

Keilton + autani

EFS106-W Series

Plug and Play High Bay
Long-Range Sensor



©FLASHNET™



EFS106-BH4-W
(Lens Sold Separately)



EFS106-Z10-W
(Lens Sold Separately)



EFS106-AUX-W
(Lens Sold Separately)

Description

The EFS106-W series high bay sensors are ideal for outdoor use. Featuring integrated harvesting, passive infrared (PIR) motion sensors, integrated long-range antennas, and a one-piece UV-rated nylon housing with a black finish, the EFS106-W sensors are designed for plug and play installation in linear high bay or UFO high bay luminaires that have matching receptacles to accept one of the bases available with the sensors. These sensors are equipped with the **AlgoH²** algorithm to maximize accurate detection for high bay applications up to 50 feet, minimizing false triggers.

Features

- Photocell+PIR sensing technology with **AlgoH²** algorithm to maximize detection for mounting up to 40 feet without false triggers
- Photocell for Hold ON/OFF operation
- WHBL10-B and WHBL30-2-B series lens options (sold separately)
- IP66/Wet Location
- Ideal for Outdoor Use/Wet Location
- One-piece UV rated nylon housing (black finish housings)
- Enhanced long range antenna, Bluetooth Transmit range: 328ft max
- Daylight Harvesting available on EFS106-AUX-W.D4

Requirement

- Lens sold separately, requires lens such as WHBL10-B and WHBL30-2-B
- Requires Dim-to-Off LED drivers with 12V AUX output
- Requires a mating receptacle (ex. WSC01, BH4W. 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	328ft Max
Radio Frequency	2.4GHz ± 75MHz
Bluetooth Version	4.2/5.0
Housing Material	UL 94-5VA Nylon
Detection Range	40-80ft
Mounting Height	20-40ft
Indoor/Outdoor Use	Outdoor Use
Operating Temperature	-30°C to 55°C, -22°F to 131°F
Storage Temperature	-30°C to 85°C, -22°F to 185°F
IP Rating	IP66/Wet Location
Color	White/Black
Warranty	5 years warranty
Compliance	UL8750, RoHS
Compliant Standard Interfaces	Zhaga book 18

Safety

cULus Listed LED Controller E504054
FCC ID: 2A26YLTKTVT2022
DID: D061367
DLC: NLTRC5KL0TN

Mating Receptacle (not included in the product package)



