

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

## Overview

- PIR sensor
- Input voltage: 120-277VAC, 50/60Hz
- Bluetooth® SIG mesh
- Photocell control, High-End Trim, Zoning, Continuous Bi-level Dimming
- Energy Monitoring and Scheduling with TruBlu™ Gateway
- LED Motion indicator
- Mounting height up to 40ft (12.2m)
- 360° coverage pattern
- Technology Partner SILVAIR



Suitable for indoor Use Only



## Summary

Sensor Type:  
PIR occupancy sensor

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

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

0-10V Output: 60 mA

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

Max Range<sup>1</sup>:  
40ft (12.2m) radius

Max Bluetooth Range<sup>2</sup>:  
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-SR 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-SR 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 and outdoor\*\* applications. It supports fixture and ceiling mounts up to 40 ft (12.2 m) high. Both sensor and power pack are rated for use in temperatures ranging from -30° to 70° C and relative humidity from 90 to 95% at 30° C.

## Sensor Operation

**TruBlu™ Mesh Controls:** Qualified for Bluetooth Mesh 1.0.1 (SIG), the sensor can pair with an iOS application to allow initial setup and subsequent sensor adjustments. The mobile application enables adjustment of sensor parameters such as time delay, dim level, daylight detection, 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.

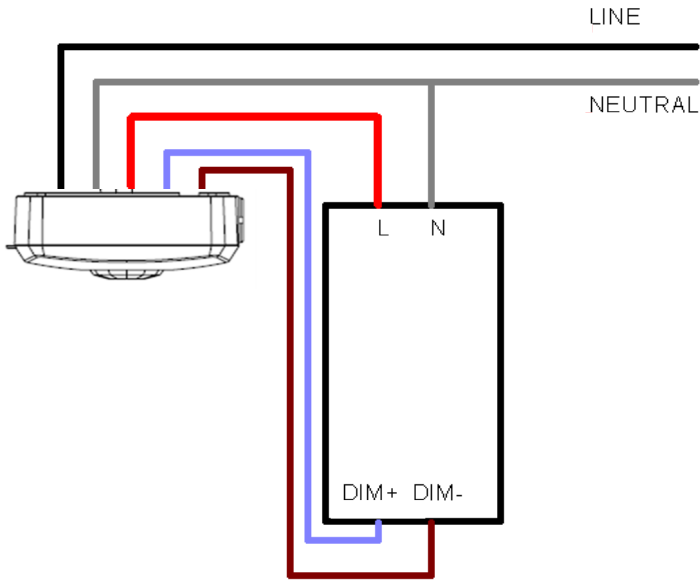
**Relay:** High current relay built in for load control

See TruBlu™ Commissioning User Manual for more info.

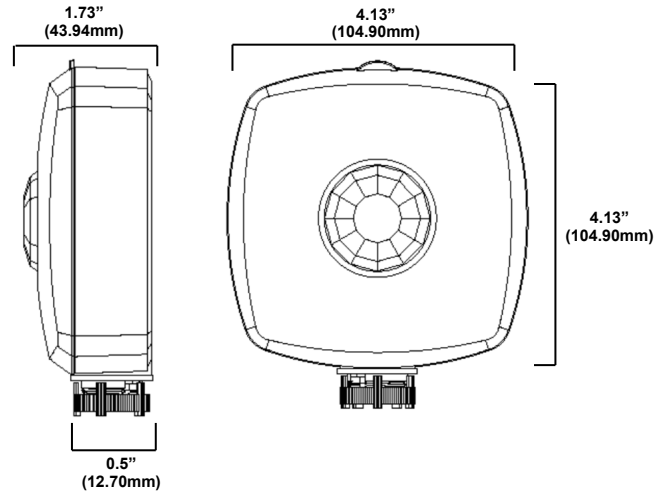
## How to Order

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

**Wiring Diagrams**

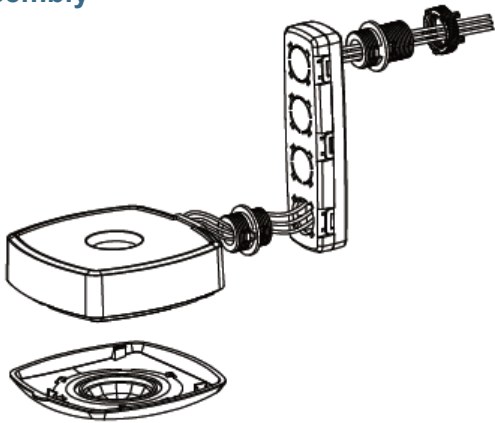


**Physical Dimensions**



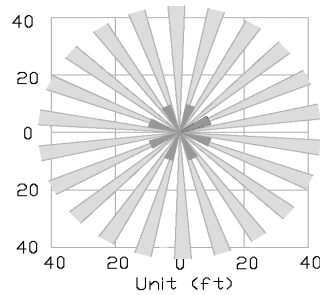
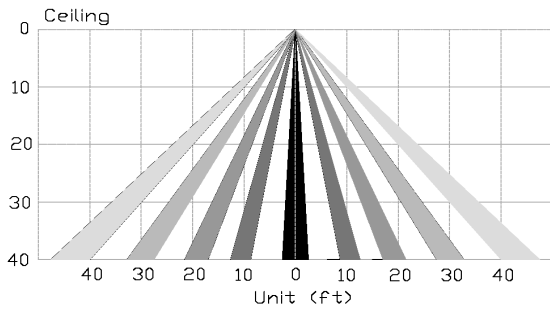
Drawings are Not to Scale

**Assembly**

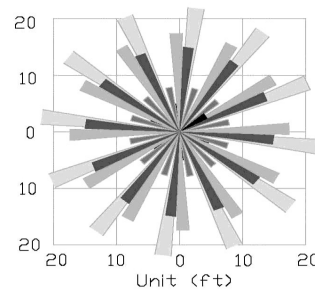
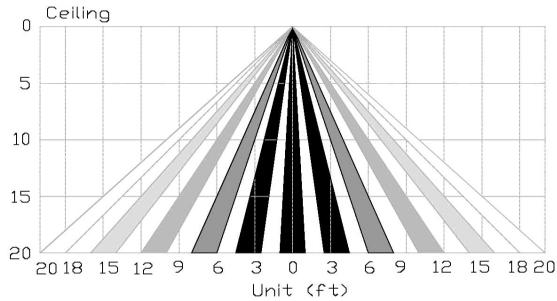


**Detection Area**

**HBL: High bay lens**



**LBL: Low bay lens**



**Design and specifications are subject to change without notice.**