



Color: Bronze

Weight: 4.5 lbs

| | |
|---------------------|--------------|
| Project: | Type: |
| Prepared By: | Date: |

| Driver Info | | LED Info | |
|-------------|-------------------------------|----------------|--------------------------------|
| Type | Constant Current | Watts | 48W |
| 120V | 0.15A/0.16A/0.17A/0.39A/0.40A | | 2700-5000K Tunable |
| 208V | 0.10A/0.11A/0.22A/0.23A | Color Temp | White; RGBW 16+ Million Colors |
| 240V | 0.09A/0.10A/0.19A/0.20A | | |
| 277V | 0.08A/0.17A/0.18A | Color Accuracy | 81-85 CRI |
| Input Watts | 18-47.6W | L70 Lifespan | 100,000 Hours |
| | | Lumens | 181-4279 lm |
| | | Efficacy | 9.1-92.6 lm/W |

Technical Specifications

Lightcloud

Lightcloud Blue:

Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - Interior: N1XMLOEATBA; Exterior: NHCZ2BIA17L

Learn more at www.lightcloud.com.

Gateway Required:

No

Communication Protocol:

Bluetooth Mesh

Range:

Indoor: 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. Outdoor: Up to 100 feet clear line of sight; Up to 20 feet around corners. Heavy vegetation, bushes or trees may impact range significantly.

Spacing Criteria:

Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network. Building materials such as brick, concrete, and steel construction or heavy vegetation, bushes or trees may require additional Lightcloud Blue devices to extend around an obstruction.

SmartShift

SmartShift:

SmartShift is the most advanced - yet easiest to use - circadian lighting system, which syncs white color tuning with the local sunrise and sunset. Requires the NANO/LCB (sold separately)

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:
Color temperature: 2700-5000K Tunable White; RGBW 16+ Million Colors
Optics: 16°/34°/48° Beam Angle Adjustable (Factory Setting: 34°)

Compliance

UL Listed:

Suitable for wet locations

IP Rating:

Ingress protection rating of IP65 for dust and water

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

Trade Agreements Act Compliant:

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

LED Characteristics

LEDs:

Long-life, high-efficacy, discrete, surface-mount LEDs

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz 120V: 0.40A, 208V: 0.24A, 240V: 0.20A, 277V: 0.18A

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Technical Specifications (continued)

Dimmable:

Yes, via the Lightcloud Blue mobile app and devices. This fixture will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Dim to Off:

No

Aux Power Supply:

No

Surge Protection:

L-N, L-PE, N-PE: 4 kV

Performance

Lifespan:

100,000-Hour LED lifespan based on IESIm-80 results and TM-21 calculations

Construction

Cold Weather Starting:

The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:

Suitable for use in up to 104°F (40°C)

Housing:

Die-cast aluminum

Tilt Increment:

Rotates in 2 degree increments

Lens:

Glass

Reflector:

Polyethylene Terephthalate (PET)

Gaskets:

Silicone and Nitrile rubber

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Installation

Mounting:

Knuckle arm mount

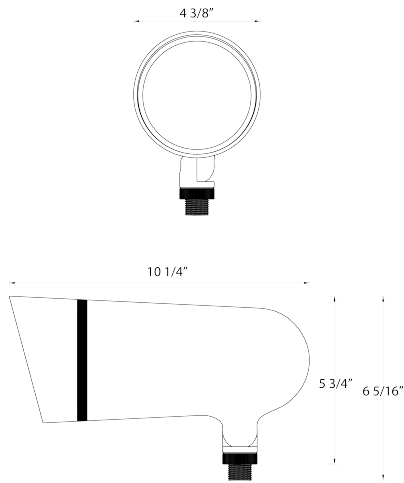
Other

5-Year Limited Warranty:

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. Warranty is subject to all terms and conditions.

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Dimensions



Features

- 100,000-Hour LED lifespan
- IP65 rating protects against dust and water
- 5-Year, limited warranty

Ordering Matrix

| Family | Wattage | Mounting | Color Temp | Optics | Finish |
|--------|----------------------------------|---------------------|---|---|--|
| R-48 | L | | | | |
| | S = Small, 13W L = Large, 48W | Blank = Knuckle Arm | Blank = 2700-5000K Tunable White, RGBW 16+ Million Colors | Blank = Flood/Spot/Narrow Beam Angle Adjustable | Blank = Bronze W = White B = Black |



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