

# Wireless Indoor Daylight Sensor



## Overview

- Closed Loop[ Daylight Sensor
- Sensor Response Aligned with Human Visual Response Range
- Mounts on Ceiling
- Casambi Wireless Mesh
- 0-100 fc Range
- LED Status Indicator Light
- High End Trim, Zoning, Continuous Dimming
- ioXt Alliance cybersecurity certification



## Applications

mwConnect's Wireless Daylight Sensor (PSC-ND-P-CM-DC-BLE-CB) provides automatic lighting control for a variety of indoor applications. It can be mounted on any flat surface such as ceiling or fixture.

Typical applications include classrooms, private offices, conference rooms, lobbies, corridors and any indoor areas where daylight harvesting control is needed.

## Accessories

**Power Pack:** The PSC-ND-P-CM-DC-BLE-CB operates on 12-24 VDC input and requires a separate power pack such as the mwConnect PacWave™ PSC-AC-PP-400/800.

Alternatively, the sensor can operate with a driver that has an auxiliary output (12V).

## Sensor Operation

**Casambi Wireless Mesh Controls:** The sensor connects to a wireless mesh network via a mobile app, available as iOS or Android, to allow initial setup and subsequent parameters adjustments.

**User Interface:** Using the mobile app, end users can then program length of delay time/wait time (this delay prevents the system from adjusting levels as a cloud passes by or another short environmental change happens), ramp and fade time, and other settings using these commissioning tools.

**Dimming:** The sensor transmits to a mwConnect Casambi Fixture Controller to control LED drivers.

See mwConnect Casambi Commissioning User Manual for more information.

## Summary

Sensor Type:  
Daylight Sensor

Input Voltage | Current Consumption:  
12-24 VDC | 40 mA max

Photodiode: Sensor-Human Visual  
Response Range Aligned

Mounting: Ceiling

Mounting Height: 12 Ft nominal

Measuring Range: 0-100 fc (0-1076 Lux)

Max Wireless Range<sup>1</sup>  
100ft (30.4m)

Operating Temperature:  
-20° C to 55°C

Storage Temperature:  
-40° C to 80°C

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

Color: White

Warranty: 5 years

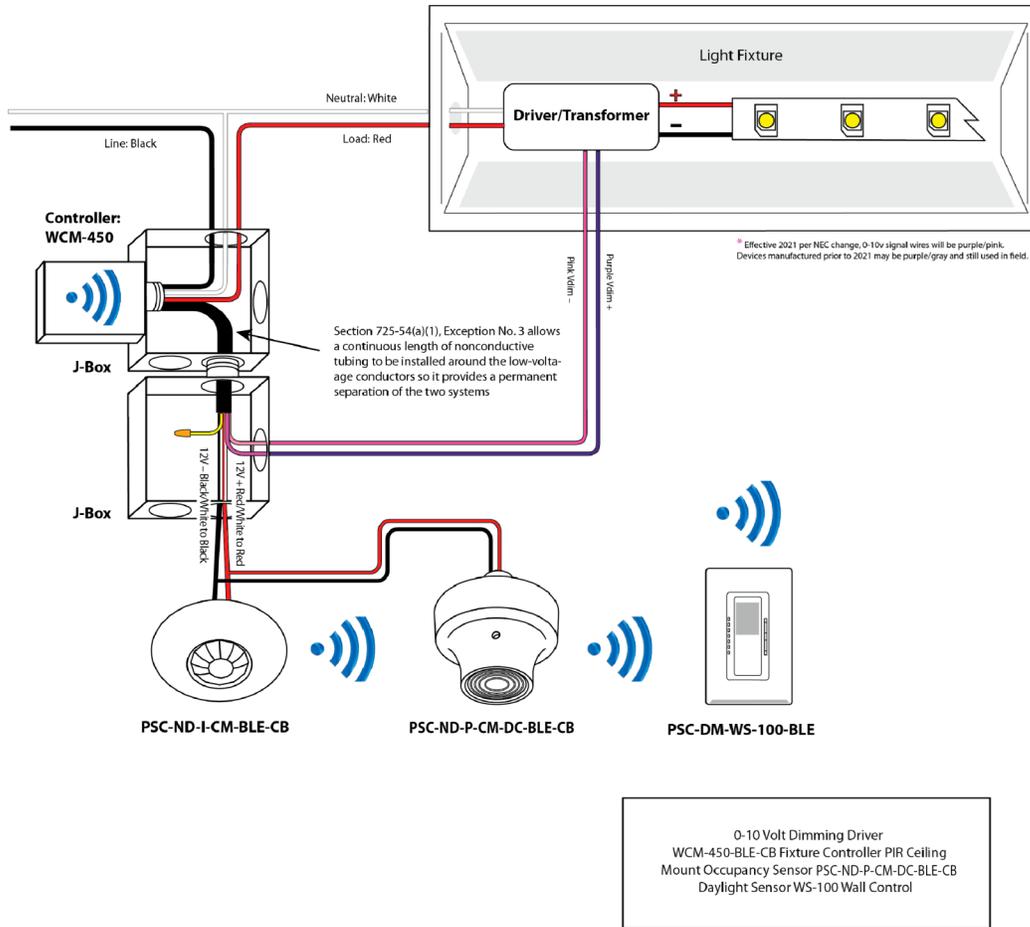
Note:

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

Project

Location/Type

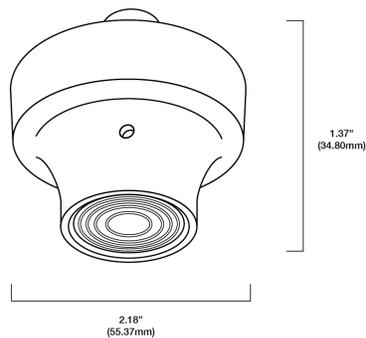
Wiring Diagram



Recommended Practice

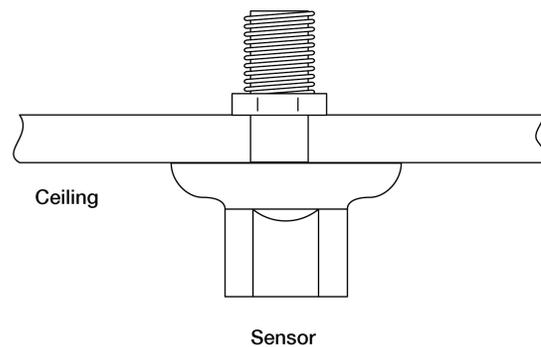
Daylight Sensors should be located in the primary or secondary (if desired) daylight zone as directed by local energy code. Sensor should be pointed down at a light colored reflective surface, like a desk.

Physical Dimensions



Drawings are Not to Scale

Installation



How to Order

Model No.	Description	Input Voltage	Output
PSC-ND-P-CM-DC-BLE-CB	Daylight Sensor, with Casambi Wireless Mesh	12-24VDC	Wireless Mesh Command

For Line to Low Voltage Power Supply/Controller, please check mwConnect PSC-AC-PP-200/300/400/700C/800/900. Design and specifications are subject to change without notice.