

Keilton + autani

IFS105SE Series Integrated Round 12V Sensor



IFS105SE

Description

The IFS105SE series Bluetooth sensor is a cutting-edge Luminaire Level Lighting Control (LLLC) solution that seamlessly integrates daylight harvesting and Passive Infrared (PIR) motion sensing technologies into a compact, easy-to-install package. Designed to transform standard luminaires into intelligent, energy-efficient lighting fixtures, the IFS105SE leverages the advanced **AlgoH²** algorithm to optimize occupancy detection accuracy across a wide range of applications while minimizing false-ON triggers. This sophisticated sensor enables precise daylight harvesting and motion sensing capabilities, resulting in significant energy savings, improved user comfort, and enhanced overall lighting performance.

Features

- 12VDC input
- Integrated wire leads (IFS105SE.A0)
- PIR sensor
- Daylight Harvesting
- Easy installation
- Advanced **AlgoH²** algorithm maximizes detection while minimizing false-ON triggers
- Includes LBL2 lens
- Integrated 4-pin socket. (IFS105SE.B2)
- Dual 0-10V available for color tuning (IFS105SE.B2)

Requirements

- Requires a dim-to-off LED driver with 12V Aux output

Specifications

Input Voltage	DC 12V
Output Current	10mA Max
Output Power	0.1W
Dimming	Class 2, 0-10V DC 10mA Max
Sinking Current	10mA Max
Bluetooth Transmit	100ft Max
Radio Frequency	2.4GHz ± 75MHz
Bluetooth Version	4.2/5.0
Housing Material	UL 94-5VA
Indoor/Outdoor Use	Indoor Use Only
Detection Range	40ft Max
Mounting Height	18ft Max
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	IP20
Color	White
Warranty	5 year warranty
Compliance	UL8750, UL1376, RoHS
Safety	cULus Listed LED Controller E504054 FCC ID: 2A26YLTKTVT2021 DID: D057145 DLC: NLTRC5KL0TN

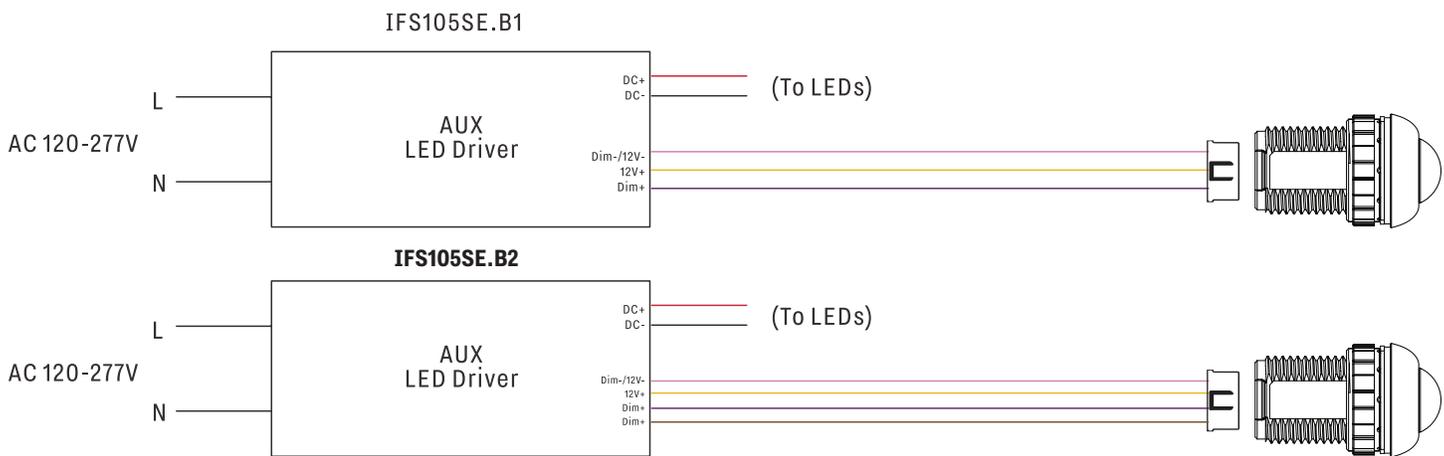
Ordering Information

Model	Description	Bluetooth Version
IFS105SE.B1	Integrated Round 12V Sensor, with 3-pin Socket	5.0
IFS105SE.B2	Integrated Round 12V Sensor Dual 0-10V, with 4-pin Socket	5.0

