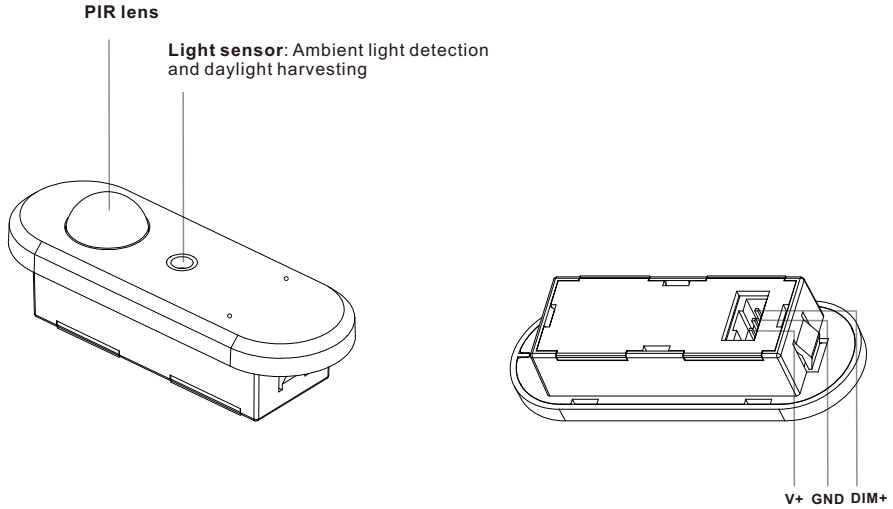
SUNRICHER

Casambi Wireless Fixture-Integrated PIR Sensor + Light Sensor + 0-10V Dimming

Important: *Read All Instructions Prior to Installation*

Function introduction



Note:

V+: Power supply(+) **GND:** Common port for Power supply(-) & DIM- **DIM+:** 0-10V signal port(10V)

Product Description

The fixture-integrated sensor combines presence sensing, daylight harvesting, 0-10V dimming and Casambi radio technology. The sensor can work with 0-10V dim-to-off LED drivers, and the luminaires just need to be connected to mains power. The result is increased occupant comfort and significant energy savings that meet the most demanding building energy codes.

Casambi Technology Explained

The Casambi technology provides a mesh network where all the intelligence of the system is replicated in every node and, in such a way, creates a system with no single point of failure. In this kind of fully distributed architecture, any unit can go offline and catch up from others when they return back online.

Wireless Features

- Control a large number of fixtures from any point
- Simple to use UI
- Wide range of functionality – Grouping Luminaires, different lighting situations for different occasions, colour temperature, daylight sensor, occupancy sensor and much more.

Key Features
- PIR motion detection
- Daylight harvesting
- Works with 0-10V dim-to-off LED drivers
- Autonomous sensor-based control
- Can be use for indoor applications

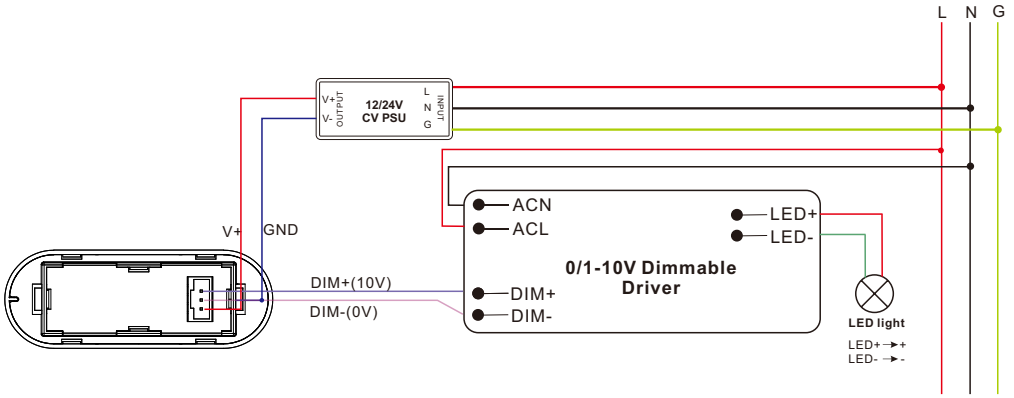
Benefits
- Cost-effective solution for energy savings
- Energy code compliance
- Robust mesh network

