

PSC-BL-I-FM-110-BLE-CB | Bi-level Dimming High Bay PIR Sensor

Overview

- PIR sensor
- Input voltage: 120-277VAC, 50/60Hz
- Casambi Bluetooth Mesh
- High-End Trim, Zoning, Continuous Bi-level Dimming, Scheduling
- LED Motion indicator
- Mounting height up to 40ft (12.2m)
- 360° coverage pattern



Suitable for indoor Use Only



Summary

Sensor Type:
PIR occupancy sensor

Input Voltage:
100-277VAC, 2W (no-load)

Max Load:
240 VA @ 120VAC, 2A
554 VA @ 277VAC, 2A

0-10V Output: 60 mA

Mounting Height:
Fixture mount up to 40ft (12.2m)

Max Range¹:
40ft (12.2m) radius

Max Bluetooth Range²:
49 ~ 65ft (15 ~ 20m)

Operating Temperature:
-30° C to 60° C

Storage Temperature:
-40° C to 80° C

Relative Humidity:
90-95% non-condensing at 30° C

Color: White

Warranty: 5 years

Note:

1. The application/absolute range of the sensor is subject to variation because of different types of clothing, backgrounds, and ambient temperature. It is recommended to conduct testing for range accuracy.

2. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

Applications

The PSC-BL-I-FM-110-BLE-CB can accept universal input (120-277 VAC) to use the PIR Motion Detector Architecture and passive infrared (PIR) technology for improved detection coverage for high bay, and low bay applications.

The PSC-BL-I-FM-110-BLE-CB is a Class 2 Device designed to satisfy CA Title 24 requirements for bi-level dimming of lighting fixtures. The sensor will shut the light off with the high current relay built in.

The sensor is suitable for a variety of indoor applications. It supports fixture and ceiling mounts up to 40 ft (12.2 m) high. The sensor is rated for use in temperatures ranging from -30° to 60° C and relative humidity from 90 to 95% at 30° C.

Sensor Operation

Proprietary Casambi Bluetooth Mesh: The sensor can pair with an Android or iOS application to allow initial setup and subsequent sensor adjustments. The mobile application enables adjustment of sensor parameters such as time delay, dim level, and more. Additionally, features such as parameter profiles, manual dim control, and real-time feedback from the sensor can speed up configuration and provide custom user control.

Bi-level Dimming: 0-10V bi-level dimmer connects to 0-10V control on the LED driver.

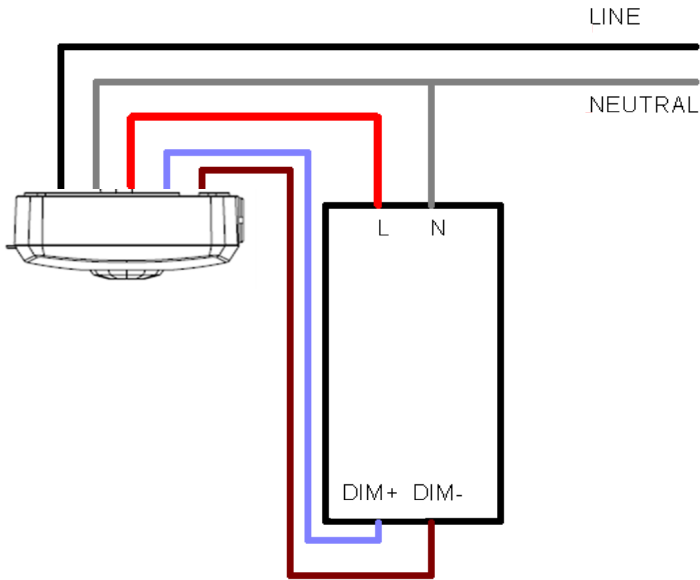
Relay: High current relay built in for load control

See [McWong_Casambi Commissioning User Manual](#) for more info.

