

ECO-Sensor Family



IFS105E



IFS108E



MWS105E



IFS105HE



PRODUCT OVERVIEW

ECO-Sensor Family, Powered By BLE Fixture Adapter or BLE Driver

The ECO-Sensors are designed as Cost-effective Bluetooth Mesh control solution for OEM customers, combine occupancy sensing, daylight harvesting, 0-10V dimming into a mini size that fits into various luminaires.

Bluetooth System Features

- Bluetooth Mesh Technology** For Bluetooth enabled iOS or Android smartphone
- Flexible Grouping and Zoning:** Wirelessly group luminaires to act in sync with each other.
- Wireless Commissioning:** Convenient commission via smartphone or wireless Bluetooth wall switch, ON/OFF/DIM.
- Fixture Integrated:** The Bluetooth node/sensor is fixture-integrated, allow for faster installation and lower cost for luminaire manufacturers.
- Colour Tuning / CCT Selectable:** When work with colour tunable luminaires, Keilton support manually colour tuning and CCT selections.
- Scene Control:** Pre-set various colour and brightness for individual or group of luminaires under different scene buttons, arouse all settings with one button.
- Scheduling:** Schedule various scene in different time, repeat weekly.
- QR Code for Admin / Guest Control Authority:** The system will automatically generate Admin and Guest QR codes for each zone, by scanning the QR code, a second phone will copy all settings.
- PIR Occupancy Sensor:** Support setting delay time and dimming level for a group of sensors through APP, support unique sensor linkage reaction.
- Microwave Occupancy Sensor:** Support setting delay time and dimming level for a group of sensors through APP, support unique sensor linkage reaction.
- Daylight harvesting:** Ambient daylight sensor allows for continuous dimming with natural light, wireless calibration available.
- Linkage Brightness:** In a lighting group, when a sensor is triggered, it will become master, other members in the same group will become slaves, and turn on light at linkage brightness.

MODEL	DESCRIPTION
IFS105E	Fixture Integrated PIR & Daylight Harvesting Sensor
IFS108E	Fixture Integrated PIR & Daylight Harvesting Sensor
MWS105E	Fixture Integrated Microwave & Daylight Harvesting Sensor
IFS105HE	High Bay PIR & Daylight Harvesting Sensor

MODELS

IFS105E
IFS108E
MWS105E
IFS105HE

12V DC Use with FA102 BLE Fixture Adapter or BLE Driver

SPECIFICATIONS AND FEATURES

Input Voltage: 12V DC

Rated Current: 25mA

Detection Range: 48-80ft

Mounting Height:

IFS105E, 15ft
IFS108E, 15ft
MWS105E, 15ft
IFS105HE, 40ft

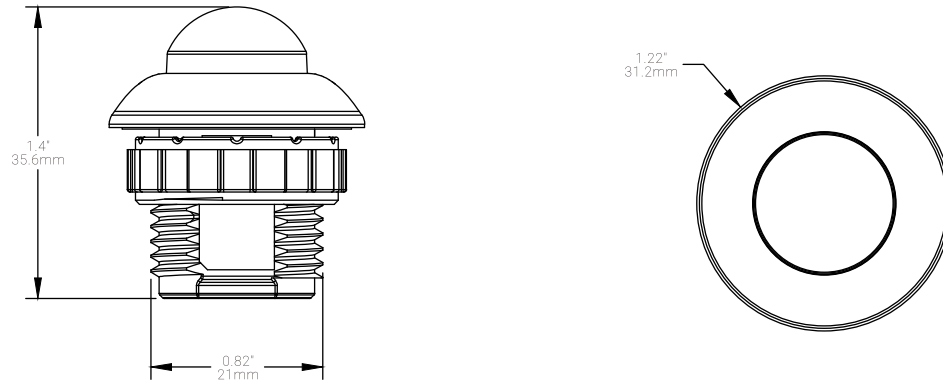
Detection Speed: 1-20ft./sec.
(0.3~3m/sec)

