



Color: Black

Weight: 0.1 lbs

Project:	Type:
Prepared By:	Date:

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 - N1XMLOEATBA (Interior);  
NHCZ2BIA17L (Exterior)

Learn more at [www.lightcloud.com](http://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 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 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.

Performance

Product Type:

Low Voltage Controller+Sensor

Description:

The Lightcloud Blue Low-Voltage Controller is a controller with a 12V AUX supply with an integrated dual-technology motion detector and daylight sensor that can be quickly and easily installed on compatible LED fixtures.

L70 Lifespan:

50,000-Hour LED lifespan based on IES LM-70 results

Electrical

Dimmable:

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

Input Voltage:

12V

Operating Frequency:

50/60Hz

Input Current @ 120V (mA):

30mA

Operating Temperature:

-4°F to 140°F (-20°C to 60°C)

## Technical Specifications (continued)

### Sensor Settings

#### Sensor Connection Type:

Pogo pin

#### Max Mounting Height:

20 ft

#### Detection Range:

20 ft diameter at 9 ft mounting height

#### 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: 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: Disabled

#### Adjustable Sensor Settings?:

Yes, using the Lightcloud Blue mobile app

#### Sensing Type:

Occupancy or Vacancy (option to disable or set as an independent sensor)

#### 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:

The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set in the Lightcloud Blue mobile app.

#### Daylight Threshold:

150 lux to 1500 lux

### Construction

#### Shape:

Round

#### Finish:

Black

#### Enclosure Material:

Plastic

### Compliance

#### Environment:

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

#### IP Rating:

IP66

#### 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)

#### Certification Model Number:

MVS20B/LCB

#### California Title 20 Compliant:

No

#### California Title 24 JA8 Compliant:

No

#### California Energy Commission (CEC) Status:

Lawful for Sales in California

#### RoHS:

Mercury and UV free. RoHS-compliant components.

#### FCC:

Complies with Part 15 of the FCC Rules

### Other

#### Compatible Products:

[H17 Field-Adjustable High Bay](#)

[RBAY17 Field-Adjustable High Bay](#)

[VAN17 3-Way Adjustable Canopy](#)

[PARK34 Field-Adjustable Garage Light](#)

Requires RAAS; RAASB:

[SHARK Field-Adjustable Linear Washdown](#)

[SEAL Field-Adjustable Washdown](#)

[GUS 17](#)

Linear wrap

[SR Field-Adjustable Strip](#)

Linear strip

#### Compatible Accessories:

[RAAS](#)

[Right angle arm support](#)

[RAASB](#)

[Right angle arm support](#)

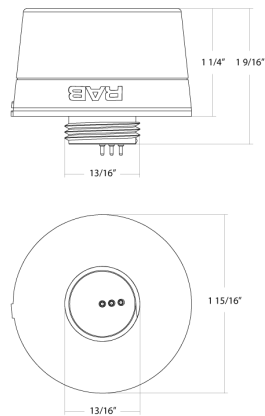
#### Warranty:

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](http://rablighting.com/warranty).

#### Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

### Dimensions



### Features

Remotely controlled to enable switching and dimming in any compatible 0-10V LED fixture

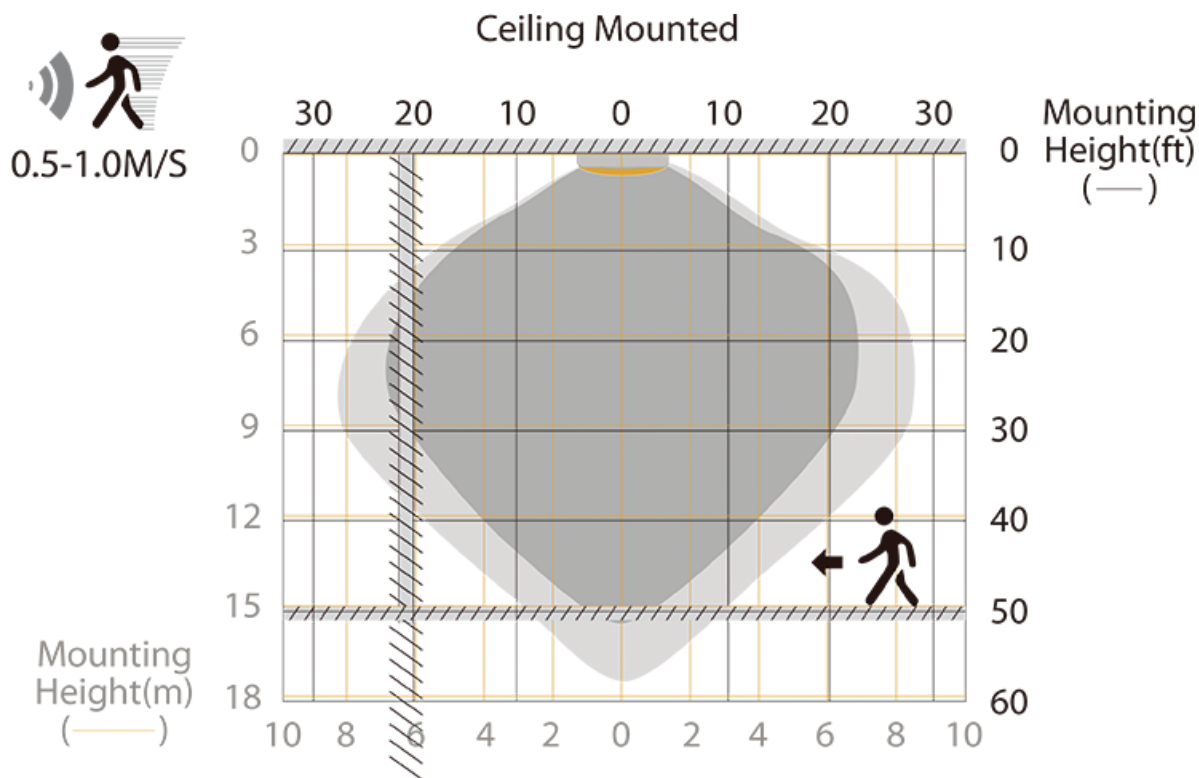
Direct connect to the Lightcloud Blue mobile app via Bluetooth; no Gateway or Hub required

For use in indoor and outdoor applications in dry, damp or wet environments

Compatible with 0-10V dimming fixtures with auxiliary power supply

Integrated dual-technology motion and daylight sensor.

### Coverage Pattern



Highest mounting height is:  
MVS20x/LCB: 6m/20ft, MVS50x/LCB: 15m/49ft  
This gure indicates the maximum distance at the highest mounting height with 100% sensitivity.

- Well Detected Area
- Possibly Detected Area

Ordering Matrix

Family	Driver	Detection Height	Finish	Options
MVS		20	B	/LCB
Blank = 12VDC      20 = 20 ft      Blank = White      Blank = Standard 50 = 50 ft      B = Black      /LCB = Lightcloud Blue				