

# Fixture Adapter and Eco Sensor



## FEATURES

### FA102 Fixture Adapter

The Lumenativ FA102 series are designed for Luminaire Level Lighting Control (LLLC/NLC5) with sensor ready function. FA102 provides sensor port for Eco Sensor connection. FA102 has two SKU single channel and dual channel 0-10V output.

### Eco Sensor Family

Eco Sensor can not work alone, it has to be working with Lumenativ smart driver or FA102 fixture adapter. Eco Sensor combines PIR and Daylight Sensor into one.

### IFS105E/IFS108E - Powered by FA102 V2.0, PIR & Daylight Harvesting Sensor

PIR Occupancy Sensor: Support setting delay time and Bi-Level dimming of the sensors through APP.  
 Daylight Harvesting: daylight sensor allows for continuous dimming according to desired light level.

### IFS105HE - Powered by FA102 V2.0, PIR & Daylight Harvesting Sensor

IFS105HE is high bay Eco sensor, built-in amplify circuits with analog sensor can be used for high bay application with HBL1 lens.

### MWS105E - Powered by FA102 V1.0, Microwave Sensor

Microwave Occupancy Sensor: Support setting delay time and Bi-level dimming of sensors through APP. Sensitivity Adjustment available to 0-100%.

MODEL	DESCRIPTION
FA102V1.0	Fixture Adapter DC 12V Dual Channel 0-10V
FA102V2.0	Fixture Adapter DC 12V Dual Channel 0-10V
FA102V1.0 Single Channel	Fixture Adapter DC 12V Single Channel 0-10V
FA102V2.0 Single Channel	Fixture Adapter DC 12V Single Channel 0-10V
IFS105E	Powered by FA102 V2.0 or Smart LED Driver Fixture Integrated PIR & Daylight Harvesting Sensor for Low Bay Applications
IFS105HE	Powered by FA102 V2.0 or Smart LED Driver Fixture Integrated PIR & Daylight Harvesting Sensor for High Bay Applications
IFS108E	Powered by FA102 V2.0 or Smart LED Driver Fixture Integrated PIR & Daylight Harvesting Sensor for Low Bay Applications
MWS105E	Powered by FA102 V1.0 or Smart LED Driver Fixture Integrated Microwave & Sensitivity Adjustment Sensor for Low Bay Applications
CC30	2468 24AWG white 300V 80°C Length:300mm, PH2.0-4P on both side
CC60	2468 24AWG white 300V 80°C Length:600mm, PH2.0-4P on both side
CC120	2468 24AWG white 300V 80°C Length:1200mm, PH2.0-4P on both side
FC30	1007 22AWG white 300V 80°C Length:300mm, XH2.54-4P on left side, dip tin 10mm on right side
FC60	1007 22AWG white 300V 80°C Length:600mm, XH2.54-4P on left side, dip tin 10mm on right side

## SPECIFICATIONS

Input Voltage: DC 12V  
 Input Current: 45mA Max  
 Input Power: 0.5W  
 Output Voltage: DC 10V  
 Output Current: 10mA Max  
 Output Power: 0.1W  
 Dimming: Class 2, 0-10V DC 10mA Max  
 Sinking Current: 10mA Max

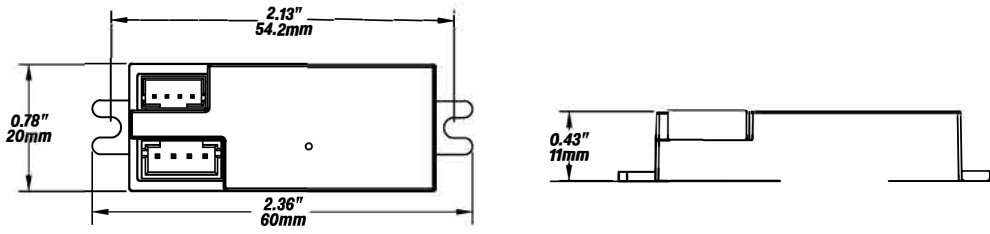
Bluetooth Transmit: 200ft Max  
 Radio Frequency: 2.4GHz ± 75MHz  
 Bluetooth Version: 4.2  
 Housing Material: UL 94-V0,  
 Indoor/Outdoor Use  
 Detection Range: 28-80ft  
 Mounting Height: 10-35ft  
 Operating Temperature: -30°C to 55°C,  
 -22°F to 131°F  
 Storage Temperature: -30°C to 85°C,  
 -22°F to 185°F  
 IP Rating: IFS105HE:IP66  
 FA102/MWS105E/IFS105E/IFS108E:IP20  
 Color: White  
 Warranty: 5 years warranty

