Keilton + autani

EFS106-AUX-W KIT
Plug and Play High Bay Long Range Sensor Kit

WHBL1 Lens

EFS106-AUX-W Sensor

WSC01-AUX Accessory

**WSC03-AUX Socket Extension
(All items shown included in kit)**

Description

The EFS106-AUX-W series high bay sensor kits are optimized for Luminaire Level Lighting Control (LLLC) applications, particularly in outdoor environments. Each kit includes a sensor, lens, receptacle, and extension accessory in a single package. The sensors integrate daylight harvesting, passive infrared (PIR) motion detection, and long-range antennas within a UV-resistant black nylon housing. Designed for plug-and-play installation in linear and UFO high bay luminaires, these sensors utilize provided WSC01-AUX and WSC03-AUX accessories for easy mounting. Featuring the advanced **AlgoH²** algorithm, they ensure accurate detection in high bay applications up to 40 feet while minimizing false triggers, enhancing overall system efficiency and reliability.

Features

- Photocell+PIR sensing with **AlgoH²** algorithm for accurate detection up to 40ft without false triggers
- Photocell for Hold ON/OFF operation
- IP66 rated for wet locations and outdoor use
- UV-protection nylon housing for durability
- Enhanced long-range antenna, Bluetooth range up to 328ft
- WHBL1 lens included for optimal coverage
- WSC01-AUX receptacle and WSC03-AUX socket extension included for versatile installation
- Plug-and-play design for easy integration
- Compatible with linear and UFO high bay luminaires

Requirement

- Requires Dim-to-Off LED drivers with 12V AUX output

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	Black/ White
Warranty	5 year warranty
Compliance	UL8750, RoHS
Safety	cULus Listed LED Controller E504054 FCC ID: 2A26YLTKTVT2022 DID: D061367 DLC: NLTRC5KL0TN

Mating Receptacle and Socket Extension (included in the product package)

WSC01-AUX

WSC03-AUX
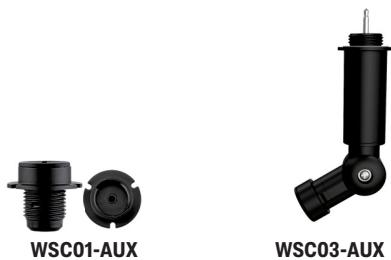
Ordering Information - EFS106-W Series

Model	BASE	Color	Photocell Type	Description
EFS106-AUX-W-KIT	AUX	Black	Hold ON/OFF	Plug and Play High Bay Long Range Sensor Kit
EFS106-AUX-W-KIT	AUX	White	Hold ON/OFF	Plug and Play High Bay Long Range Sensor Kit

* Photocell provides On/Off operation per threshold settings. Does not daylight harvest

Wiring
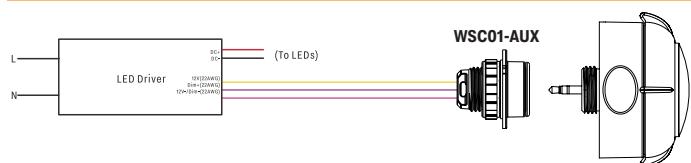
L

N

LED Driver

DC+
DC-
(To LEDs)

10V(22AWG)
Dim+(22AWG)
12P+Dim+(22AWG)

WSC01-AUX

Socket Mounting Dimensions		½ inch US standard knockout
Size	T.P.I - inch	Major Dia. - inch
R1/2	14	0.825
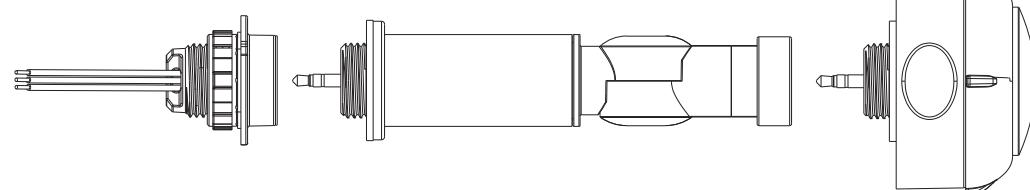
WSC03-AUX

