



Color: White

Weight: 9.5 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant	Watts	100/85/70/50W
120V	0.83A	Color Temp	N/A
208V	0.48A	Color Accuracy	82-85 CRI
240V	0.42A	L70 Lifespan	100,000 Hours
277V	0.36A	Lumens	6,170-14,087 lm
Input Watts	49.1-97.1W	Efficacy	116.5-159.2 lm/W

Technical Specifications

Lightcloud

Lightcloud Blue Installed:

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 - N1XMLOEATBA (Interior);
NHCZ2BIA17L (Exterior)

Learn more at
www.rablighting.com/feature/new-lightcloud-blue.

Gateway Required:

No

Communication Protocol:

Bluetooth Mesh

SmartShift:

No

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 60 feet clear line of sight; Up to 18 feet around corners.

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 3x and return to full brightness.

Method 2: Manual

Locate the device identification button at the top of the Controller under the Lightcloud logo. Press and hold this button for 10s or until the indicator light begins flashing red. If the Controller is attached to a fixture, the fixture will also flash on/off 3x.

Performance

Product Type:

Wall Pack

Description:

Field-adjustable wall packs with selectable throw. Available in three sizes, from 15W - 150W. Now available with Lightcloud Blue and integrated occupancy sensor

Wattage Equivalency:

100W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)
85W: Replaces up to 400W Metal Halide (MH) or 250W High Pressure Sodium (HPS)
70W: Replaces up to 350W Metal Halide (MH) or 200W High Pressure Sodium (HPS)
50W: Replaces up to 250W Metal Halide (MH) or 200W High Pressure Sodium (HPS)

Input Wattage:

100/85/70/50W, factory default 100W

Lumens (Nominal):

15,000/12,750/10,500/7,500lm @ 4000K

Efficacy:

150lm/W

Sensor Settings

Lifespan:

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

Sensor Connection Type:

Integrated

Technical Specifications (continued)

Max Mounting Height:

8 to 12 feet

Sensor Technology:

Microwave (MVS)

Default Setting:

Uncommissioned State:

Motion Sensitivity: High

Brightness when triggered : 100%

Hold time: 20 minutes

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Daylight Sensing: Disabled

Photocell: Disabled

Commissioned State:

Once pair, the sensor will default to disabled. Once enabled the following settings apply:

Motion Sensitivity: High

Brightness when triggered: Last on status

Hold time: 20 minutes

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

Daylight Sensing: Disabled

Photocell: Disabled

Adjustable Sensor Settings?:

Yes, using the Lightcloud Blue mobile app

Sensing Type:

Occupancy, Vacancy

Occupied Actions:

On or On at a Dim Level

Vacant Actions:

Off or On at a Dim Level

Occupancy Timeout:

1 minute to 240 minutes

Daylight Sensing:

Dim levels will continuously adjust based on the daylight threshold level set in the Lightcloud Blue mobile app. Settings adjustable using the Lightcloud Blue mobile app

Electrical

Driver:

Constant Current, Class 2 120-277V 50/60 Hz; 120V: mA; 208V: mA; 240V: mA; 277V: mA

THD:

<20%

Power Factor:

0.9

Dimmable:

Yes via the Lightcloud Blue mobile app and devices. This product will not operate properly when connected to a standard/0-10V dimmer or dimming control.

Input Voltage:

120-277V

Operating Frequency:

50/60Hz

Operating Temperature:

-40°F to 104°F (-40°C to -40°C)

Flicker:

<30%

Surge Protection:

DM 4 kV+ CM 6 kV

Emergency Fixture Use:

Yes, can be used as an emergency fixture

Detection Range:

20 ft diameter at 9 ft mounting height

Photocell:

Integrated photocell included with on/off switch, factory default set to OFF. Once photocell is enabled on the fixture, the settings are adjustable using the Lightcloud Blue mobile app

LED Characteristics

Beam Angle:

Adjustable throw (0°, 15°, 30° & 45°); factory default 45°

Color Temperature:

Field adjustable via dip switch 3000/4000/5000K, factory default 4000K

Color Tuning:

No, the color cannot be adjusted using the Lightcloud Blue mobile app

Color Accuracy (CRI):

80 CRI

Natural Spectrum:

No

Color Consistency:

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

Installation

Mounting:

Surface mount for recessed junction box; 3 conduit entry points

Construction

Size:

Medium

Shape:

Rectangle

Finish:

White

Enclosure Material:

Aluminum

Lens Finish:

Clear

Lens:

Glass

Compliance

Listings:

UL Listed, UL Classified

Environment:

Suitable for use indoors and outdoors in dry, damp, or wet environments.

Energy Star Approved:

No

DLC NLC Listed:

This product is on the Design Lights Consortium (DLC) Network Lighting Controls (NLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC system - N1XMLOEATBA (Interior);

NHCZ2BIA17L (Exterior)

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

California Title 20 Compliant:

No

Technical Specifications (continued)

California Title 24 JA8 Compliant:

No

California Energy Commission (CEC) Status:

Lawful for Sales in California

NSF Listed:

No

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.

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15 of the FCC Rules

Other

Compatible Products:

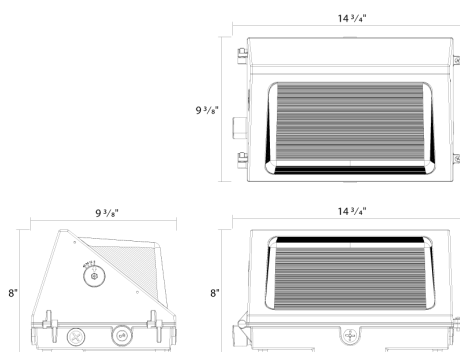
Combine with other Lightcloud Blue devices and fixtures to expand your system. Visit rablighting.com/controls/LIGHTCLOUD_BLUE.

Compatible Accessories:

W22-[S/M/L]-WG

Wire guard for W22

Dimensions



Features

100,000-Hour LED lifespan

0-10V dimming standard

5-Year, limited warranty

Ordering Matrix

Family	Housing Size	Wattage	Color Temp	Finish	Forward Throw	Driver	Controls	Battery Backup
W22	M	100		W			/LCBS/MVS	
	M = Medium L = Large S = Small	30 = 30/25/20/15W ¹ 60 = 60/50/40/30W ² 100 = 100/85/70/50W ² 150 = 150/125/100/75W ³	Blank = 3000/4000/5000K Adjustable	Blank = Bronze W = White	Blank = Adjustable Throw 0°/15°/30°/45°	Blank = 120-277V /480 = 480V	Blank = Selectable Photocell /LCBS/MVS = Selectable Photocell w/Lightcloud Blue MVS Sensor	Blank = None /E = Battery Backup

¹ S (Small) models only

² M (Medium) models only

³ L (Large) models only

⁴ Battery backup available only on M (Medium) and L (Large) models with 120-277V