Comply to UL8750, UL1376, RoHS  
 Safety: cULus Recognized Component  
 LED Controller E504054  
 FCC ID: 2A26YLTKTVT2021  
 DID: D057145  
 DLC: NLTRC5KL0TN

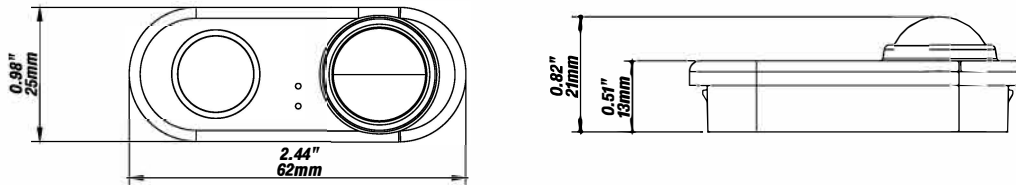
**DIMENSIONS**

Unit: inch/mm

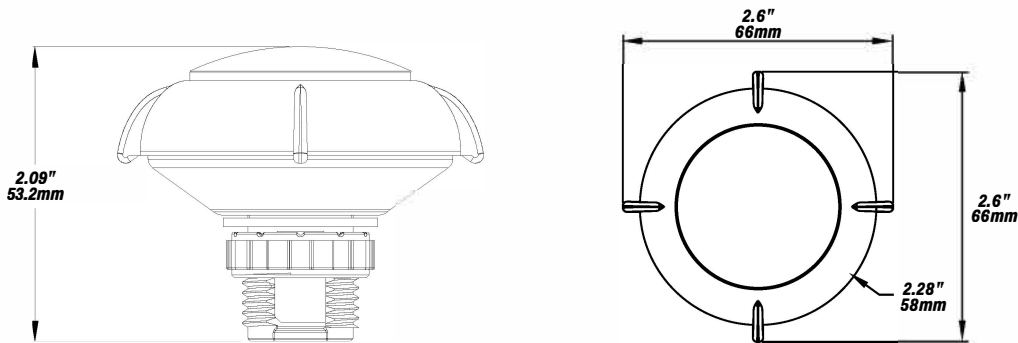
**FA102**



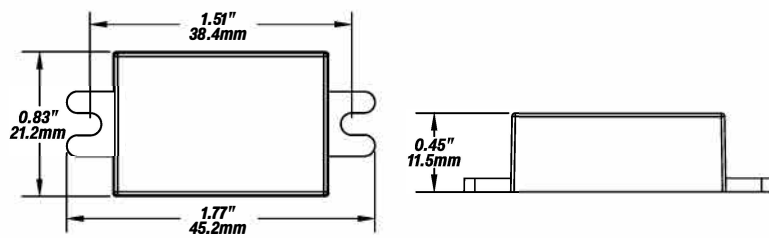
**IFS108E**



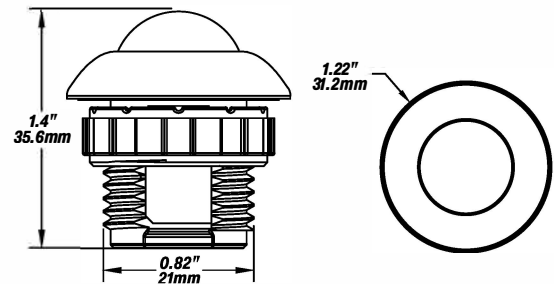
**IFS105HE**



**MWS105E**



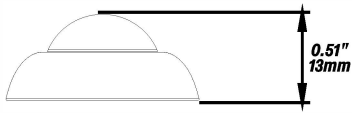
**IFS105E**



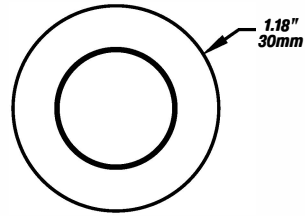
