PIRW40/LCB

RAB

Color: White   Weight: 0.7 lbs

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.

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.

Max # of Devices to Control:
This sensor can be assigned to 1 Area in the Lightcloud Blue app and can control up to 199 lights wirelessly.

Factory Reset:
To restore the Ceiling Sensor to factory settings, press the reset button on the face of the sensor for 10 seconds until the indicator light flashes red.

Performance

Product Type:
Occupancy Sensor

Description:
Ceiling sensors for indoor and outdoor applications for low or high ceilings. Dual technology motion sensor available with PIR or MVS technology and daylight harvesting.

Input Wattage:
<0.5W

Electrical

Input Voltage:
120-277V

Operating Frequency:
60 Hz

Operating Temperature:
-4°F to 140°F (-20°C to 60°C)

Sensor Settings

Sensor Connection Type:
Hardwired

Max Mounting Height:
39 ft

Detection Range:
20 ft diameter at 39 ft

Sensor Technology:
Passive Infrared (PIR)

Technical Specifications (continued)

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

Commissioned State:
Once paired, 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 time: 1 minute
When vacant: Off

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:
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. Dim levels will continuously adjust to meet daylight threshold setting.

Daylight Threshold:
150 lux to 1500 lux

Installation
Mounting:
Ceiling mount to a junction box

Construction
Shape:
Round

Finish:
White

Enclosure Material:
Plastic

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

IP Rating:
IP66

IC Rated:
No

Air Tight:
No

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)

California Title 20 Compliant:
No

California Title 24 JA8 Compliant:
No

California Energy Commission (CEC) Status:
Lawful for Sales in California

NSF Listed:
No

RoHS:
Mercury and UV free. RoHS-compliant components.

FCC:
Complies with Part 15 of the FCC Rules

Other
Compatible Products:
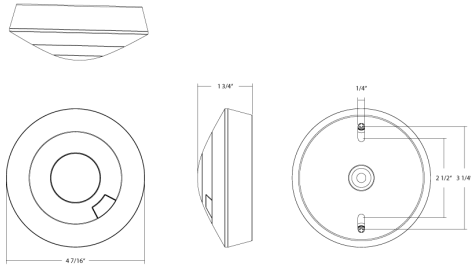Compatible with any Lightcloud Blue-enabled products.

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.

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

- Hardwired occupancy sensor, easily mounts to junction box
- Occupancy and vacancy sensing with adjustable sensitivity and timeouts
- Communicates over secure wireless Bluetooth Mesh network - no Gateway or Hub required
- Motion detector with built-in fixture and zone control
- Closed loop daylight harvesting

Ordering Matrix

Family	Connection Type	Mounting Height	Control
PIR	W	40	/LCB
	W = Wired	**40 =** 40 ft	**/LCB =** Lightcloud Blue

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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