



4" Edge-lit wafer



6" Edge-lit wafer

Lightcloud Blue Edge-Lit Wafer, Natural Spectrum



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 2700 – 6500K** with smooth transition between color temperatures
- **SmartShift** Ready to sync with local sunrise/sunset for healthier, **circadian lighting**
- **Natural Spectrum technology** mimics natural light that renders color accurately
- **5-Year, No-Compromise Warranty**

PERFORMANCE

Catalog Number	Size	Equivalency	Input Wattage	Lumens (Nominal)	Efficacy	Input Voltage	Color Temperature	CRI	L70 Lifespan
WFRL4R99TW120WB-SS-NS/LCB	4"	60W Incandescent	9W	550 Lm	61 Lm/W	120V	Tunable White 2700K - 6500K	95+	50,000 hours
WFRL6R139TW120WB-SS-NS/LCB	6"	65W Halogen	13W	850 Lm	65 Lm/W				

TECHNICAL SPECIFICATIONS

LIGHTCLOUD BLUE FEATURES

Museum-Quality Light

Natural Spectrum technology mimics natural sunlight to deliver ultra-high, 95+ CRI that renders colors accurately so you can see them as they are. It also emits less sleep-disturbing blue light.

Tunable White

Adjust the color temperature from 2700K to 6500K via the Lightcloud Blue mobile app, Remote Control, or other control devices.

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 3,000 devices per account.

TECHNICAL SPECIFICATIONS (CONT.)

LIGHTCLOUD BLUE

Gateway Required

No

Communication Protocol

Bluetooth Mesh

SmartShift

SmartShift is the most advanced—yet easiest to use—circadian lighting system, which syncs white color tuning with the local sunrise and sunset.

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 the downlight is online and select 'Delete'.

Method 2: Manual

Power the downlight 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 switchin on to off. The downlight 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

Metal & Plastic

Trim Style

Baffle

Finish

White

Lens

Acrylic

Beam Angle

110°

Remote Driver

Stamping formed galvanized steel driver / junction box with captive hinged junction box cover.

Recessed CCT Selectable dip-switch.

Listed for (6) #12 AWG 90° C splice conductors

2-in, 2-out plus 2-ground

(4) ½" conduit pry-outs

(3) Push in connectors for quick and reliable line voltage connections. Integral mounting facilitates direct mounting to building structure or mounting frame.

INSTALLATION

Mounting

Recessed

COMPLIANCE

Safety Listing

UL Listed

Environment

Suitable for use in dry, damp, and wet environments.

Fixture Rating

Suitable for use in enclosed fixtures

IC Rated

Suitable for direct contact with insulation

Air Tight

Not compliant

Energy Star Approved

This product is ENERGY STAR® Version 2.2 Certified.

Energy Star ID

4" Edge-lit wafer: 2404279

6" Edge-lit wafer: 2404280

DLC Listed

No. There is no product category on the Design Lights Consortium (DLC) Qualified Products List for this product to qualify under.

T20 Compliant

Not compliant

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

THD

≤20%

Input Voltage

120V

TECHNICAL SPECIFICATIONS (CONT.)

ELECTRICAL

Operating Frequency

60 Hz

Operating Temperature

-4°F to 104°F (-20°C to 40°C)

Flicker

<5%

LED CHARACTERISTICS

LEDs

Edge-lit

Color Temperature

Tunable white 2700K-6500K

Color Accuracy (CRI)

>95 CRI

Natural Spectrum

Low blue LEDs deliver a spectrum of light similar to that of natural Sunlight. They beautifully render colors with greater than 95+ CRI and an R9 value greater than 90. In addition, these LEDs don't suppress melatonin creation which aids in promoting better sleep/wake cycles.

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 warranted 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%)

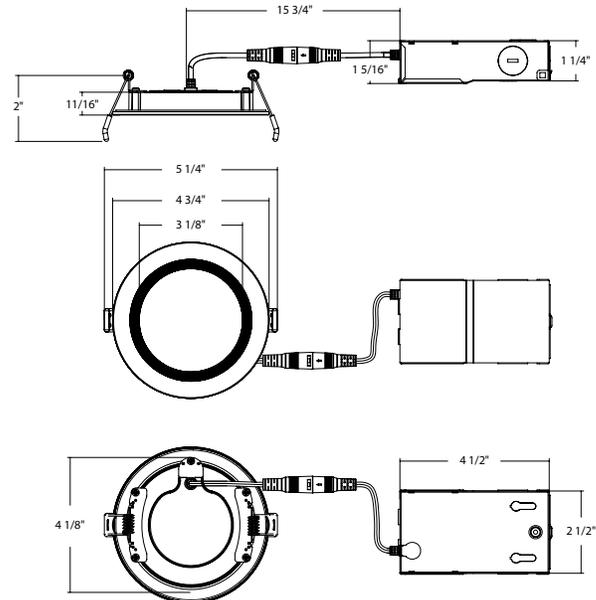
Download the Lightcloud Blue app for free to get started!



