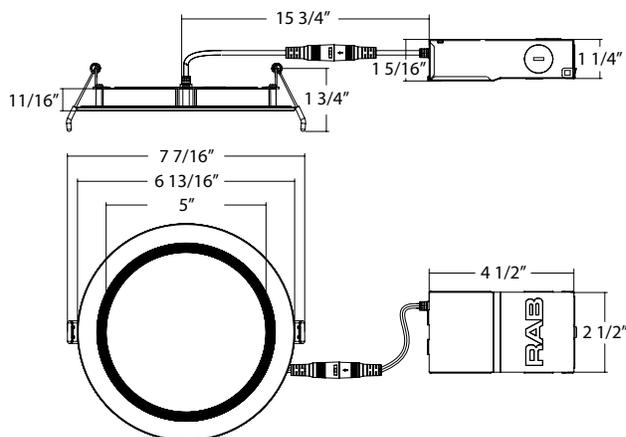


## ORDERING INFO

| 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 | **/RGB** | 16+ million RGB colors |
| | 6 | 6", 13W | | | | | | | B | Baffle | | |