

# 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 **AlgoH<sup>2</sup>** algorithm to maximize accurate detection for high bay applications up to 50 feet, minimizing false triggers.

### Features

- Photocell+PIR sensing technology with **AlgoH<sup>2</sup>** 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

### 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

<b>Input Voltage</b>	DC 12V
<b>Input Current</b>	50mA Max
<b>Input Power</b>	0.6W
<b>Output Current</b>	10mA Max
<b>Output Power</b>	0.1W
<b>Dimming</b>	Class 2, 0-10V DC 10mA Max
<b>Sinking Current</b>	10mA Max
<b>Bluetooth Transmit</b>	328ft Max
<b>Radio Frequency</b>	2.4GHz ± 75MHz
<b>Bluetooth Version</b>	4.2/5.0
<b>Housing Material</b>	UL 94-5VA Nylon
<b>Detection Range</b>	40-80ft
<b>Mounting Height</b>	20-40ft
<b>Indoor/Outdoor Use</b>	Outdoor Use
<b>Operating Temperature</b>	-30°C to 55°C, -22°F to 131°F
<b>Storage Temperature</b>	-30°C to 85°C, -22°F to 185°F
<b>IP Rating</b>	IP66/Wet Location
<b>Color</b>	White/Black
<b>Warranty</b>	5 years warranty
<b>Compliance</b>	UL8750, RoHS
<b>Compliant Standard</b>	Zhaga book 18
<b>Interfaces</b>	cULus Listed LED Controller E504054
<b>Safety</b>	FCC ID: 2A26YLTKTVT2022 DID: D061367 DLC: NLTRC5KLOTN

## Mating Receptacle (not included in the product package)



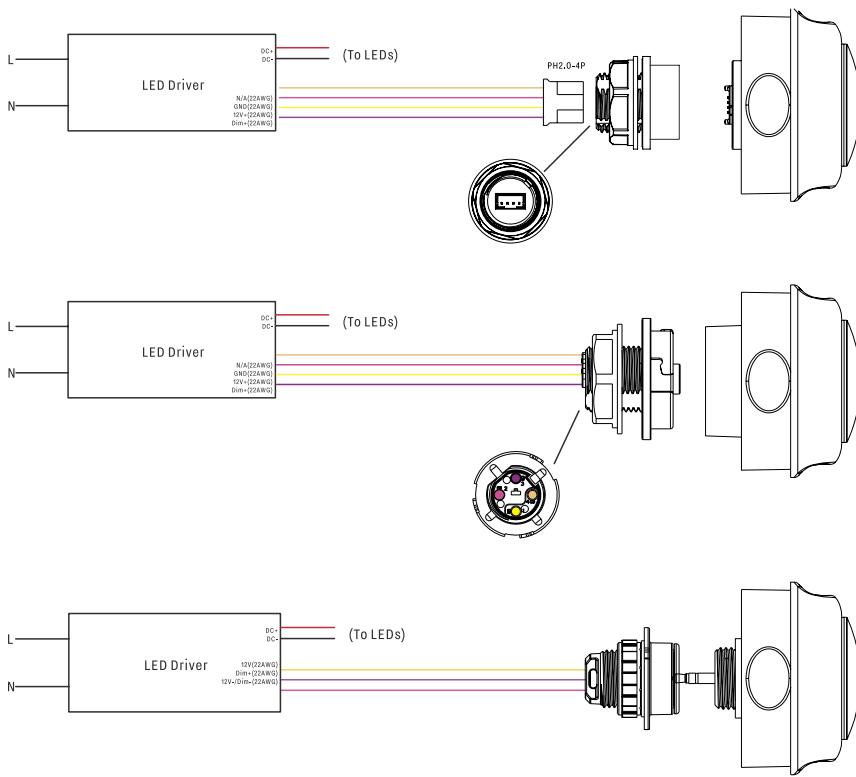
## Ordering Information - EFS106-W Series

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

## Ordering Information - Accessories

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

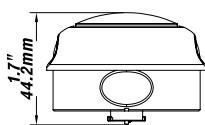
## Wiring



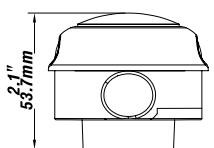
## Dimensions

Unit:inch/mm

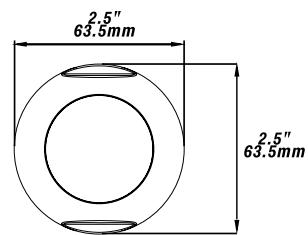
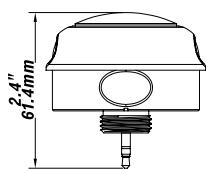
**EFS106-BH4-W B1**



