

# Keilton + autani

## IFS108 Series

Integrated Oval 12V Panel Sensor



IFS108.B1/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 AlgoH™ 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 **AlgoH™** 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

<b>Input Voltage</b>	DC 12V
<b>Input Current</b>	25mA Max
<b>Input Power</b>	0.3W
<b>Output Current</b>	10mA Max
<b>Output Power</b>	0.1W
<b>Dimming</b>	Class 2, 0-10V DC 10mA Max
<b>Sinking Current</b>	10mA Max
<b>Bluetooth Transmit</b>	100ft Max
<b>Radio Frequency</b>	2.4GHz ± 75MHz
<b>Bluetooth Version</b>	5.0
<b>Housing Material</b>	UL 94-5VA
<b>Detection Range</b>	40ft Max
<b>Mounting Height</b>	18ft Max
<b>Indoor/Outdoor Use</b>	Indoor Use Only
<b>Operating Temperature</b>	-30°C to 55°C, -22°F to 131°F
<b>Storage Temperature</b>	-30°C to 85°C, -22°F to 185°F
<b>IP Rating</b>	IP20
<b>Color</b>	White
<b>Warranty</b>	5 year warranty
<b>Compliance</b>	UL8750, UL1376, RoHS
<b>Safety</b>	cULus Recognized Component LED Controller E504054 FCC ID: 2A26YLTKTVT2021 DID: D057145 DLC: NLTRC5KLOTN

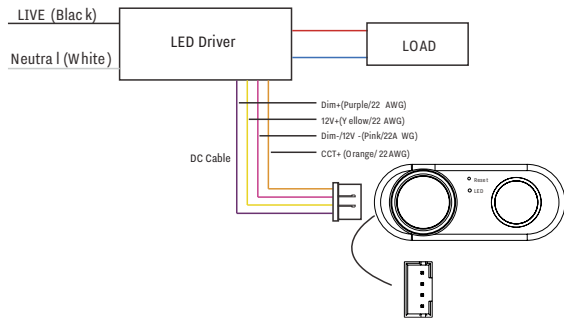
### Ordering Information

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

## Ordering Information - Accessories

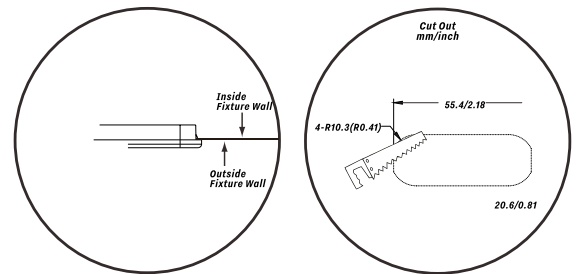
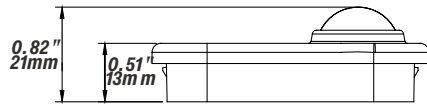
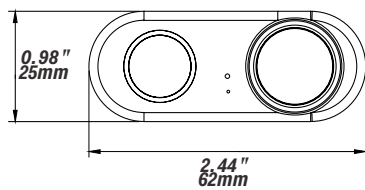
Model	Description
DC30	1007 22AWG 300V 80°C Length: 300mm, PH2.0-4P on left side, dip tin 10mm on right side
DC60	1007 22AWG 300V 80°C Length: 600mm, PH2.0-4P on left side, dip tin 10mm on right side
DC120	1007 22AWG 300V 80°C Length: 1200mm, PH2.0-4P on left side, dip tin 10mm on right side

## Wiring



## Dimensions

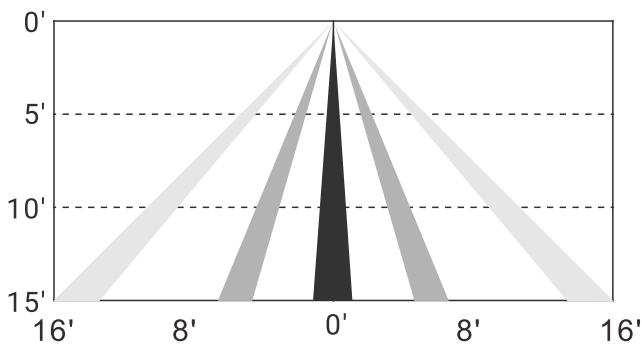
Unit: inch/mm



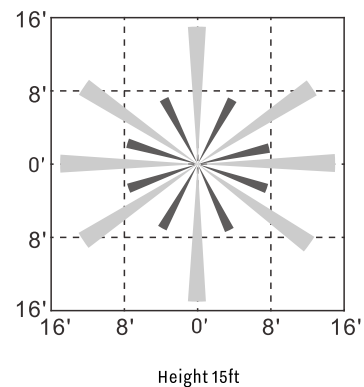
## Coverage Patterns



Coverage Side View



Coverage Top View




## Marketing

**Keilton  
+ autani** IFS108.B1/C1  
**Low bay sensor**

Input: 12VDC 25mA 0.3W  
Output: 10VDC 10mA 0.1W

Input Type Class 2  
Output Type Class 2  
Output Load Type Specific load- 0-10V interface  
Damp locations

**CALUS**  
E504054  
LED Controller



Install guide

ORG	CCT+
PNK	GND
YEL	12V+
PUR	10V+

03-23

RESET  
Reset Button is beside PIR lens

FCC Bluetooth  
FCC ID: 2A29VLTXTV22021

CE

RoHS  
COMPLIANT

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## App Download



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

## Contact Us

7090 Columbia Gateway Drive, Columbia, MD 21046, USA

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

E: support@autani.com