Welcome

Lightcloud®

High Bay Low-Voltage Passive Infrared Sensor

PIR40/LCB, PIR40B/LCB

Low Bay Low-Voltage Passive Infrared Sensor

PIR20/LCB, PIR20B/LCB

WE'RE HERE TO HELP:

1(844) LIGHTCLOUD

1(844) 544-4825

Hello

The Lightcloud Blue High Bay/Low Bay Low-Voltage Passive Infrared (PIR) Sensor is a sensor 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 Bay Low-Voltage Sensor can be quickly and easily installed on compatible LED fixtures.

Product Specifications

Catalog Number:
PIR20/LCB, PIR20B/LCB

Product Dimensions
1.93"(D) x 1.93"(L) x 1.9"(H)

Sensor Coverage
20 ft. diameter at 20 ft.

Mounting Height
20 ft.

Catalog Number:
PIR40/LCB, PIR40B/LCB

Product Dimensions
2.13"(D) x 2.13"(L) x 1.8"(H)

Sensor Coverage
20 ft. diameter at 39 ft.

Mounting Height
39 ft.

Wireless Range
≤60 ft.

Sensor Type
Passive Infrared (PIR)

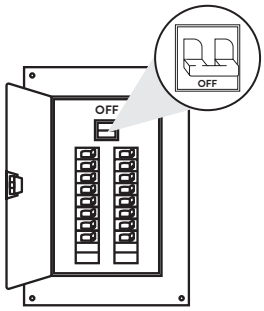
Sensor Connection
3-pogo pin

Environment
Indoor/Outdoor (IP66)

Setup & Installation

1 Turn off power

⚠ WARNING

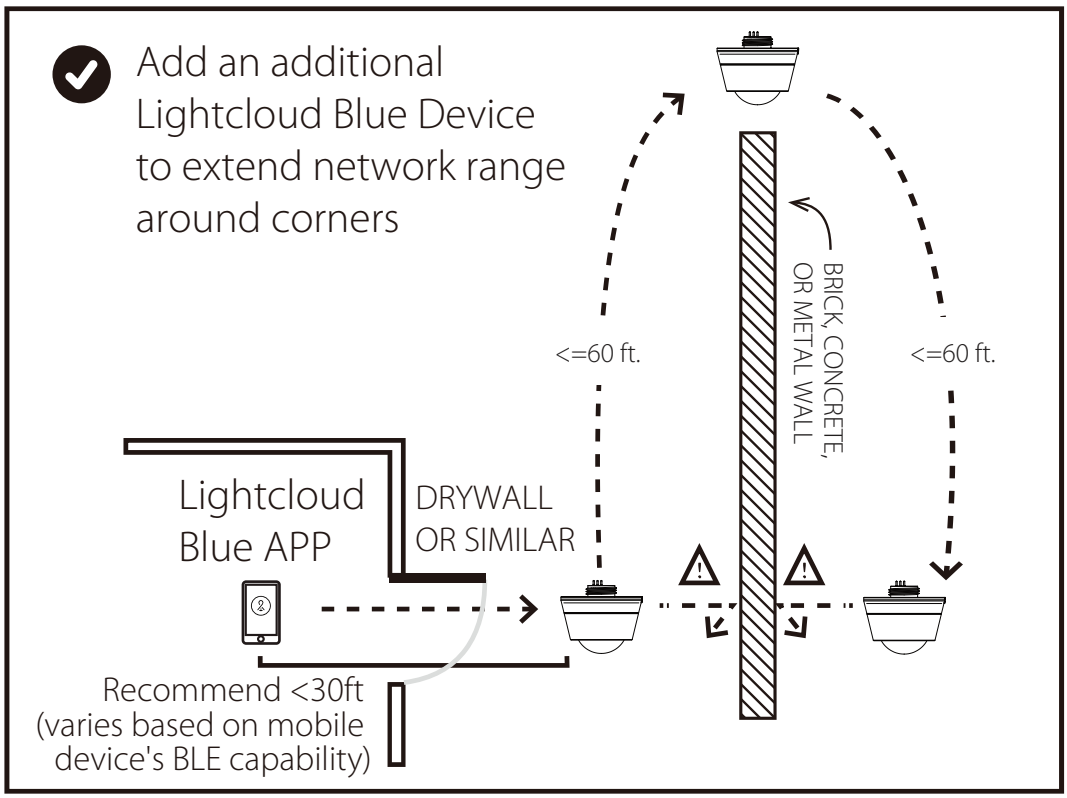


- Place the wall switch in the off position.
- Turn off the main power at the breaker panel or remove the fuse from the fuse box.

