CASAMBI

Manufactured by: **mwConnect**

PRODUCT TECHNICAL SPECIFICATIONS | EN

Project:

Reference Type:

Item Code:

Date:

Ceiling Mount Dual Tech OCC/VCC Sensor

PSC-BL-D-CM-DC-BLE-CB

Product Description

The Dual Tech Occupancy Sensor uses both PIR and ultrasonic detection methods to provide improved performance in areas where a PIR sensor alone will not suffice. This device is communicates wirelessly via Casambi Mesh technology allowing for wireless control of luminaires. The sensor is suitable for a variety of indoor applications and mounts to a standard electrical junction box or enclosure.

Technical Data

Color Available: White • Black

Current Consumption: 60 mA @ 12VDC / 40 mA @ 24VDC

Input Voltage Range: 12 to 24 VDC

Pir Sensing Range: 1600 ft² (150 m²)

Power Source: Low Voltage (12–24 VDC)

Sensing Technology: Dual Tech (PIR + Ultrasonic)

Ultrasonic Sensor Range: 900 ft² (85 m²)

Radio Tranceiver

Casambi Tested BLE Range: 100 ft (30.4m)

Mechanical Data

Ambient Temperature: -22°F to 158°F (-30°C to 70°C)

Humidity: 90-95% non-condensing

Install Notes: Surface Mount to Electrical Enclosure. Suited for Mounting up to 12ft (3.7m). This sensor operates on 12-24VDC input power and requires a separate mwConnect power pack. See the mwConnect line of Power Packs and Power Supplies.

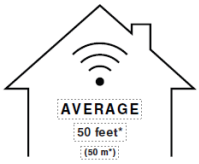
Mounting Type: Ceiling mount up to 12 ft (3.7m)

Storage Temperature: -40°F to 176°F (-40°C to 80°C)

Product Warranty: 5 years

Range

Average 50ft distance



*The wireless range of a Casambi unit is dependent on several factors; how it has been integrated into a luminaire, where it has been installed; taking into consideration surrounding obstacles such as walls and other building materials that may block signals. **Learn More**

Certifications

cULus Listed E341446 • FCC • ioXt

Warning!

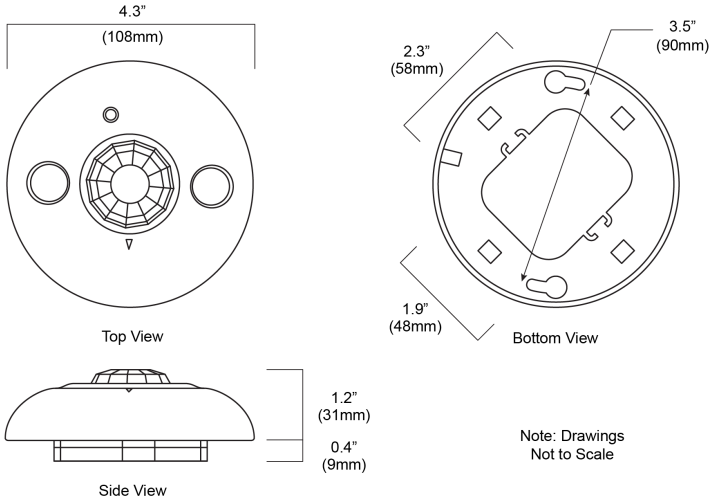
⚠ Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections. Disconnect the mains power supply and verify its absence prior to installation.

Issued 11 August 2026

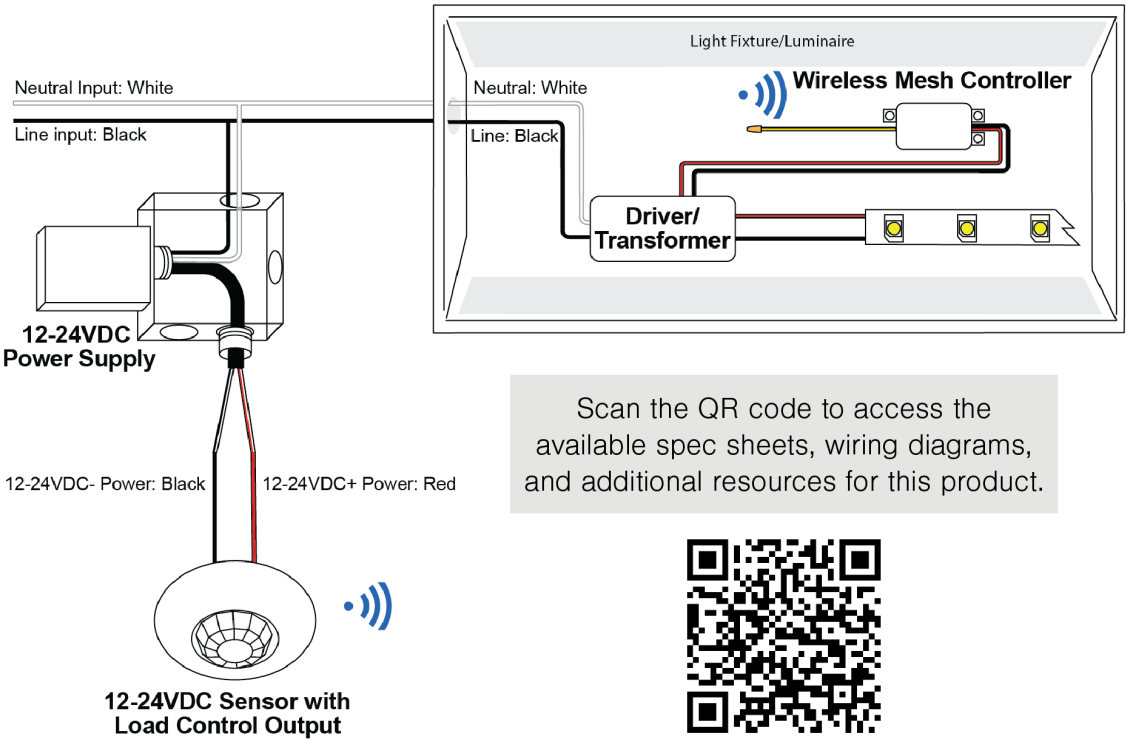
Ceiling Mount Dual Tech OCC/VCC Sensor

PSC-BL-D-CM-DC-BLE-CB

Physical Dimensions



Wiring Diagrams



Scan the QR code to access the available spec sheets, wiring diagrams, and additional resources for this product.

Issued 11 August 2026