LCSENSE/B

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: Black   Weight: 2.0 lbs

Technical Specifications

Product Details

Application:
Standard (8-12 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:
30 ft diameter at 9 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:
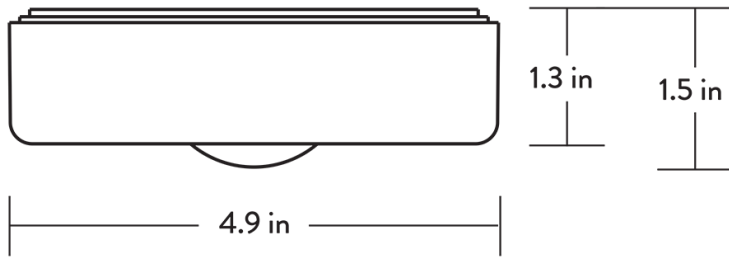1,000 feet

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.

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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