## DIMENSIONS

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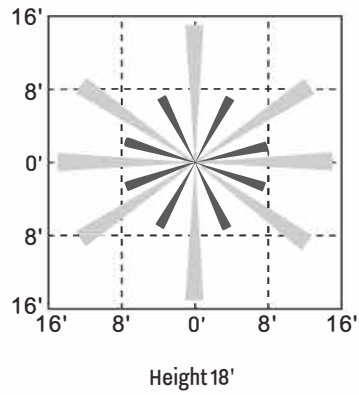
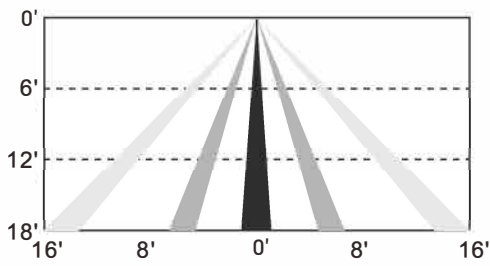
**LBL1**



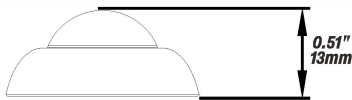
Coverage Side View



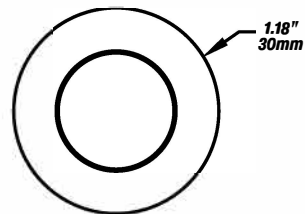
Coverage Top View



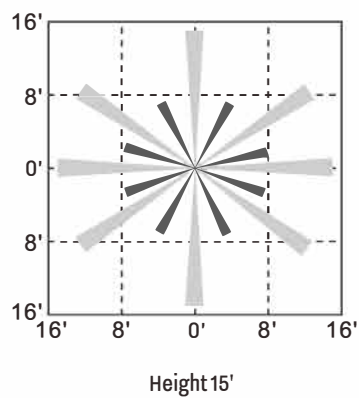
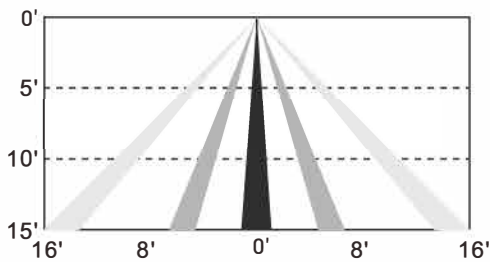
**LBL2**



Coverage Side View



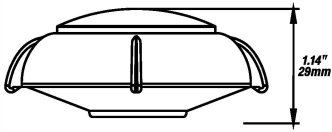
Coverage Top View



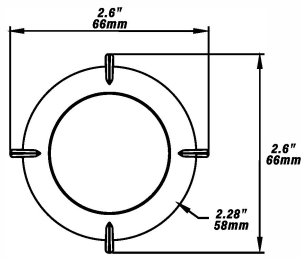
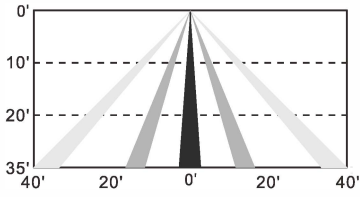
## DIMENSIONS

