

Controls

TruBlu™ Mesh Passive Infrared Sensor-Controller

- Bluetooth® NLC Certified
- 1-Channel 0-10VDC Dimming
- Mounts On Fixture
- PIR Sensor Mounting Height Up To 40 ft (12.2 m)
- Photocell
- High-End Trim, Zoning, Continuous Dimming
- 3.5mm Audio Jack Base
- Quick Connector For Easy Installation
- Powered by 12-24VDC



Specifications

Description

These 1-channel wireless fixture controllers use passive infrared (PIR) motion detection for reliable coverage in both indoor and outdoor applications. Designed to operate in temperatures from -20°C to 45°C , each controller includes an integral photosensor and a compact form factor for seamless fixture integration. Bluetooth® NLC certification and Bluetooth Mesh technology enable wireless dimming and flexible control of luminaires without the need for hardwired connections.

Key Features

- 1-channel PIR sensor and controller
- 12–24 VDC input, 20 mA max current consumption
- 0–10VDC dimming output
- High bay mounting height: 20–40 ft (6.1–12.2 m)
- Maximum sensor range: 80 ft (24.4 m) diameter
- Fixture mount via audio jack receptacle
- Maximum Bluetooth® range: 100 ft (30.4 m)
- Operating temperature: -20°C to 45°C ; black or white housing

Operation

- Bluetooth® NLC certified for true multi-vendor interoperability
- Uses Bluetooth Mesh technology for wireless control
- Configured via TruBlu™ web portal or iOS mobile app
- App supports initial setup and ongoing parameter adjustments
- Optional TruBlu™ Gateway enables energy monitoring and demand response
- Single-channel controller with 0–10V dimming output
- Integral photosensor enables ambient light-based control
- Audio jack mounting for direct fixture integration

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

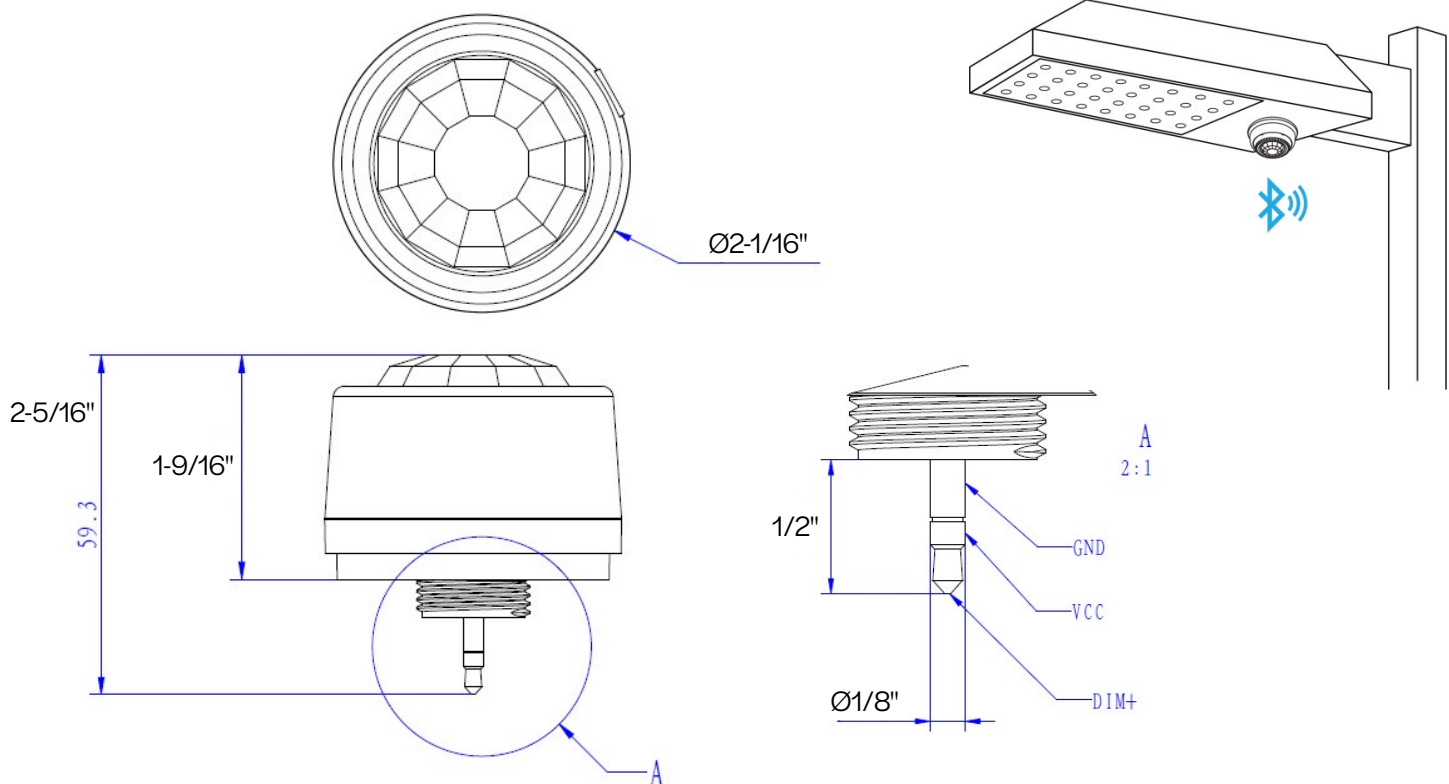
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Ordering Information