Op.temperature:-40 °F ~131 °F
Op. humidity: IP40

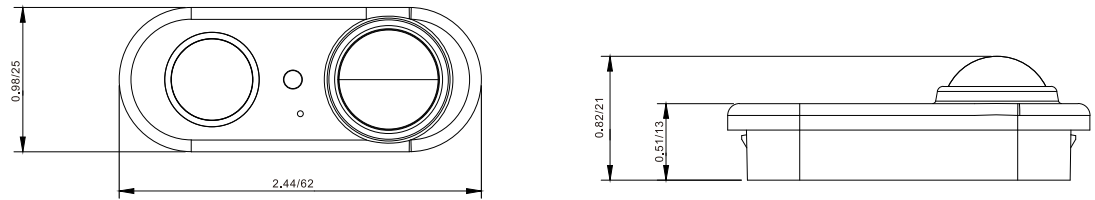


DIMENSIONS

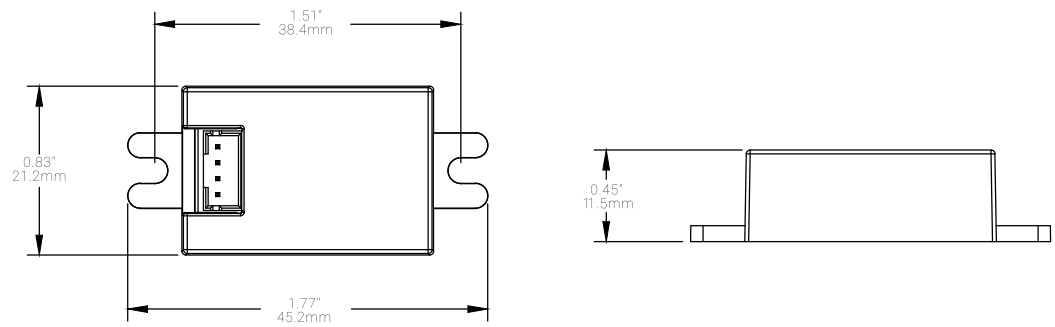
IFS105E



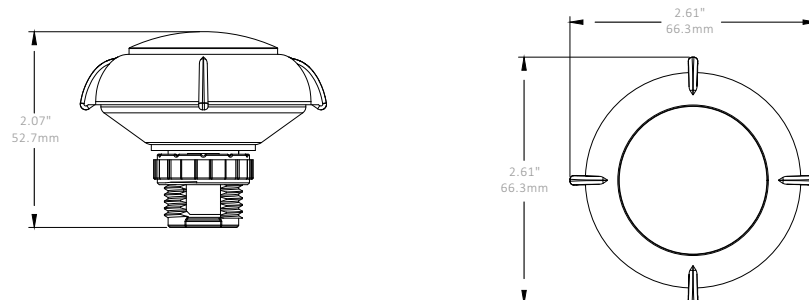
IFS108E



MWS105

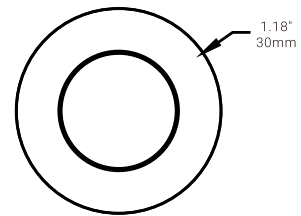
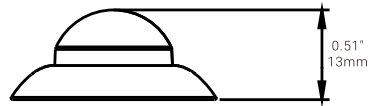
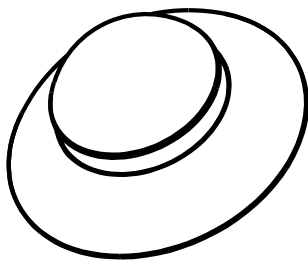


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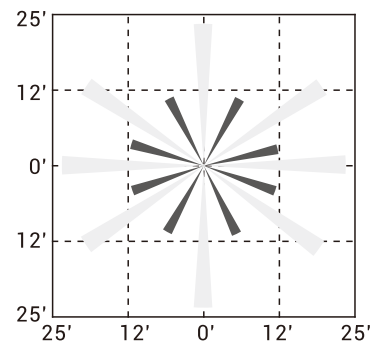
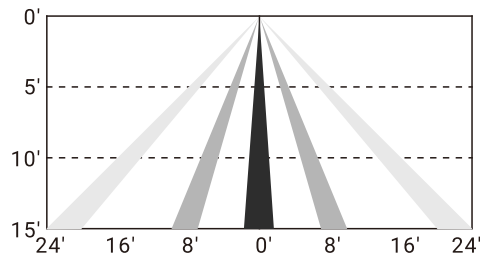
Lens Coverage

LBL1 lens

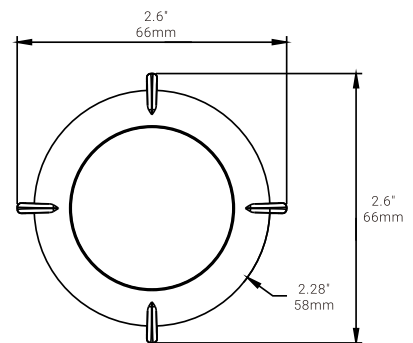
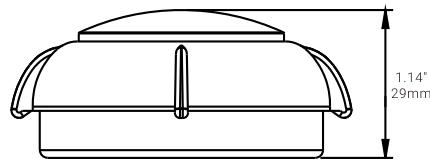
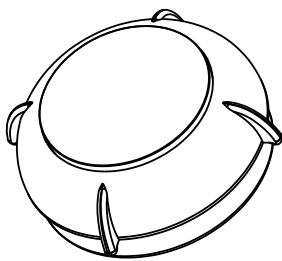


LBL1 Coverage Side View

LBL1 Coverage Top View

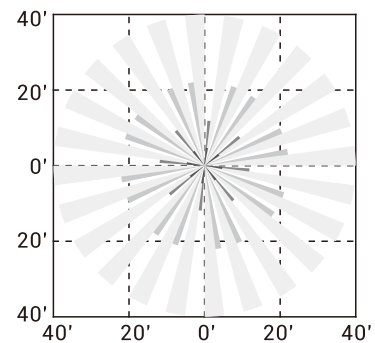
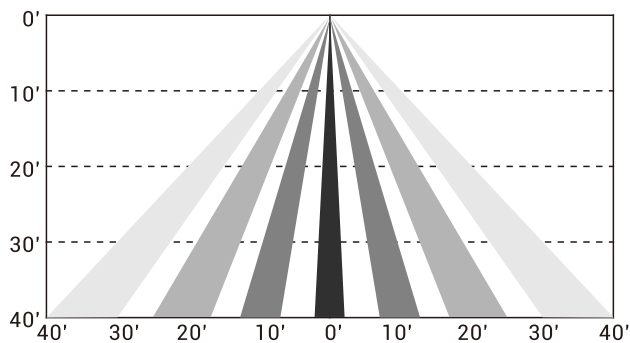


HBL1 lens



HBL1 Coverage Side View

HBL1 Coverage Top View



MWS105 Coverage