1a Find a suitable location

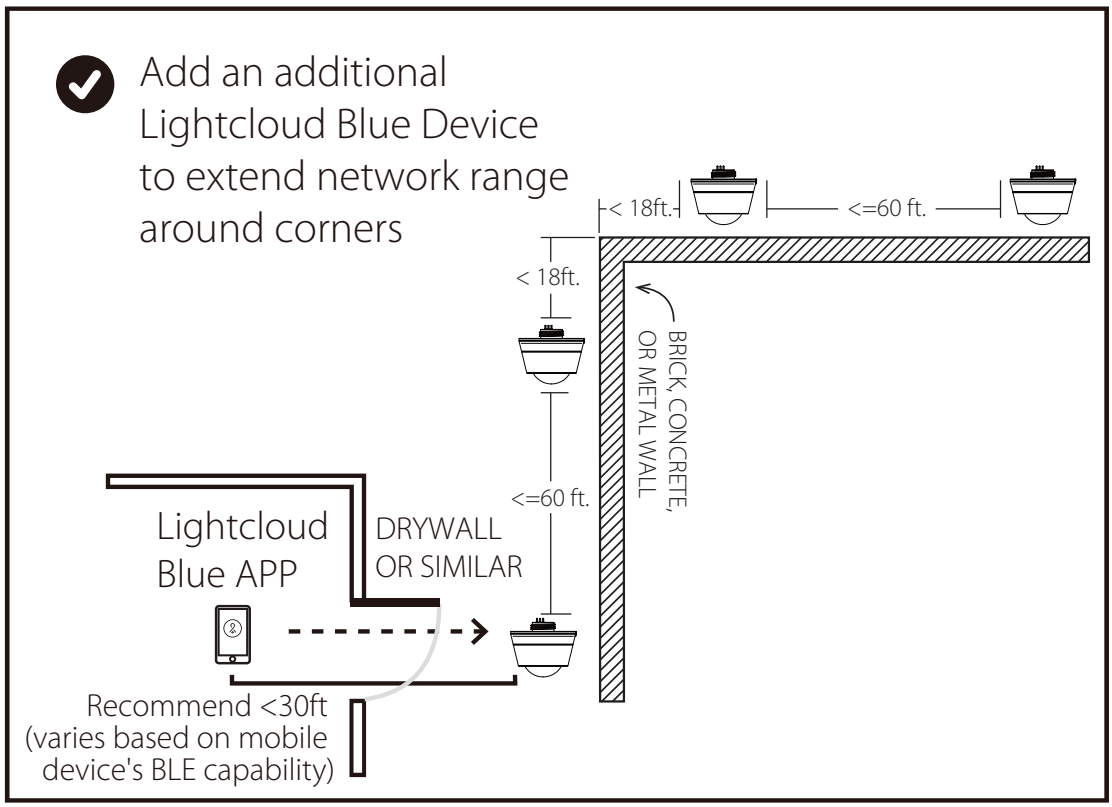
- Lightcloud Blue devices should be positioned within 60 ft. of each other.
- Building materials such as brick, concrete and steel construction may require additional Lightcloud Blue devices to extend around an obstruction.