Dimensions

Unit:inch/mm

EFS106-AUX-W B1

2.43"
61.6mm

2.5"
63.5mm

2.5"
63.5mm
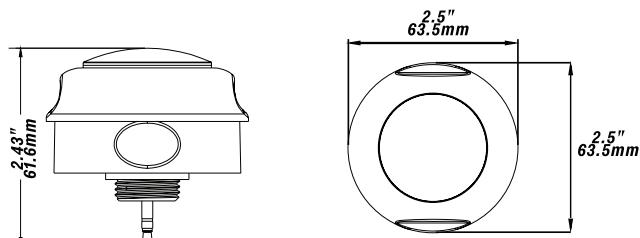
Dimensions - Accessories

WSC01-AUX
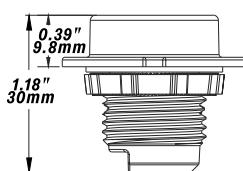
WSC03-AUX
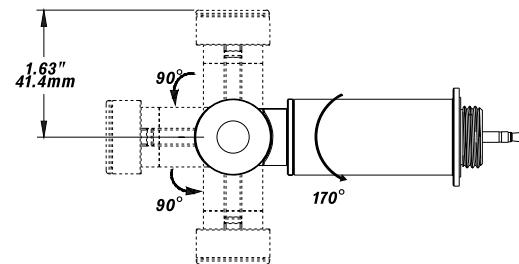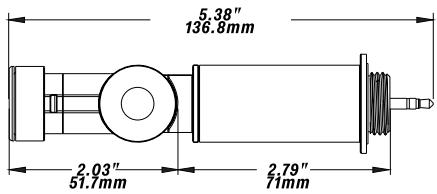
0.39"
9.8mm

1.18"
30mm

5.38"
136.8mm

2.03"
51.7mm

2.79"
71mm

1.63"
41.4mm

90°

90°

170°

Socket Mounting Dimensions		½ inch US standard knockout
Size	T.P.I - inch	Major Dia. - inch
R1/2	14	0.825

Dimensions - Accessories

Unit:inch/mm

WHBL1

1.04"
26.3mm

2.5"
63.5mm

2.5"
63.5mm

Coverage Side View

0'
10'
20'
30'
40'

40' 30' 20' 10' 0' 10' 20' 30' 40'

Coverage Top View

40'
20'
0'
20'
40'

40' 20' 0' 20' 40'
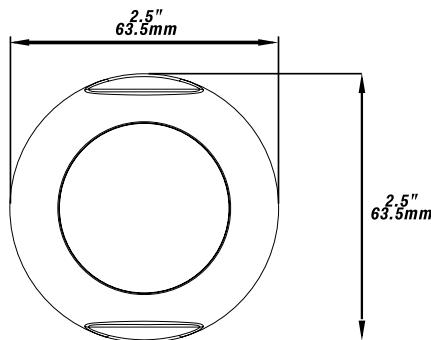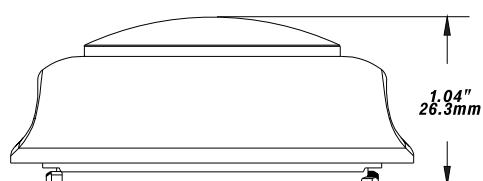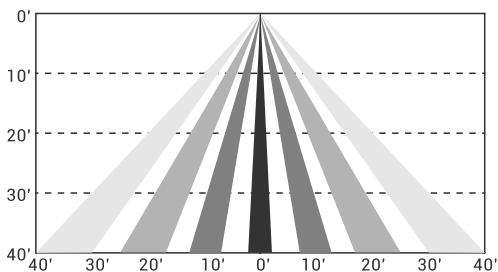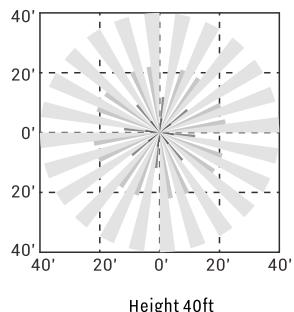
Height 40ft

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

Keilton +autani
External Low Voltage 3.5mm Audio Jack
High bay sensor
Input 12VDC, 50mA max, 0.6W.
Output 10VDC,
10mA max, 0.1W.
Wet locations.
Input/Output type:
Class2.
Output load type:
Specific load-0-10V
interface
Model# EFS106-AUX-W-KIT

c(UL)us
LISTED
E504054
LED CONTROLLER

FC Bluetooth®
FCC ID:2A2GYL7KTVTZ022

Install Guide

WARNING: Disconnect power before servicing.
Install in accordance with national and local electrical
codes. The control circuit is not isolated-
see instructions.

CE RoHS
COMPLIANT

Made in China
01-22

EFS106-AUX-W-KIT

App Download

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

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