

Keilton + autani

IFS108 Series

Integrated Oval 12V Panel Sensor



IFS108.B1/B2/C1

Description

The Keilton+autani IFS108 series is a low-voltage sensor engineered for seamless luminaire integration, enabling Luminaire Level Lighting Control (LLLC) functionality for panel, troffer, strip, wrap, and select architectural lighting fixtures. This compact unit combines daylight harvesting and passive infrared (PIR) occupancy sensing to transform luminaires into intelligent lighting solutions. Featuring the proprietary **AlgoH²** algorithm, the IFS108 optimizes detection accuracy while mitigating false triggers in diverse application environments.

Features

- Integrated Bluetooth connectivity
- PWM dimming available (IFS108.C1)
- Daylight Harvesting + PIR analog sensing technology with **AlgoH²** algorithm
- Low-profile linear design with minimal height above luminaire
- 4-pin design enables color-tuning

Requirements

- Installation requires a customized mounting hole created using specialized tooling
- DC sensor cable required (not included)
- Dim-to-off LED driver with a 12VDC output

Specifications

Input Voltage	DC 12V
Input Current	25mA Max
Input Power	0.3W
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	5.0
Housing Material	UL 94-5VA
Detection Range	40ft Max
Mounting Height	18ft Max
Indoor/Outdoor Use	Indoor Use Only
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 Recognized Component LED Controller E504054 FCC ID: 2A26YLTKVT2021 DID: D057145 DLC: NLTRC5KLOTN

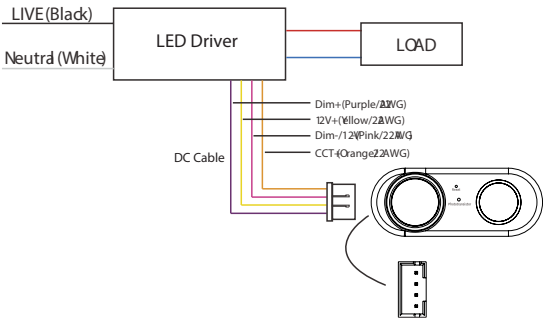
Ordering Information

Model	Description
IFS108.B1	Integrated Oval 12V Panel Sensor, Dual 0-10V, Daylight Harvesting, PIR, 5.0 BLE
IFS108.B2	Integrated Oval 12V Panel Sensor, 0-10V, Daylight Harvesting, PIR, 5.0 BLE
IFS108.C1	Integrated Oval 12V Panel Sensor, 0-10V+PWM Dimming Daylight Harvesting, PIR, 5.0 BLE

Ordering Information - Accessories

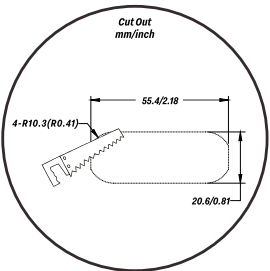
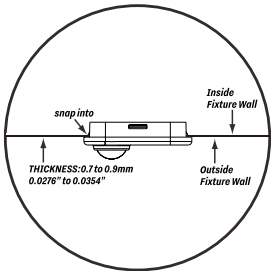
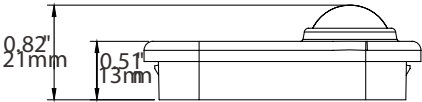
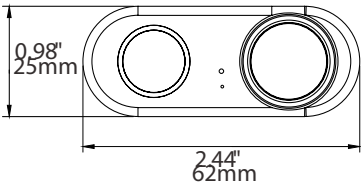
Model	Description
DC30	1007 22AWG 300V 80°C Length: 300mm, PH2.0-4P on left side, dip tin 10mm on right side
DC60	1007 22AWG 300V 80°C Length: 600mm, PH2.0-4P on left side, dip tin 10mm on right side
DC120	1007 22AWG 300V 80°C Length: 1200mm, PH2.0-4P on left side, dip tin 10mm on right side

Wiring



Dimensions

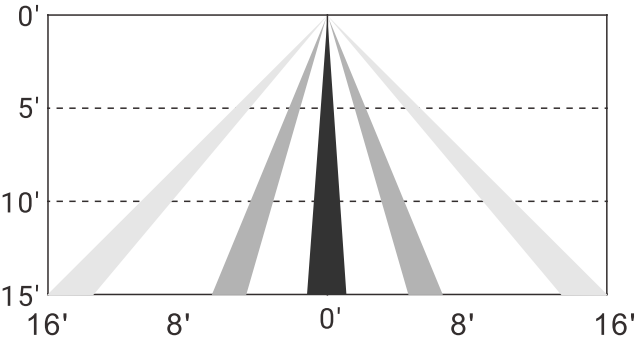
Unit: inch/mm



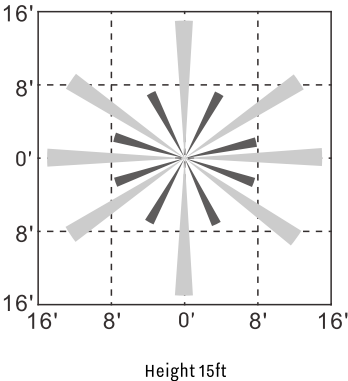
Coverage Patterns



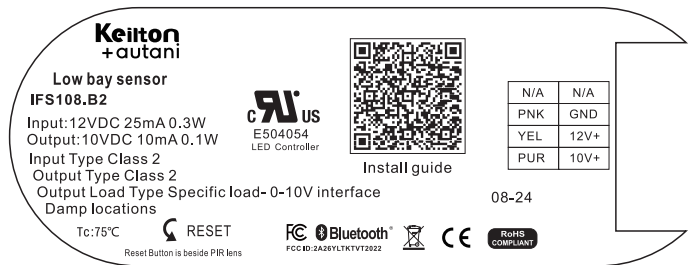
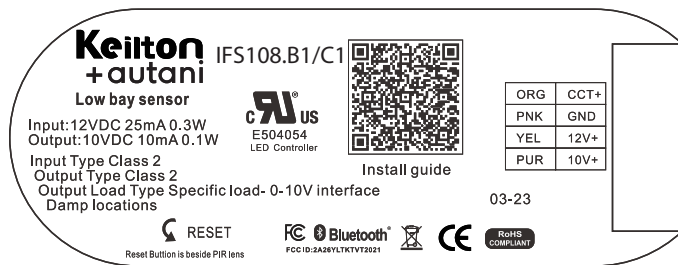
Coverage Side View



Coverage Top View



Marketing



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

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