

# Welcome

Lightcloud®

## Microwave Ceiling Sensor

MVSW50/LCB

WE'RE HERE TO HELP:

**1(844) LIGHTCLOUD**

1 (844) 544-4825

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

# Hello

The Lightcloud Blue Microwave (MVS) Ceiling Sensor is a hardwired, stand-alone occupancy sensor for use with Lightcloud Blue-enabled products. Microwave technology offers a continuous field of detection of small movements regardless of the distance from the sensor. This sensor is ideal for abnormally shaped or larger areas with any obstructions or obstacles. Easily configure sensor settings using the Lightcloud Blue mobile app.

## Specifications

**PART NUMBER**

MVSW50/LCB

**WIRELESS RANGE**

≤60 ft.

**SENSOR TYPE**

Microwave (MVS)

**ENVIRONMENT**

Indoor/Outdoor (IP66)

**PRODUCT DIMENSIONS**

6.04"D x 6.04"L x 1.66"H

**SENSOR COVERAGE**

20 ft. diameter at 49 ft.

**SENSOR CONNECTION**

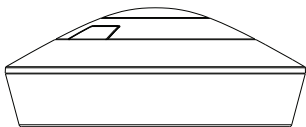
Wired

**MOUNTING HEIGHT**

49 ft.

# Contents

Lightcloud Blue MVS Ceiling Sensor



Mounting Screws



x 4

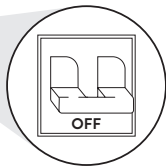
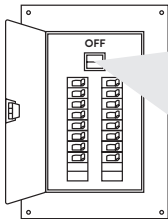
Wire Nuts



x 3

## Setup & Installation

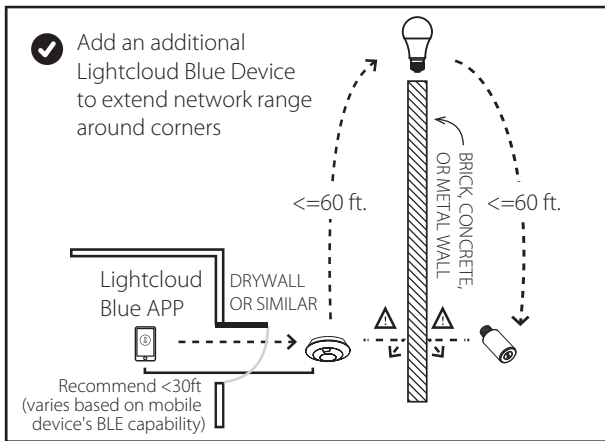
- 1 Turn off power



# Setup & Installation *(cont'd)*

## 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)*

## ② Install your Lightcloud Blue Sensor

INSTALL ON A JUNCTION BOX (INDOOR/OUTDOOR)

The MVS Ceiling Sensor can control other Lightcloud Blue devices wirelessly when grouped in the same Area in the Lightcloud Blue mobile app. Once the sensor is moved into an Area, the sensor settings can be configured from the app.

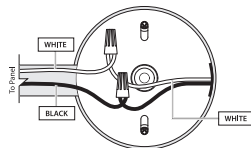
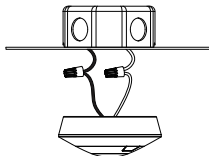
All Lightcloud Blue devices grouped in the same Area in the mobile app can be controlled by the sensor.

1. Make sure power is turned off and the junction box is affixed to the ceiling. *(Fig.1)*
2. Connect the ceiling sensor to supply wires with wire nut. Wire nut live (black) wire with ceiling sensor wire and wire nut neutral (white) wire with ceiling sensor white wire. *(Fig.2)*

Fig: 1



Fig: 2



# Setup & Installation *(cont'd)*

3. Detach the sensor face from the base by turning the sensor counterclockwise to unlock. the face from the base. *(Fig.3)*
4. Safely place all wires into the junction box and secure the sensor base to the junction box by tightening the screws through the keyhole slots. *(Fig.4)*
5. Re-attach the sensor face to the base by turning clockwise to lock. *(Fig.5)*

Fig: 3

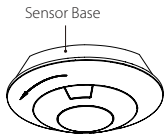


Fig: 4

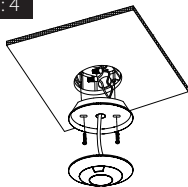


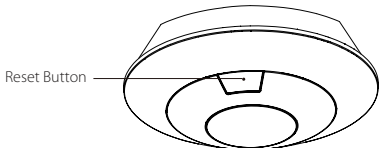
Fig: 5



## 3

### Restore Factory Settings


To restore your Lightcloud Blue MVS Ceiling Sensor to factory settings, you can reset it by pressing the reset button for 10 seconds until the indicator light flashes red.





# 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.  

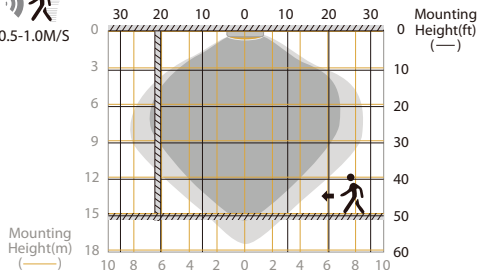
- 5 Once added, move to an Area to configure sensor settings.

- 6 You're all set!

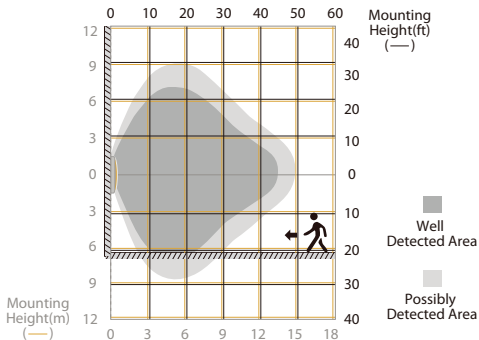
# Sensor Coverage

## Ceiling Mounted

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



## Wall Mounted





# Functionality

The Lightcloud Blue Ceiling Sensor can operate in either Occupancy or Vacancy to control Lightcloud Blue-enabled lights that are grouped in the same Area in the mobile app. Sensor settings can be configured using the Lightcloud Blue mobile app once it is moved to an Area.

In Occupancy mode, when motion is detected, lights can turn on and then turn off or dim when the timeout expires.

In Vacancy mode, lights can turn off or dim when the motion timeout expires. Lights will need to be manually turned on using the Lightcloud Blue mobile app or other Lightcloud Blue-enabled devices.

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## 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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