Applications
- Residences
- Offices
- Meeting rooms
- Corridors

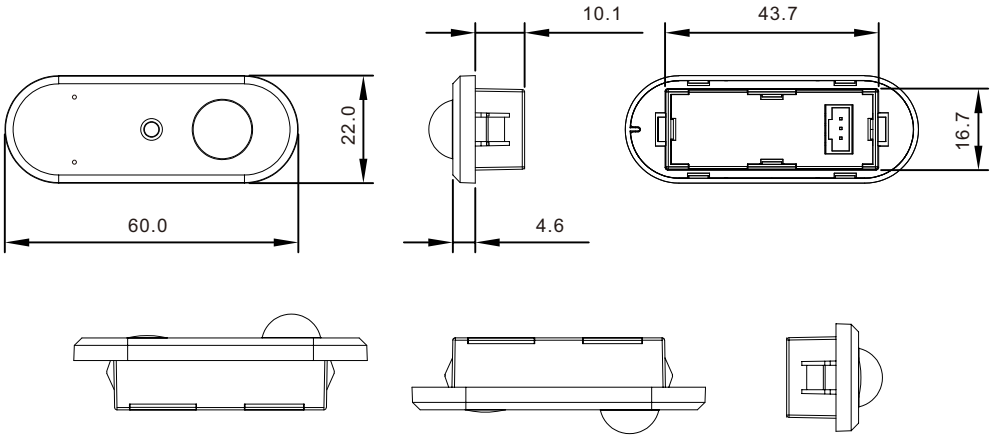
Product Data

Input		Output, 0/1-10V	Control		Environment		Others
Power	Signal	Current	Dimming Curve	Dimming Method	Operating temperature	Relative humidity	Size
12-24VDC	Bluetooth	Max. 20mA	Logarithmic	0-10V	0°C~+45°C	8% to 80%	See dimensions

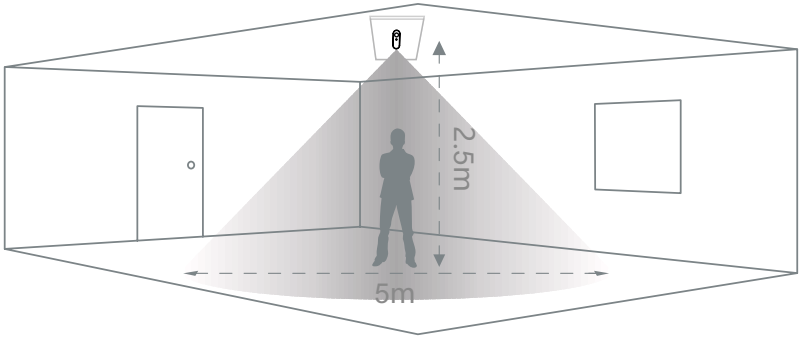
Wiring Diagram



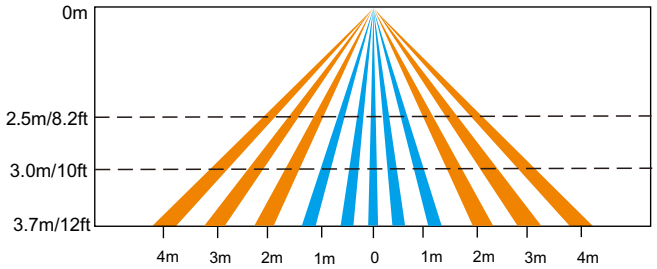
Product Dimension



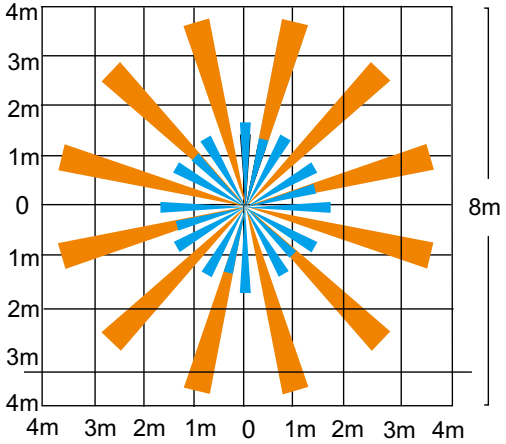
Detection Pattern



Coverage Side View



Coverage Top View



The detection area for movement sensor can be roughly divided into two parts:

Slow movement (person moving < 1.0'/s or 0.3m/s)

Quick movement (person moving > 1.3'/s or 0.4m/s)