

# Welcome



Lightcloud®

High Bay Low Voltage  
MVS Controller

MVS50/LCB

WE'RE HERE TO HELP:

**1(844) LIGHTCLOUD**

1(844) 544-4825

# Hello

The Lightcloud Blue High Bay Low Voltage MVS Controller is a controller with 12V AUX supply and intergrated with dual-techology motion detector and daylight sensor that can switch and dim both local and remote circuits. The Lightcloud Blue High Bay Low Voltage Controller can be quickly and easily installed on compatible LED fixtures.

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[support@lightcloud.com](mailto:support@lightcloud.com)

# Specifications

## PART NUMBER

MVS50/LCB

## PRODUCT DIMENSIONS

2.125"D x 2.125"L x 1.43"H

## WIRELESS Range

60 ft.

## SENSOR COVERAGE

50 ft. diameter at 50 ft.

## SENSOR TYPE

Microwave (MVS)

## SENSOR CONNECTION

3-pogo pin

## ENVIRONMENT

Indoor/Outdoor (IP65)

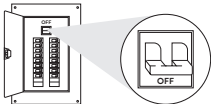
## MOUNTING HEIGHT

50 ft.

# Setup & Installation

① Turn off power

 **WARNING**

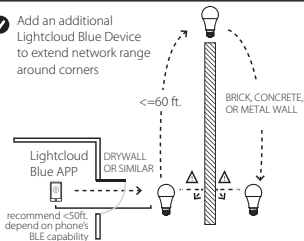


①a Find a suitable location

- Lightcloud Blue devices should be positioned within 60 ft. of each other.
- Building materials such as brick, concrete and steel construction may require additional Lightcloud Blue devices to extend around an obstruction.

# Setup & Installation *(Cont'd)*

- ✓ Add an additional Lightcloud Blue Device to extend network range around corners



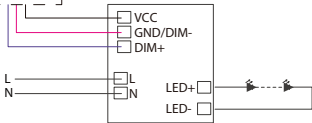
# Setup & Installation *(Cont'd)*

## ② Wiring Diagram

Install the Lightcloud Blue High Bay Low Voltage MVS Controller by below wiring diagram.



**Black White +12V 12VDC input**  
**Pink GND 0/1-10V DIM**  
**Purple DIM+ 0/1-10V DIM+**

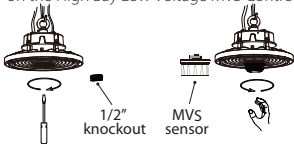


# Setup & Installation *(Cont'd)*

## 3 Install Luminaire

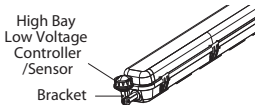
High Bay Low Voltage MVS Controller is only compatible with select sensor-ready fixtures. Visit [www.rablighting.com](http://www.rablighting.com) to see the full compatibility list.

- 3a** Mount the High Bay Low Voltage MVS Controller to a compatible fixture. Unscrew the 1/2" knockout out with a screwdriver and screw on the High Bay Low Voltage MVS Controller.



# Setup & Installation *(Cont'd)*

- 3b** Mount the High Bay Low Voltage MVS Controller with Bracket (RAAS):  
Screw the High Bay Low Voltage MVS Controller onto the Bracket (RAAS) and connect the Bracket (RAAS) to a 1/2" knockout on the fixture, see the section 2 Wiring Diagram for wiring instructions.



- 4** Turn power on

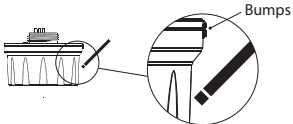


# Setup & Installation *(Cont'd)*

## 5 Enable Device Pairing Mode

If your Lightcloud Blue High Bay Low Voltage MVS Controller is already paired, you can reset it by using Rapid Reset Tool Method.

The rapid reset process must be done by professional electricians 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 side of device for 2 seconds.



## Controlling your Lightcloud Blue Device

- 1 Confirm your device is powered on.
- 2 Download the Lightcloud Blue app from the Apple® App Store or Google® Play store.



- 3 Launch the App and create an account.



- 4 Tap the "add device" icon in the app to start connecting devices.



## Controlling your Lightcloud Blue Device *(Cont'd)*

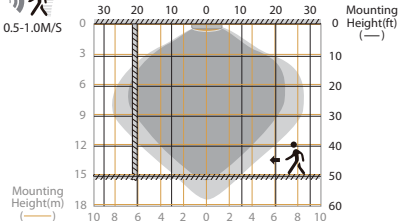
- 5 Follow the remaining steps in the app. Create areas, groups, and scenes to organize and control your devices.
- 6 Adjust the Dim-to- Off Threshold (0-2V) to get the lowest dim level in the device setting. (Default threshold 1V)
- 7 You're all set!

# Sensor Coverage

Highest mounting height is 15m/49ft:  
this figure indicates the maximum distance at the  
highest mounting height with 100% sensitivity.

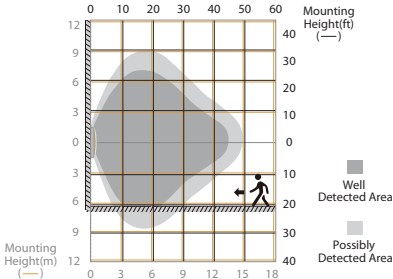


## Ceiling Mounted



# Sensor Coverage (Cont'd)

## Wall Mounted



### FCC Information:

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
  2. This device must accept any interference received, including interference that may cause undesired operation.
- Note: This device has been tested and found to comply with the limits for Class B digital devices pursuant to Part 15 Subpart B, of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the

equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To comply with the FCC's RF exposure limits for general population / uncontrolled exposure, this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

**CAUTION:** Changes or modifications to this equipment not expressly approved by RAB Lighting may void the user's authority to operate this equipment.

# Configuration

All configuration of Lightcloud Blue products may be performed using the Lightcloud Blue mobile app. Learn more at [www.rablighting.com](http://www.rablighting.com)

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