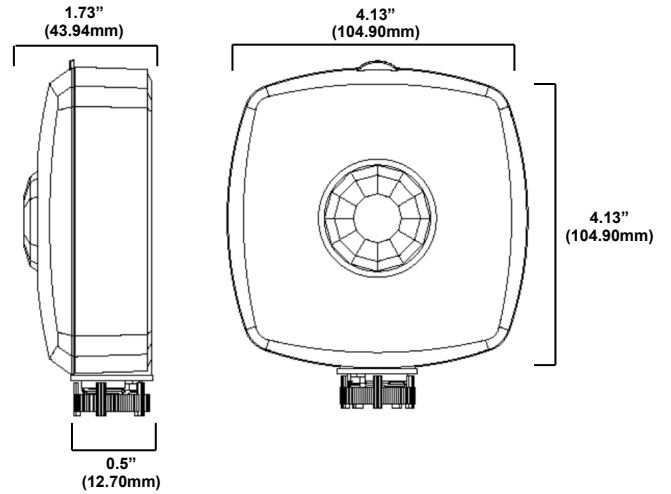
How to Order

Model No.	Description	Input Voltage	Output/Max Load
PSC-BL-I-FM-110-BLE-CB	Passive Infrared (PIR) Occupancy Sensor w/Load Switch, Casambi Bluetooth Mesh	100-277VAC	0-10VDC(Dimming) 240VA @ 120VAC, 2A 554VA @ 277VAC, 2A

Wiring Diagrams

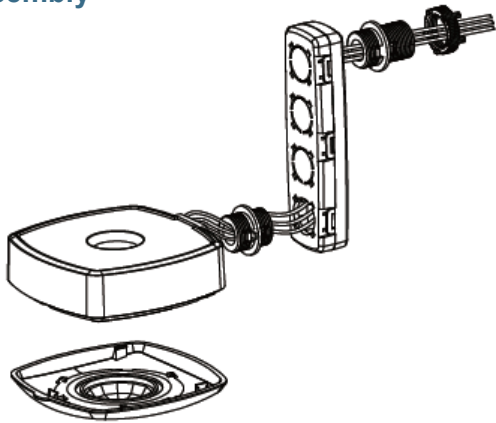


Physical Dimensions



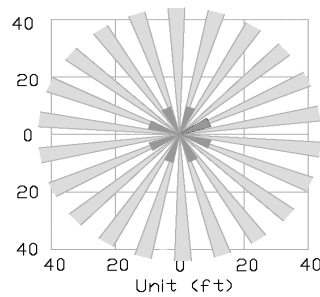
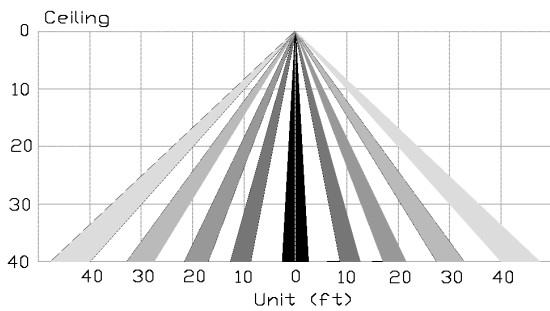
Drawings are Not to Scale

Assembly

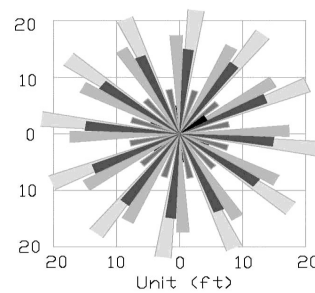
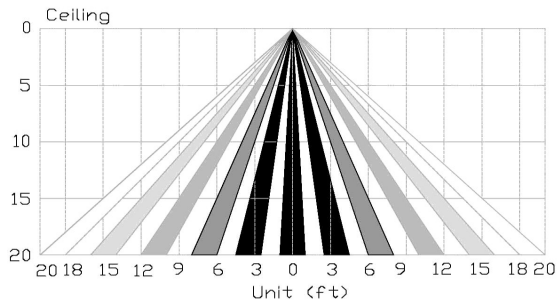


Detection Area

HBL: High bay lens



LBL: Low bay lens



Design and specifications are subject to change without notice.