DATA SHEET

Casambi Mesh Passive Infrared Sensor-Controller w/ Audio Jack

Overview

- Casambi Wireless Mesh
- 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 by12-24VDC

Applications

The PSC-JAV-I-11H products are a series of 1-Channel Wireless Fixture Controllers and use PIR motion detection architecture and passive infrared (PIR) technology for improved detection coverage.

The controllers are suitable for a variety of outdoor and indoor applications in temperatures ranging from –20° to 45°C. The models also have an integral photosensor.

These devices are controlled wirelessly via Casambi Mesh technology allowing for wireless dimming of luminaires. The compact size allows for seamless integration to the fixture.

Operation

Casambi Wireless Mesh Controls: The controller 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, features include: setup, control real time feedback, and scheduling without a gateway or internet access.

1-Channel: Outputs 0-10 dimming channel for driver control.

Photosensor: An integral photosensor provides ambient light level sensing for automatic control of daytime or nighttime designated scenarios.

Audio Jack: The controller mounts to a Audio Jack receptacle.

Summary

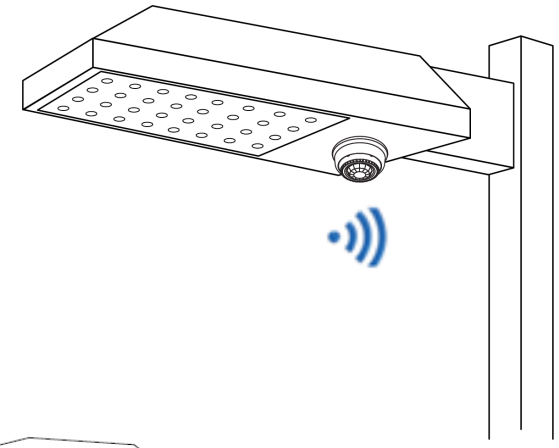
Product Type: 1-Channel PIR Sensor and Controller
Input Voltage | Current Consumption: 12-24 VDC | 20 mA max
0-10VDC Output
Mounting Heights: High Bay 20-40ft (6.1-12-2m)
Max Sensor Range: High Bay 80ft (24.4m) diameter
Fixture Mount: Audio Jack
Max Wireless Range[1]: 100ft (30.4m)
Operating Temperature: -20°C to 45°C
Storage Temperature: -40°C to 85°C
Relative Humidity: 90-95% non-condensing at 30°C
Color: Black, White
Warranty: 5 years

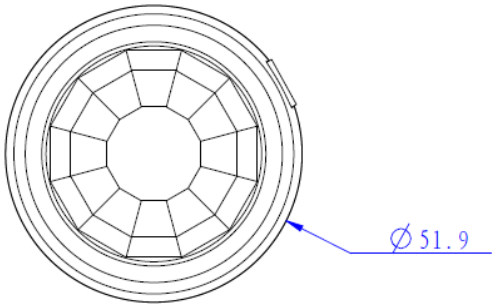
Note:

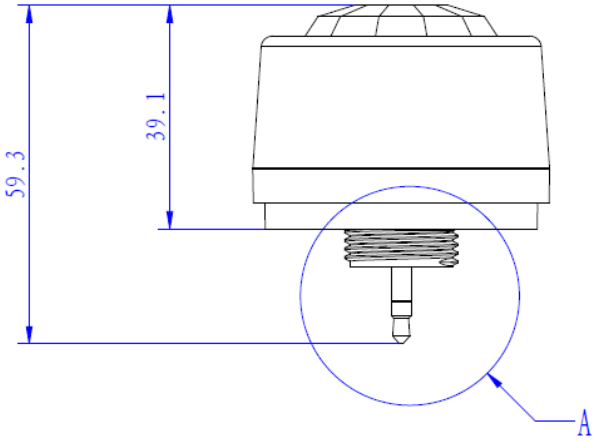
1. Wireless Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

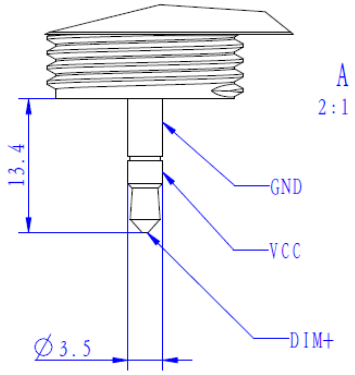
Project	
Location/Type	

Physical Dimensions



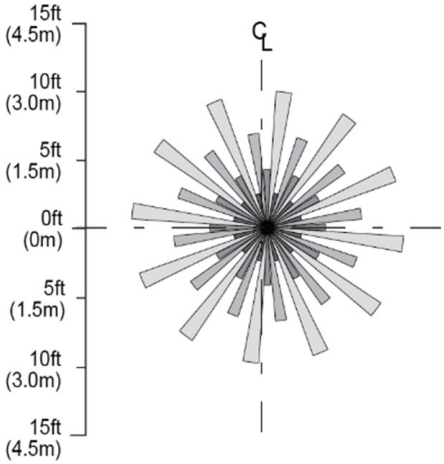


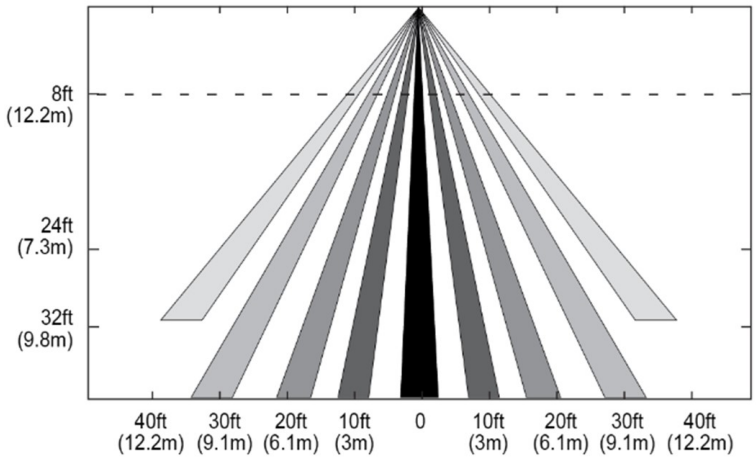




All dimensions in mm
Drawings are Not to Scale

Sensor Patterns





High Bay Lens (H) Pattern

Model Number Matrix

PSC	JAV	I	11	H	BLE	CB	__ __
PSC	**JAV**	**I**	**11**	**H**	**BLE**	**CB**	**BK**
	0-10V Outdoor Audio Jack Device	Passive Infrared (PIR) Sensor	0-10V Base Photo Sensor	High Bay Lens Pattern	Wireless	Casambi Mesh Compatible	Black Finish
							WT
							White Finish

Example:

PSC-JAV-I-11H-BLE-CB-BK