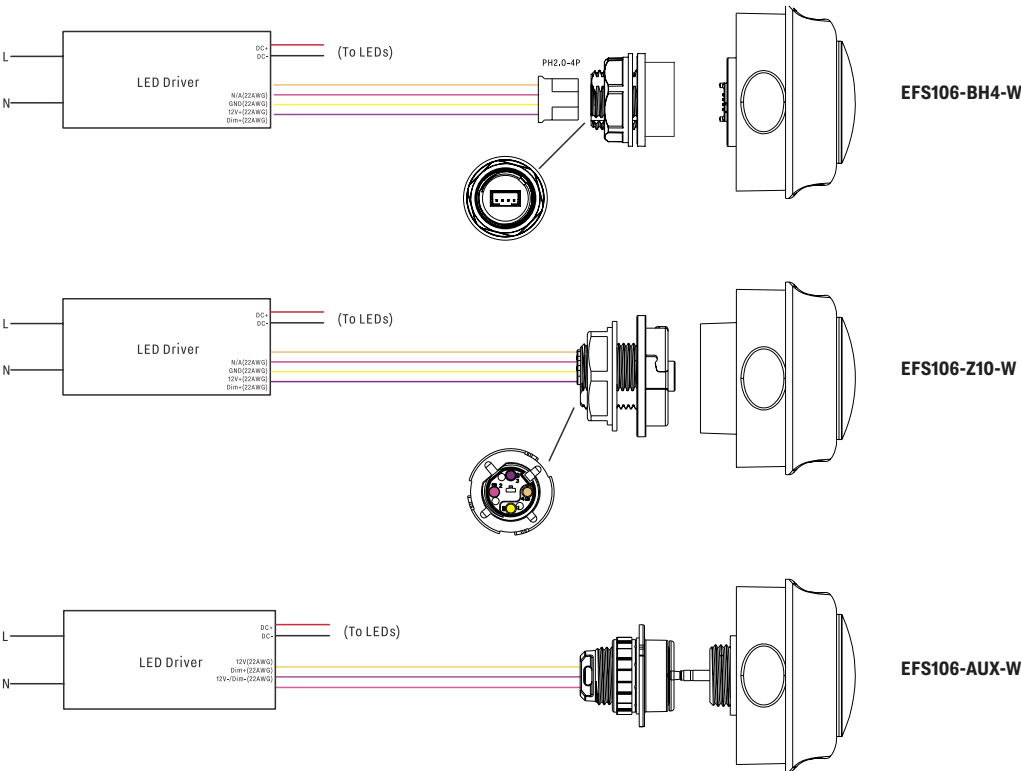
Ordering Information - EFS106-W Series

Model	BASE	Color	Photocell Type	Bluetooth Version	Description
EFS106-BH4-W.B2	BH4	Black	Hold ON/OFF	5.0	Plug and Play High Bay Sensors with Long-Range Antenna for Outdoor
EFS106-AUX-W.D1	AUX	Black	Hold ON/OFF	5.0	
EFS106-AUX-W.D4	AUX	Black	Daylight Harvesting	5.0	
EFS106-Z10-W.D1	Zhaga Z10 (by others)	Black	Hold ON/OFF	5.0	

Ordering Information - Accessories

Model	Type	Description
WHBL10-2-B	Lens	High Bay Lens for wet locations, IP66
WHBL30-2-B	Lens	High Bay Lens for wet locations, IP66
WSC01	Base	Wet Location AUX Receptacle
BH4W	Base	Wet Location BH4 Receptacle
WSC03	Accessory/Adapter	Wet Location AUX Socket Extension Adapter

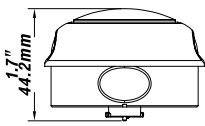
Wiring



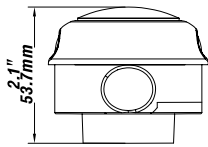
Dimensions

Unit:inch/mm

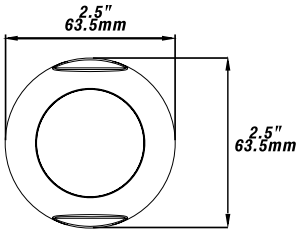
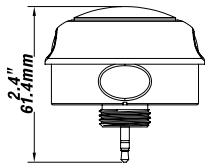
EFS106-BH4-W B1



EFS106-Z10-W B1

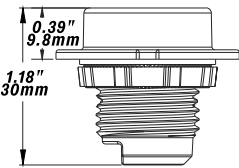


EFS106-AUX-W B1/D4

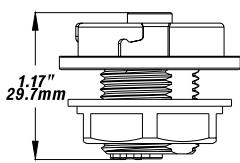


Dimensions - Accessories

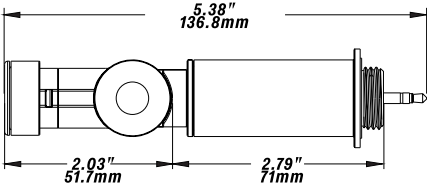
WSC01



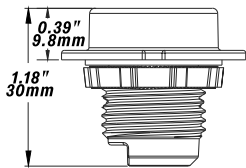
Zhaga Z10 (By Others)



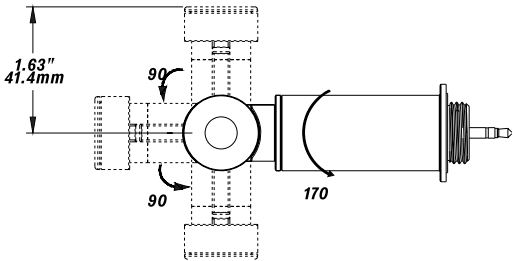
WSC03



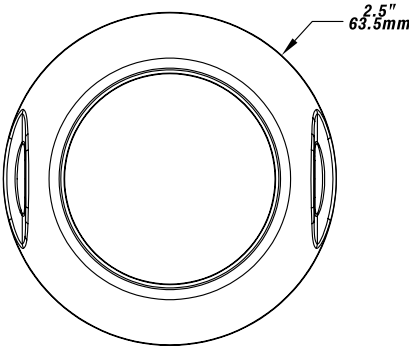
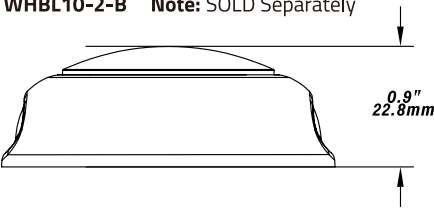
BH4W



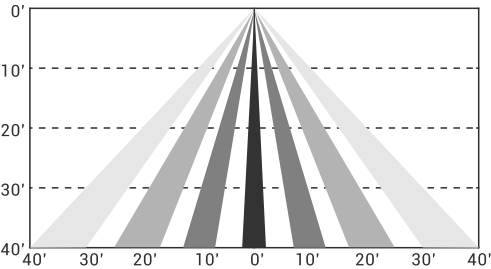
Socket Mounting Dimensions		1/2 inch US standard knockout
Size	T.P.I - inch	Major Dia. - inch
R1/2	14	0.825



