

Project	
Date	
Prepared By	
Model #	

Specifications

Input Voltage:
12V DC

Detection Range:
48-80ft

Rated Current:
FA102: 42mA
FA102 IFS105E: 45mA
FA102 MWS105: 70mA

Detection Range:
IFS105E: 16ft
MWS105: 16ft

Dimming:
0-10V

Infrared sensor:
Omni-directional quad
element pyroelectric

Mounting Height:
15-40ft

Detectable speed:
1~10 ft/sec
(0.3~3 m/sec)

Operating Temp. Range:
-40 F (-40 C) to 131 F (55 C)

Operating Humidity:
IP40

Fixture Integrated Bluetooth Controller & Sensor



MODELS:

FA102
12V DC, use with 0-10V dim to off
LED driver

IFS105E
12V DC use with FA102

MWS105
12V DC use with FA102

PRODUCT OVERVIEW

FA102 Fixture Adapter

Bluetooth Mesh: Technology for Bluetooth enabled iOS or Android smartphone

Flexible Grouping and Zoning: Wireless group luminaries 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 of lighting manufacturers.

Color tuning/ Circadian Rhythms: When work with color tunable luminaries, EarthTronics support manually color tuning and automatically coincidence with circadian rhythms.

Scene Control: Pre-set various and brightness or individual or group of luminaries 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 or each one, by scanning the QR code, a second phone will copy all settings.

IFS105E - powered by FA102, PIR & Daylight Harvesting Sensor

PIR Occupancy Sensor: Support setting delay time and dimming level or a group of sensors through APP, support unique sensor linkage reaction.

Daylight Harvesting/ Photocell Threshold: Ambient daylight sensor allows or continuous dimming with natural light, wireless calibration available.

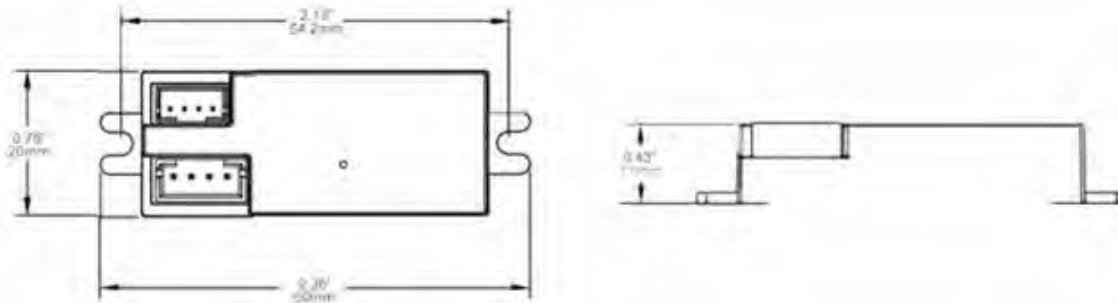
MWS105 - powered by FA102, Microwave & Daylight Harvesting Sensor

Microwave Occupancy Sensor: Support setting delay time and dimming level or a group of sensors through APP, support unique sensor linkage reaction.

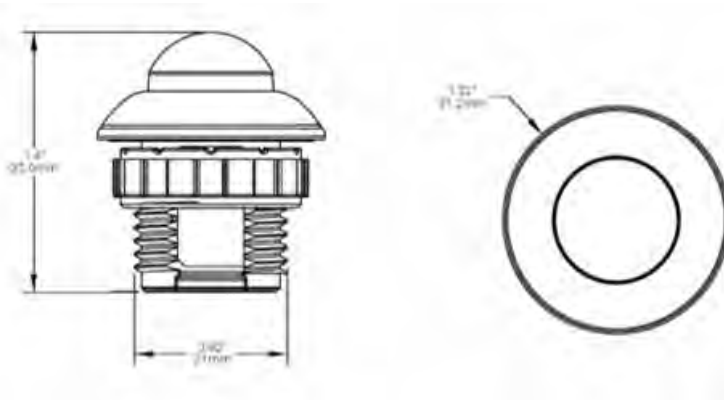
Daylight Harvesting/ Photocell Threshold: Ambient daylight sensor allows for continuous dimming with natural light, wireless calibration available.

