

PROJECT

TYPE

DATE

ITEM NO.

NOTE

WIRELESS BLUETOOTH MOTION SENSOR

OSBT108

Bluetooth motion sensor

DESCRIPTION

The OSBT108 combines PIR sensor, daylight harvesting, and Bluetooth® Mesh into a convenient, plug and play, field installable sensor. It is compatible with many Alphalite luminaires.

APPLICATION

Perfect for panel, troffer, and select architectural lighting fixtures. Applications: warehouse, storage, manufacturing, shops, retail, distribution centers.



SPECIFICATION FEATURES

Overview

- PIR sensing with daylight harvesting
- Bluetooth® Mesh
- High-End Trim, Zoning, Schedule, Continuous Bi-level dimming
- Suitable for 0-10V dimmable LED driver
- Gateway-less configuration & operations

Features and Benefits

- Integrated Bluetooth connectivity
- PWM dimming available
- Daylight Harvesting + PIR analog sensing technology with AlgoH2 algorithm
- Low-profile linear design with minimal height above luminaire
- 4-pin design enables color-tuning (Required the LED driver with color-tuning control wire)



Warranty

- 5-year limited warranty

Warning

NOTE: The sensor will run self-test for 12s after cold start, it automatically pauses after the device connects to the App.

NOTE: Factory default settings: Motion sensor=ON, Daylight Harvesting=OFF, hold on time=20 min, dimming time=1 min, dimming level=50%.

NOTE: After adding lights to the APP, you are able to program the sensors, please follow up the app instruction.

ORDERING INFORMATION

Available with the following Alphalite products:

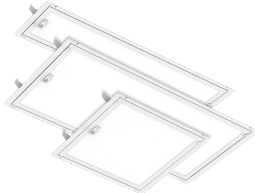
BFPL-S & BFPL-HB

RFPL

STL-S

ILT-CB

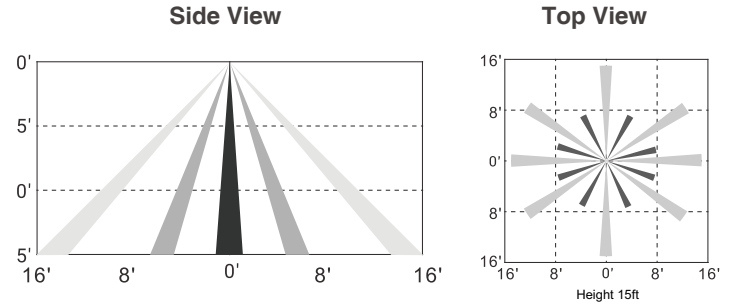
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SUMMARY

Power Supply	DC 12V
Sinking Current	25mA Max.
Pair method	Keilton app
Factory Reset	Reset button is beside PIR lens
Wireless standards	Bluetooth® Mesh, Bluetooth® NLC
Radio Frequency	2.4GHz ± 75MHz
Occupancy Sensing Type	Passive Infrared Detector (PIR)
Status Indicators	Blue as Occupancy detection
Operating Temperature	-22°F - +131°F (-30°C~+55°C)
IP Rating	IP20
Detection Angle	360°
Mounting Height	18ft Max.
Bluetooth Range	100ft Max.
Warranty	5 years Limited

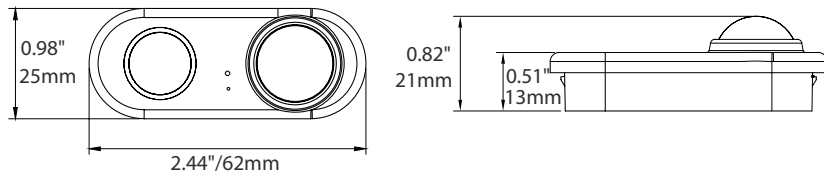
SENSOR COVERAGE



PHYSICAL PARAMETERS

DIMENSION

Unit: inch/mm



WIRING DIAGRAMS

