Project: _____ Distr./entr.: _____

Type: _____ PO: _____ Date: _____

Technilight SMART

TSBSPF9D

Plug and play long range sensor



Description

The TSBSPF9D high bay sensors are ideal for outdoor use. Featuring an integrated collection system, passive infrared (PIR) motion sensors, integrated long-range antennas, and a UV-resistant black nylon housing, the TSBSPF9D sensors are designed for plug-and-play installation on linear, UFO, or floodlight fixtures with sockets compatible with one of the available bases. These sensors are equipped with the AlgoH2 algorithm for accurate detection up to 40 feet away, minimizing false triggers.

Features

- Photoelectric and PIR detection technology with AlgoH2 algorithm for maximum detection, allowing installation up to 40 feet without false triggering.
- Photoelectric cell for maintaining on/off function.
- Ideal for outdoor use / IP66, wet environments.
- UV-resistant nylon housing (black housings).
- Enhanced long-range antenna, Bluetooth transmission range: up to 328 feet.

Requirements

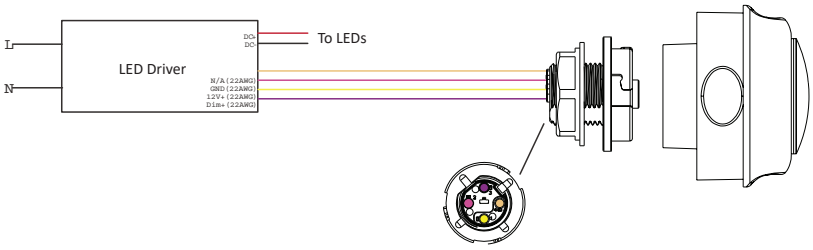
- Requires dimmable LED drivers with 12V auxiliary output.
- Requires a Zhaga plug (sold separately).

Specifications

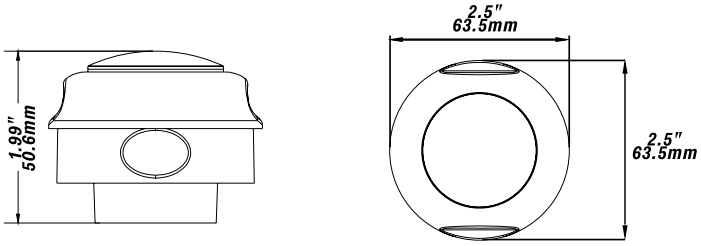
Input voltage	DC 12V
Input current	50mA Max
Input power	0.6W
Output current	10mA Max
Output power	0.1W
Dimming	Class 2, 0-10V DC 10mA Max
Sinking current	10mA Max
Bluetooth transmit	328’ Max
Radio frequency	2.4GHz ± 75MHz
Bluetooth version	5.0
Housing material	UL 94-5VA Nylon
Detection range	40’-80’
Mounting height	20’-40’
Operating temperature	-30°C ~ 55°C, -22°F ~ 131°F
Storage temperature	-30°C ~ 85°C, -22°F ~ 185°F
IP rating	IP66 / Wet locations
Color	Black
Warranty	5 years
Compliance	UL8750, RoHS
Compliant standard interfaces	Zhaga book 18
Sécurité	cULus Listed LED Controller E547370 DLC: coming soon

Information subject to change without notice. Pictures for illustration purpose only. rev. 2.5.4

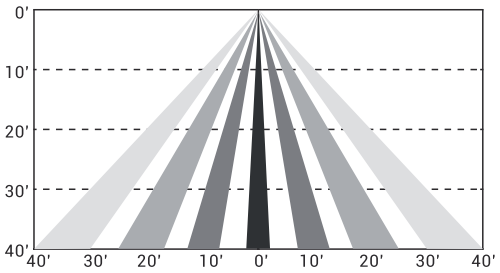
Wiring



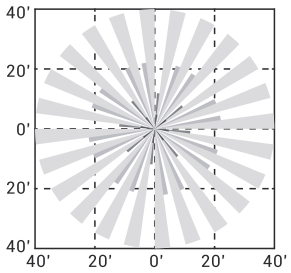
Dimensions



Coverage side view



Coverage top view



Height: 40 ft

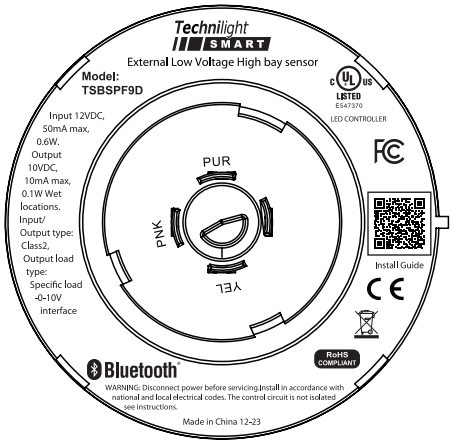
Transmission

Wireless signal strength	
Transmission distance	RSSI (dbm)
82’ (25m)	-76
164’ (50m)	-79
246’ (75m)	-87
328’ (100m)	-90

Note : The test transmission distance of two TSBSPF9D

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Product label



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Application

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Android

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