INDOOR



Setup & Installation *(Cont'd)*

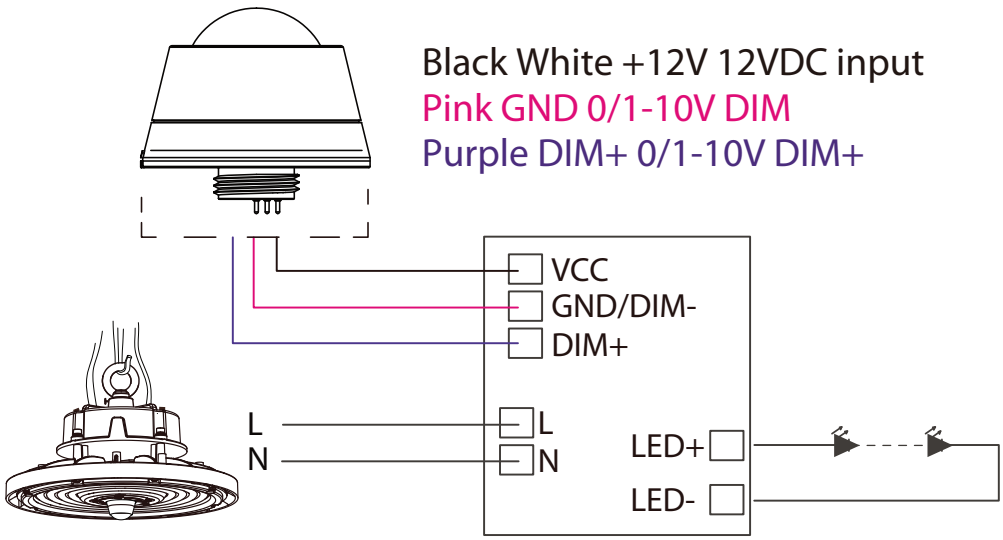
OUTDOOR



Setup & Installation *(Cont'd)*

2 Wiring Diagram

The Lightcloud Blue Low-Voltage PIR Sensor installs in compatible sensor ports using a 3-pogo pin connection.

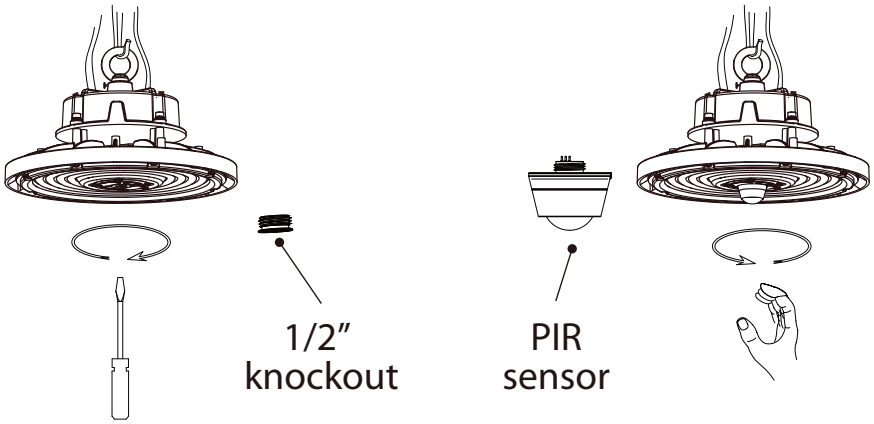


3 Install Luminaire

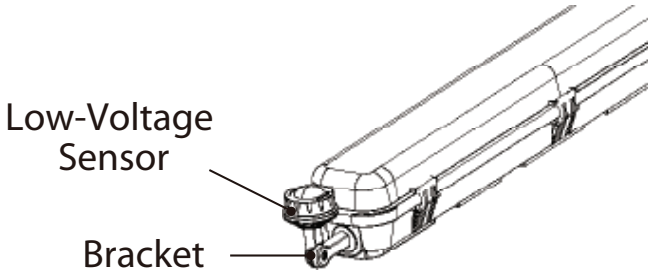
Low-Voltage PIR Sensor is onlycompatible with select sensor-ready fxtures. Visit www.rablighting.com to see the full compatibility list.

Setup & Installation *(Cont'd)*

3a Mount the Low-Voltage PIR Sensor to a compatible fxture. Unscrew the 1/2" knockout out with a screwdriver and screw on the Low-Voltage PIR Sensor.



3b Mount using the Right Angle Arm Support (RAAS): Connect the Low-Voltage PIR Sensor to the RAAS by turning clockwise. See the RAAS instruction manual for wiring instructions to compatible fixtures.



4 Turn power on

Setup & Installation *(Cont'd)*

5 Restore to Factory Settings

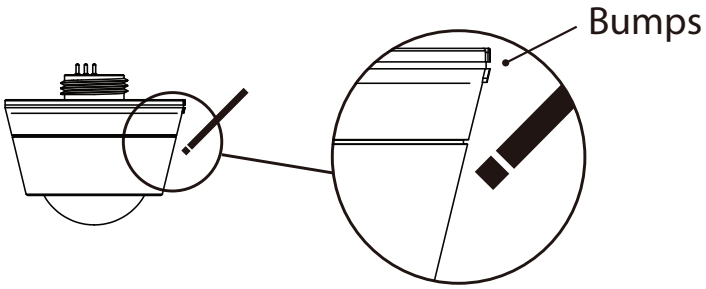
To restore your Lightcloud Blue Low-Voltage PIR Sensor to factory settings, you can reset it using the following methods:

Method 1: Delete from app

If the sensor was previously paired, open the mobile app and access the device settings for the paired device. Be sure that the device is online and select 'Delete from Site'. The light will flash on/off 3x, then reset to 100% brightness.

