LCSENSE/HB/W

RAB

Project: _____ Type: _____

Prepared By: _____ Date: _____

The Lightcloud Sensor is a dual-technology motion detector and closed loop daylight harvester that can switch and dim both local and remote circuits. It monitors power consumption, and can send an alert if power is lost. The Sensor is available for both standard and high bay applications, each with the option of surface or fixture mounting.

Color: White   Weight: 2.0 lbs

Technical Specifications

Product Details

Application:
High Bay (25-45 ft mounting height)

Mounting Type:
Ceiling/Surface Mount

Compliance

IP Rating:
Ingress protection rating of IP66 for dust and water

Electrical

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Can dim as low as 1%. Actual dimming range is defined by driver.

Installation:
All Lightcloud components should be installed by a licensed electrician in accordance with local codes.

Input Voltage:
120V through 277V

Frequencies:
50/60 Hz

Electrical Ratings:
20 mA @ 120VAC
12 mA @ 277VAC

Load Switching Capacity:
Incandescent: 220VAC, 13A
Standard Ballast: 120/277 VAC, 6A/4A
Electronic Ballast: 277VAC, 12A

Storage Temperature Range:
-40°C to 85°C (-40°F to 185°F)

Sensor Settings

Detection Range:
40 ft diameter at 30 ft mounting height
50 ft diameter at 45 ft mounting height

Construction

Operating Temperature Range:
-20°C - 40°C (-4°F - 104°F)

Maximum Relative Humidity:
95%

Wire Gauge:
4x 16AWG High-voltage pigtails, stripped
2x 22AWG Low-voltage pigtails, stripped

Wireless Range

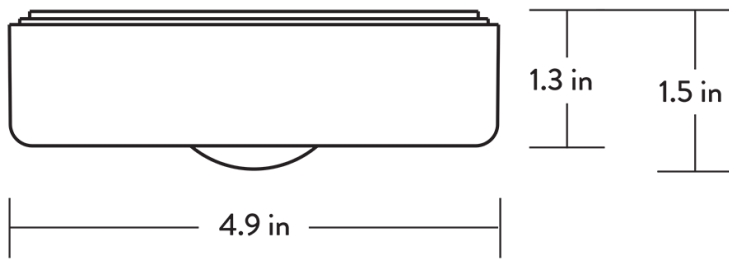**Line of Sight:**
1,000 feet

Obstructions:
100 feet

Other

Warranty:
10-year full hardware warranty with 100% repair/replacement coverage for all properly installed devices. See Lightcloud Warranty Terms.

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.

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

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Dimensions

1.3 in   1.5 in

4.9 in

Features

- Dual-technology passive infrared motion detector with built-in fixture and zone control
- Occupancy and vacancy sensing with adjustable sensitivity and timeouts
- Switching for a fixture or entire zone, hard-wired or remote
- Supports 0-10V dimming for LED and fluorescent fixtures
- Easily set up schedules and scenes
- Power measurement and energy reporting
- Remote control from Lightcloud web application
- Communicates over secure wireless mesh network - no internet required
- Closed loop daylight harvesting