Unit: inch/mm

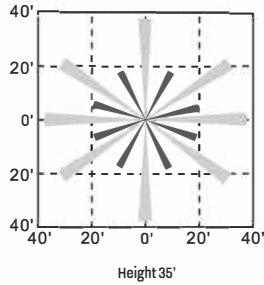
**HBL1**



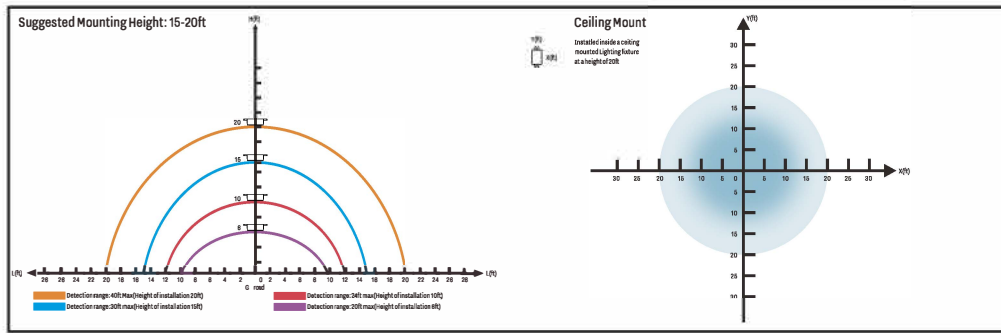
Coverage Side View



Coverage Top View

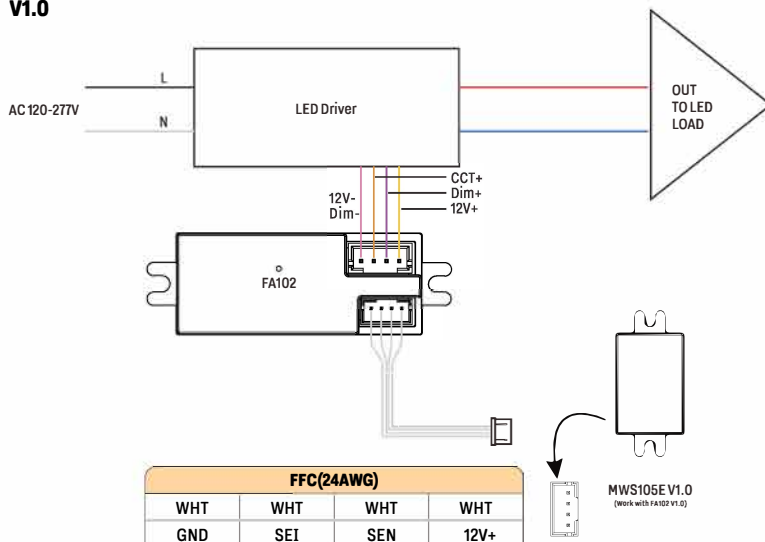


## COVERAGE



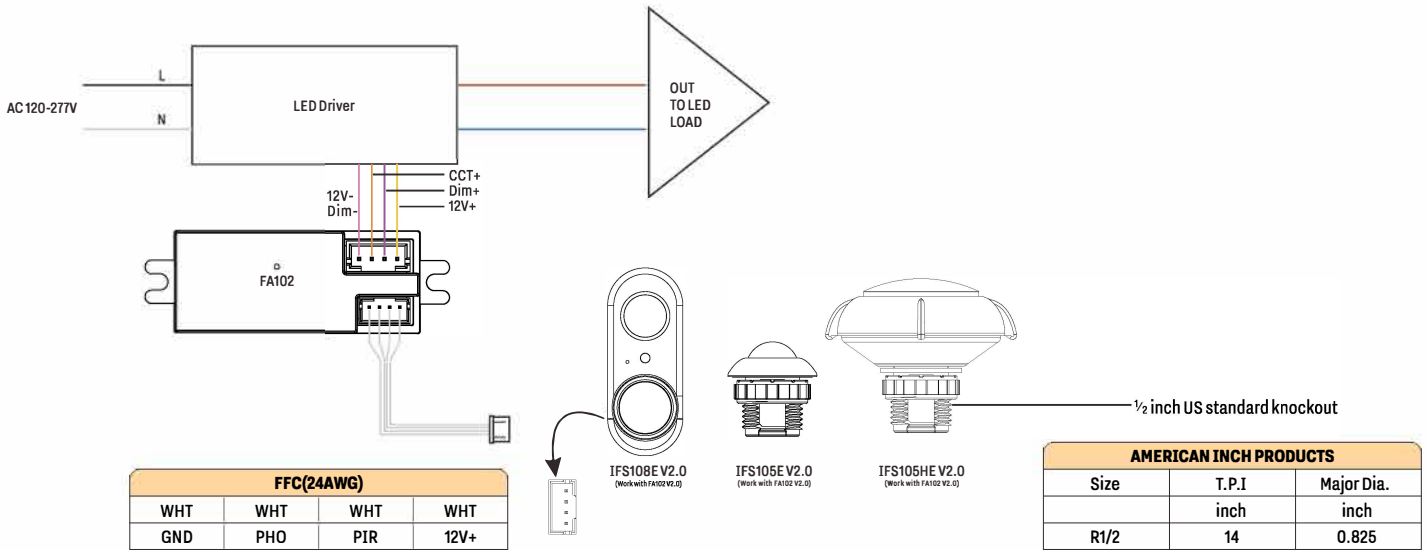
## WIRING

**V1.0**

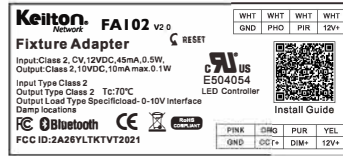
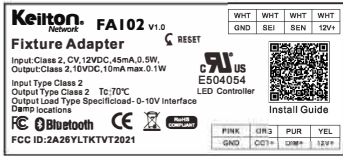


## WIRING

### V2.0



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