Ordering Information - Accessories

Model	Description
DC30	1007 22AWG purple , yellow, pink , orange wire, 300V 80°C Length: 300mm, PH2.0-4P on one side, 10mm tin on other side between LED driver and sensor
DC60	1007 22AWG purple , yellow, pink , orange wire, 600V 80°C Length: 600mm, PH2.0-4P on one side, 10mm tin on other side between LED driver and sensor
DC120	1007 22AWG purple , yellow, pink , orange wire, 300V 80°C Length: 1200mm, PH2.0-4P on one side, 10mm tin on other side between LED driver and sensor
RC02	Ceiling Trim Ring

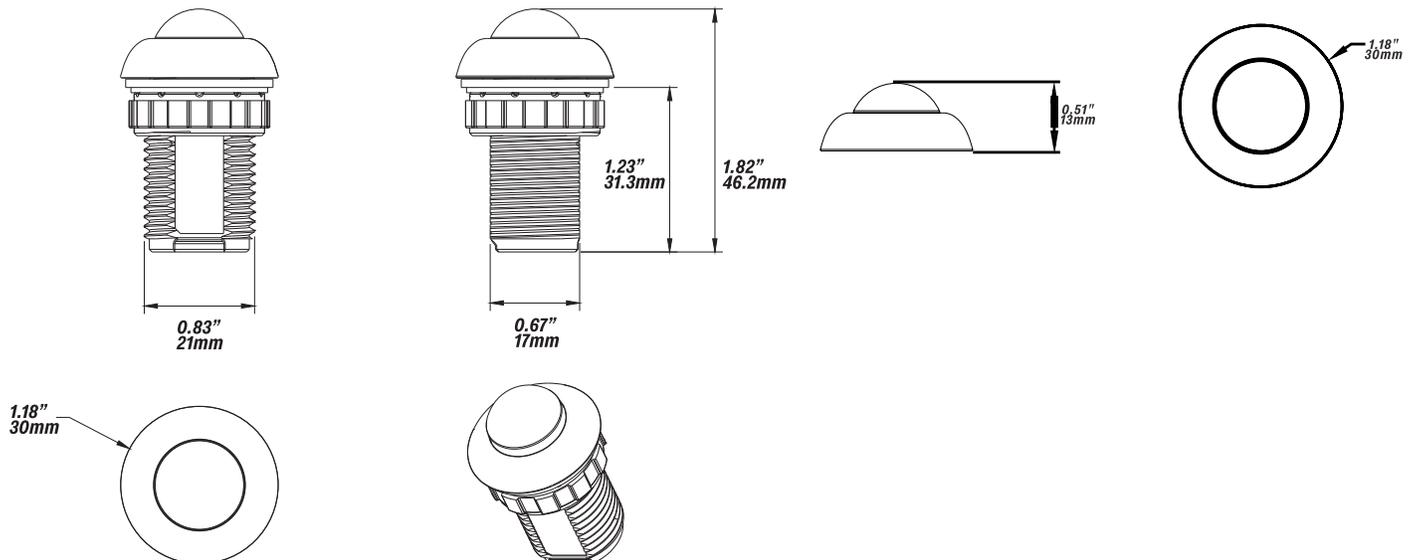
Wiring



Dimensions

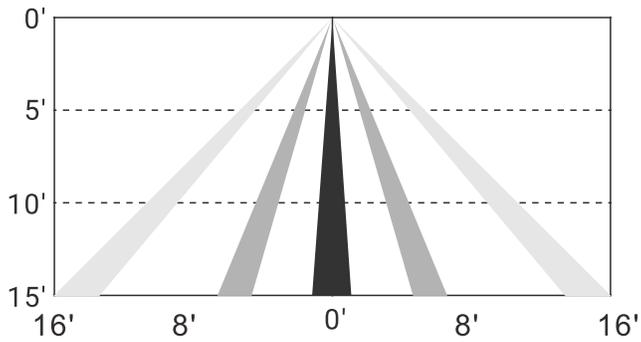
Unit: inch/mm

LBL2

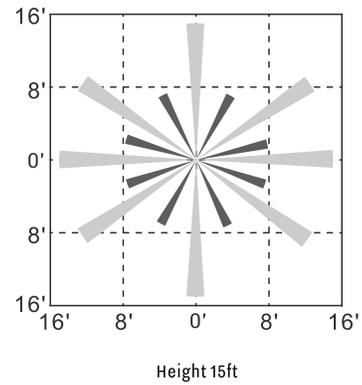


Dimensions

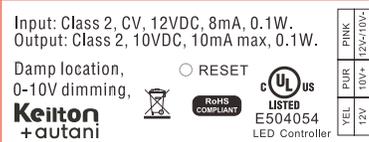
Coverage Side View



Coverage Top View



Product Label



App Download



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

Contact Us

7001 Columbia Gateway Drive, Suite 210, Columbia, MD 21046, USA

T: +1 443-320-2233 (M-F 9am-5pm ET)

E: support@autani.com