Product SKU	Product Code	Product Description
25418	PSC-JAV-I-11H-BLE-SR-BK	TruBlu SIG Mesh PIR Highbay/Lowbay 0-10V Dimming Sensor Controller, 12-24VDC, 3.5mm Audio Jack with Photocell, Black
25419	PSC-JAV-I-11H-BLE-SR-WT	TruBlu SIG Mesh PIR Highbay/Lowbay 0-10V Dimming Sensor Controller, 12-24VDC, 3.5mm Audio Jack with Photocell, White

Dimensions

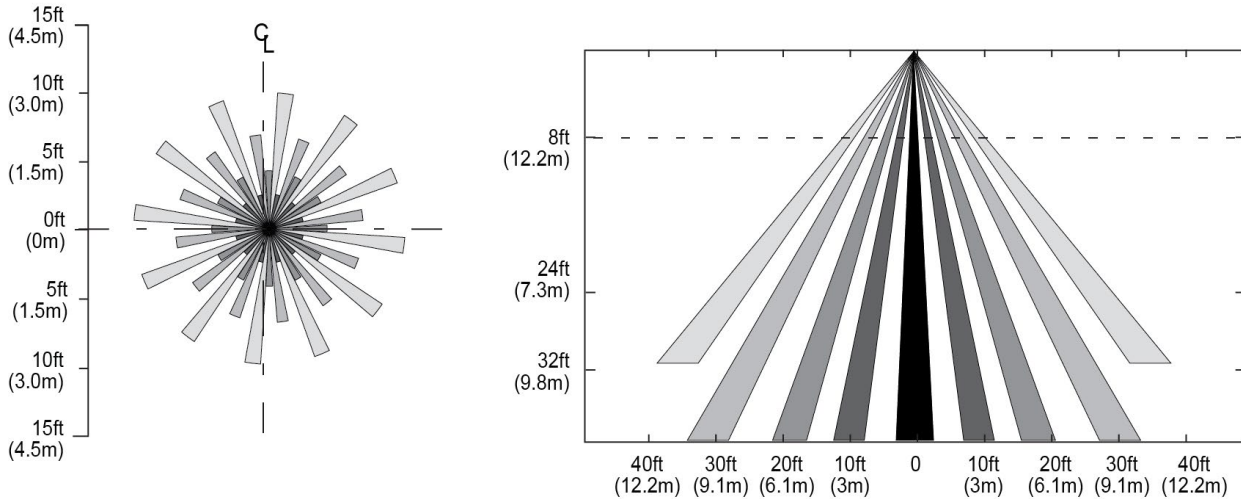


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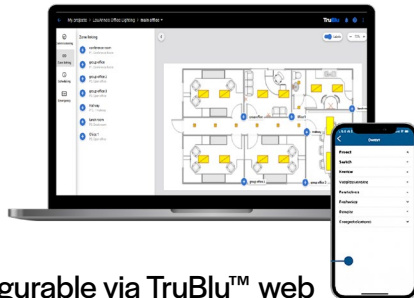
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Sensor Patterns

High Bay Lens (H) Pattern



Commissioning App



Configurable via TruBlu™ web portal or iOS mobile app



Scan to Download the App for iOS Devices