

PROJECT

TYPE

DATE

ITEM NO.

NOTE

WIRELESS BLUETOOTH MOTION SENSOR

OSBT-15PGE

Bluetooth motion sensor

DESCRIPTION

The OSBT-15PGE 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
- Max Bluetooth range 100ft
- 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: Warm up time is 40seconds. After the sensor connects input power first time, the light will keep on 40 seconds, then go to work normally.
NOTE: Factory Default Setting: 100% sensitivity, Hold on time 5min, Daylight sensor is ☀, Dimming level 30%, Dimming time: 60minutes.
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:

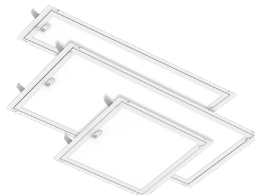
BFPL-S & BFPL-HB

RFPL

STL-S

ILT-CB

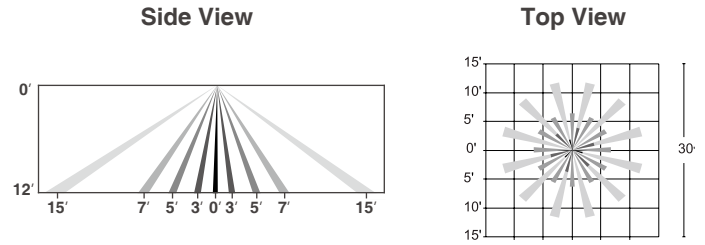
IRT



SUMMARY

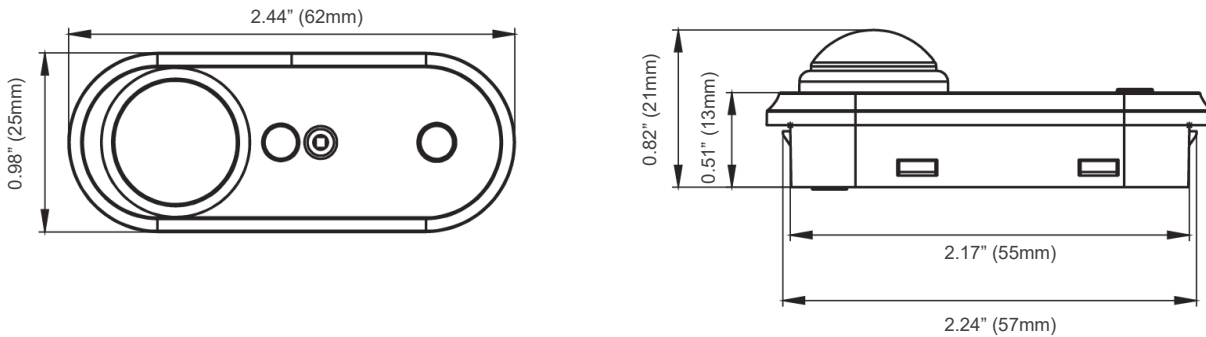
Power Supply	DC 10-14V
Sinking Current	25mA Max.
Pair method	GEBC app
Factory Reset	Press and hold the reset button for 5 seconds
Wireless standards	Bluetooth® Mesh, Bluetooth® NLC
Radio Frequency	2.4GHz ± 75MHz
Occupancy Sensing Type	Passive Infrared Detector (PIR)
Operating Temperature	-4°F - +140°F (-20°C~+60°C)
IP Rating	IP20
Detection Angle	360°
Mounting Height	12ft Max.
Bluetooth Range	100ft Max.
Warranty	5 years Limited

SENSOR COVERAGE



PHYSICAL PARAMETERS

DIMENSION



WIRING DIAGRAMS