PRODUCT DIMENSIONS

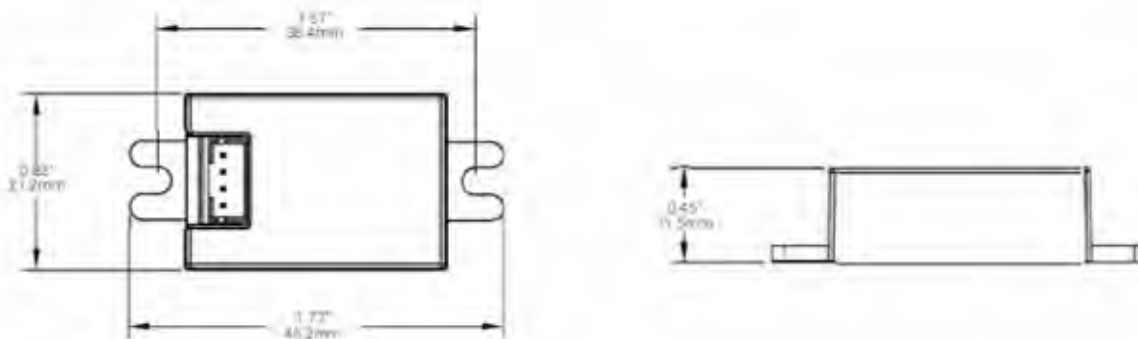
FA102



IFS105E



MWS105

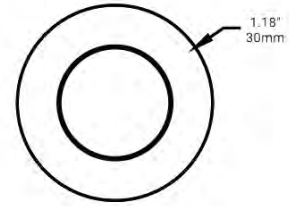
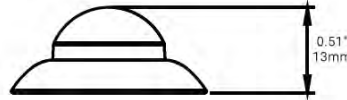
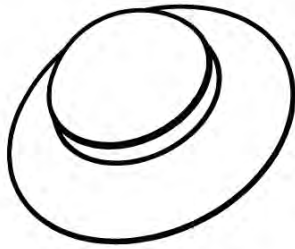


FOR MORE INFORMATION VISIT: [EARTHCONNECT](https://www.earthtronics.com/earthconnect/)

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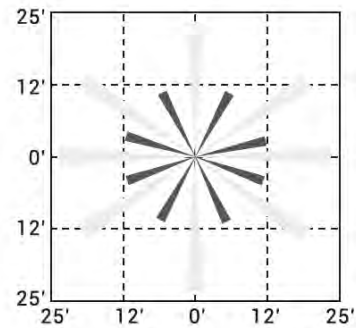
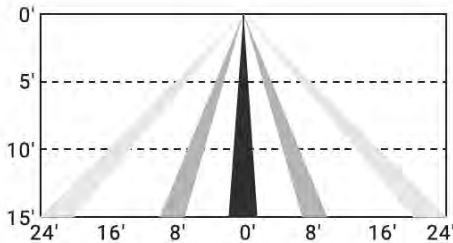
LENS COVERAGE

LBL1

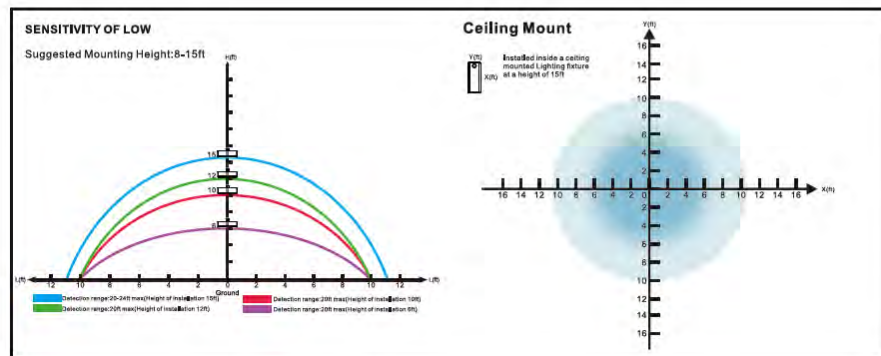
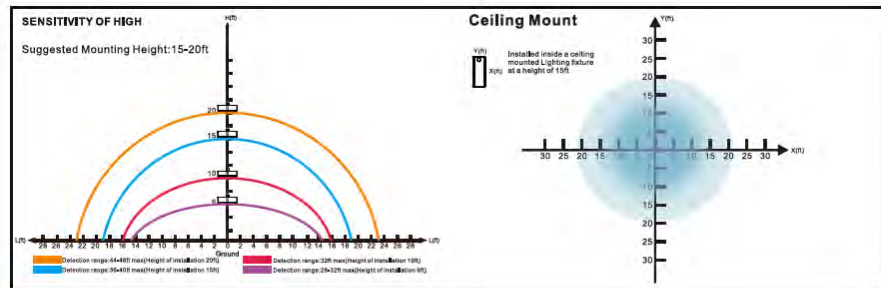


LBL1 Coverage Side View

LBL1 Coverage Top View



MWS105 Coverage



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