

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.



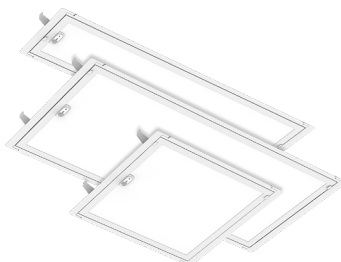
## ORDERING INFORMATION

Available with the following Alphalite products:

BFPL-S &amp; BFPL-HB



RFPL



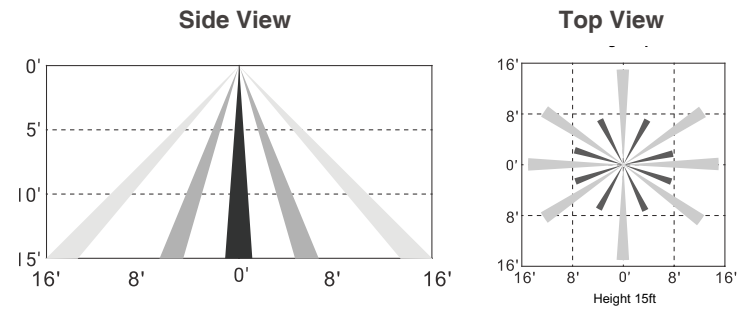
STL-S



## SUMMARY

Power Supply	DC 12V	Detection Angle	360°
Sinking Current	25mA Max.	Mounting Height	18ft Max.
Pair method	Keilton app	Bluetooth Range	100ft Max.
Factory Reset	Reset button is beside PIR lens	Warranty	5 years Limited
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		

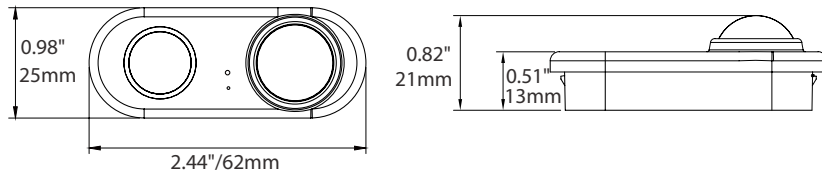
## SENSOR COVERAGE



## PHYSICAL PARAMETERS

### DIMENSION

Unit: inch/mm



### WIRING DIAGRAMS