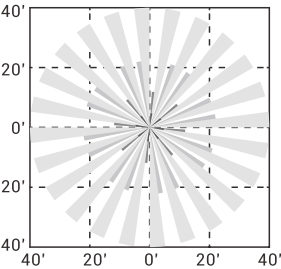
WHBL10-2-B Note: SOLD Separately



Coverage Side View



Coverage Top View

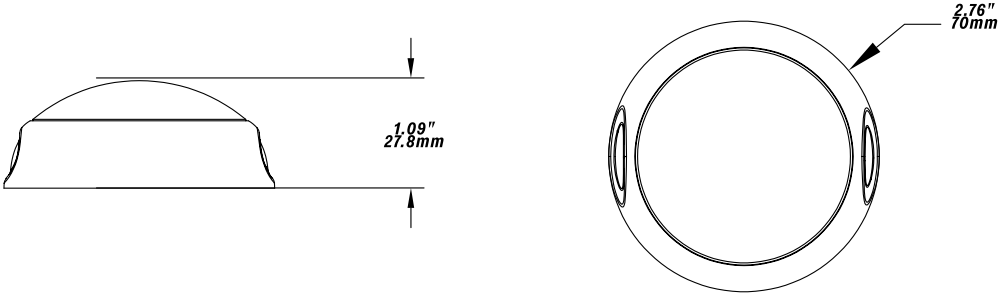


Height 40ft

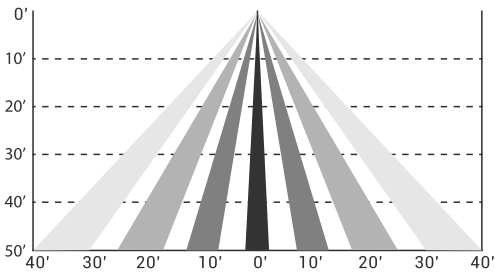
Dimensions - Accessories

Unit:inch/mm

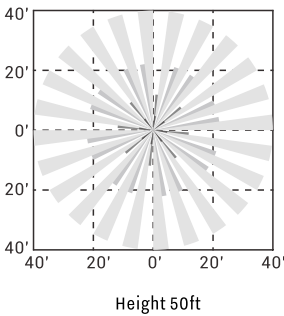
WHBL30-2-B **Note:** SOLD Separately



Coverage Side View



Coverage Top View



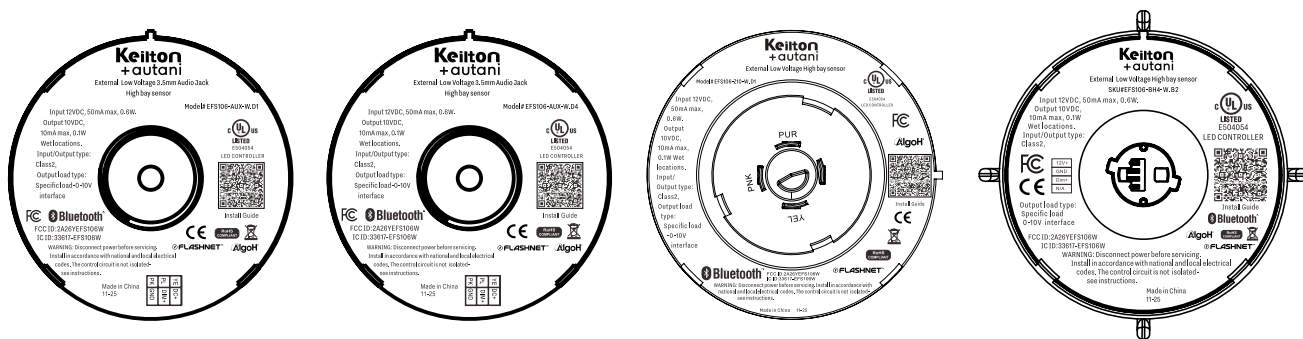
Transmission

Wireless Signal Strength

Transmission Distance	RSSI(dbm)
82ft(25m)	-76
164ft(50m)	-79
246ft(75m)	-87
328ft(100m)	-90

Note: The test transmission distance of two EFS106-W

Product Label



The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by LiteTrace is under license. Other trademarks and trade names are those of their respective owners.

App Download



Due to our continued efforts to improve our products, specifications are subject to change without notice.

Contact Us

7001 Columbia Gateway Drive, Suite 210, Columbia, MD 21046, USA

T: +1 443-320-2233 (M-F 9am-5pm ET)

E: support@autani.com