**EFS106-Z10-W B1**

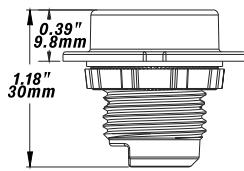


**EFS106-AUX-W B1**

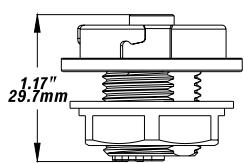


## Dimensions - Accessories

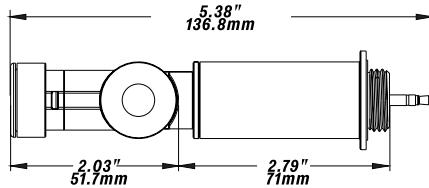
**WSC01**



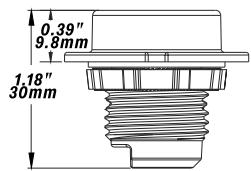
**Zhaga Z10 (By Others)**



**WSC03**



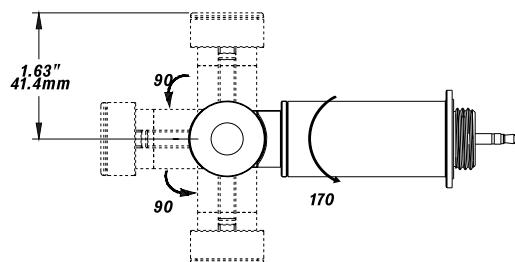
**BH4W**



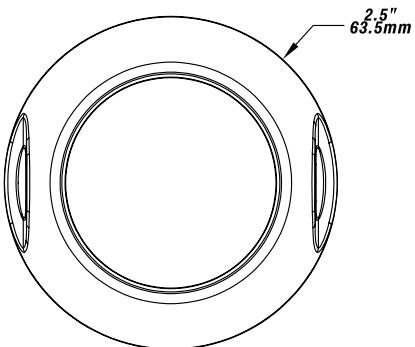
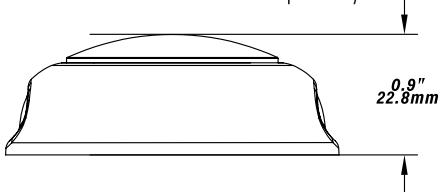
### Socket Mounting Dimensions

1/2 inch US standard knockout

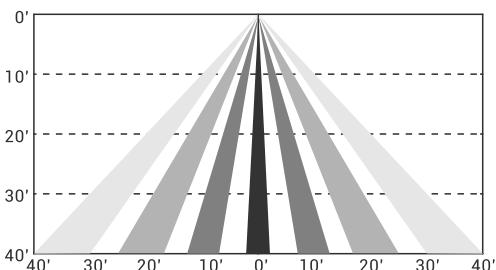
Size	T.P.I - inch	Major Dia. - inch
R1/2	14	0.825



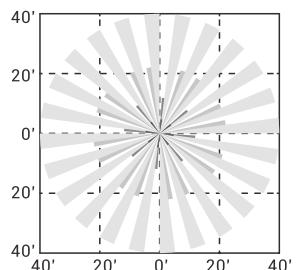
**WHBL10-2-B** Note: SOLD Separately



**Coverage Side View**



**Coverage Top View**

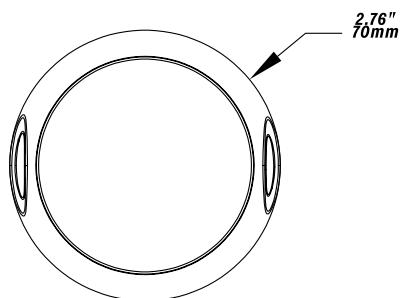
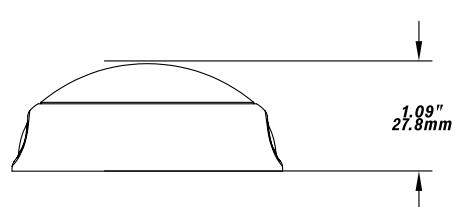


Height 40ft

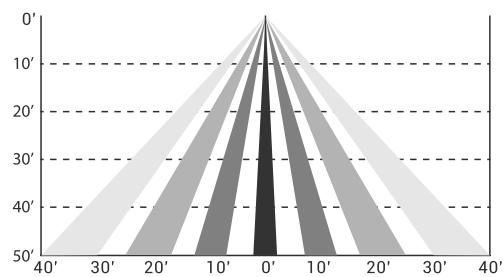
## Dimensions - Accessories

Unit:inch/mm

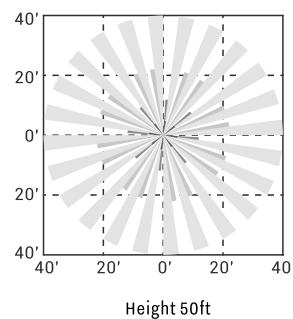
**WHBL30-2-B** Note: SOLD Separately



**Coverage Side View**



**Coverage Top View**



Height 50ft

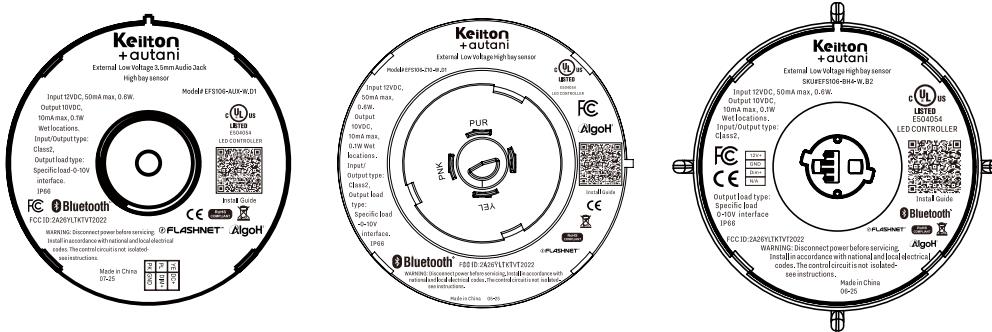
## Transmission

### 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



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## App Download



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

## Contact Us

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