DIMENSIONS

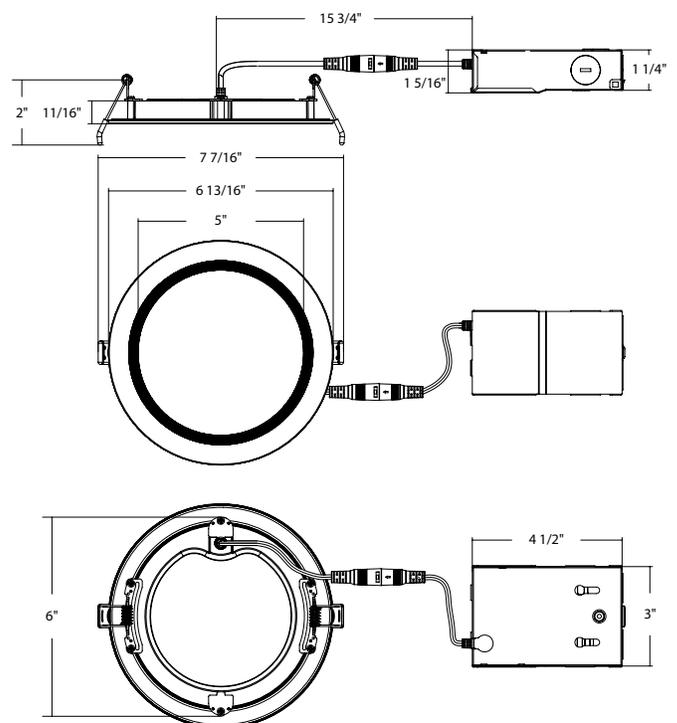
4" 9W Edge-lit wafer

Weight: 0.96 lb



6" 13W Edge-lit wafer

Weight: 1.18 lbs



Lightcloud Blue Edge-Lit Wafers



ACCESSORIES (SOLD SEPARATELY)

Goof Rings



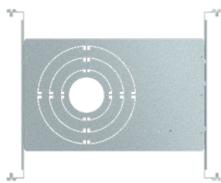
4"



6"

Catalog Number	UPC	Description
WFRL-GOOF-4R-6R-W	192552013604	For extending 4" wafer to 6"
WFRL-GOOF-6R-8R-W	192552013611	For extending 6" wafer to 8"

Mounting Plate



DLPLATE/WFR3468/NB



DLPLATE/WFR3456

Catalog Number	UPC	Description
DLPLATE/WFR3468/NB	192552000673	Mounting plate with nailer bar for 3"/4"/6"/8" wafers
DLPLATE/WFR3456	192552025584	Mounting plate for 3"/4"/6" wafers

Extension Cables



Catalog Number	UPC	Description
EXTCBL-CCT-6	019813908533	6' Extension Cable for Wafer
EXTCBL-CCT-12	019813908540	12' Extension Cable for Wafer
EXTCBL-CCT-20	019813908557	20' Extension Cable for Wafer

ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
WFRL4R99TW120WB-SS-NS/LCB	WFRL4R99TW120WB-SS-NS/LCB	192552025782	6
WFRL6R139TW120WB-SS-NS/LCB	WFRL6R139TW120WB-SS-NS/LCB	192552025799	6

ORDERING MATRIX

Family	Size	Shape	Wattage	CRI/Color Temp	Voltage	Finish	Trim	SmartShift	Natural Spectrum	Controls
WFRL	4 6	4" R 6"	Round 9 13	9W 9TW 13W	90CRI, Tunable White 120 120V W	White	B Baffle	- SS SmartShift	- NS Natural Spectrum 95+ CRI	/LCB Lightcloud Blue-enabled

Note:
4" only available in 9W
6" only available in 13W