Method 2: Rapid Reset Tool

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 the device for 2 seconds or until the light begins to flash 3x, then it will reset to 100% brightness.



Method 3: Manual

Remove the sensor and reattach 5x in a row. The light will flash on/off 3x then reset to 100% brightness.

Controlling your Lightcloud Blue Device

1. Confirm your devices are powered on.

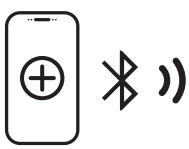
2. Download the Lightcloud Blue app from the Apple® App Store or Google® Play store.

Download on the App Store

GET IT ON Google Play

3. Launch the App and create an account.

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



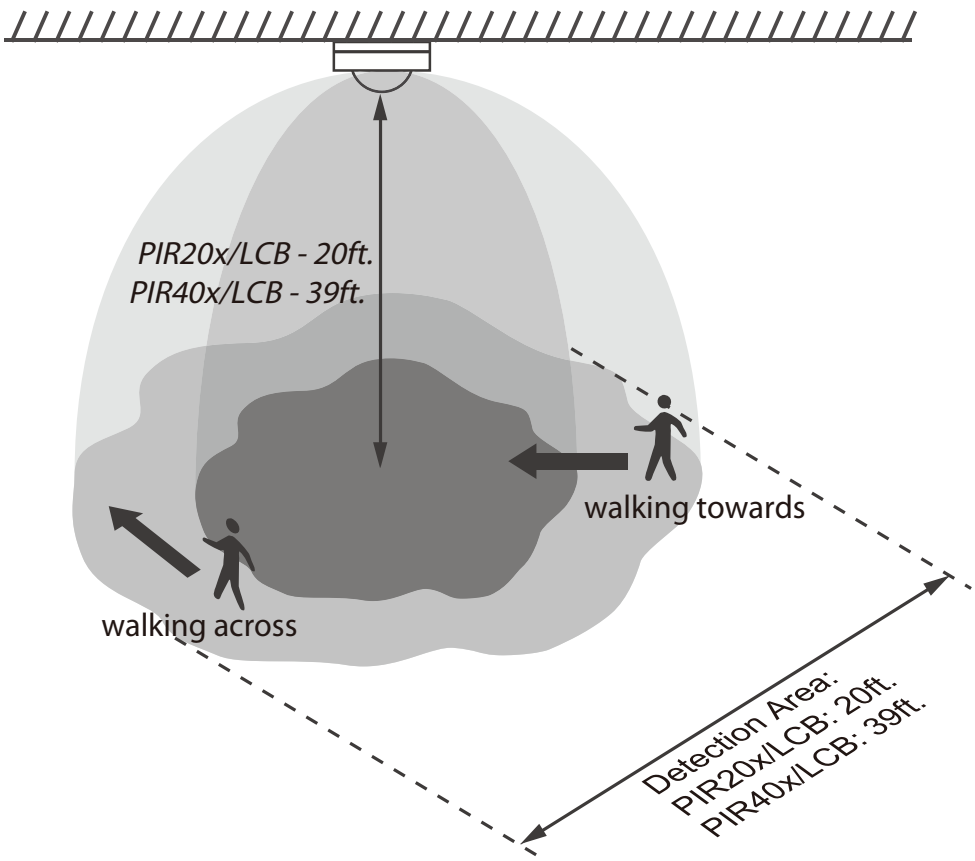
5. Once added, move to an Area to configure sensor settings.

6. Optional: Open the device settings to adjust the Dim-to-Off Threshold (0-2V) to get the lowest dim level. (Default Threshold: 1V)

7. You're all set!

Sensor Coverage

Highest ceiling mounted height



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 modifcations to this equipment not expressly approved by RAB Lighting may void the user's authority to operate this equipment.

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support@lightcloud.com

Lightcloud®

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.
Learn more at www.rablighting.com

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