

JLS-LLE-IFS108 SERIES PANEL SENSOR

JAYKAL

PROJECT NAME:

JAYKAL LED SOLUTIONS, INC.

www.jaykal.net

PROJECT NOTES:

21499 Baltimore Ave.

Georgetown, DE 19947

(P) 302-295-0015

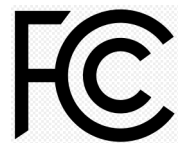
(F) 302-295-0016

PRODUCT DESCRIPTION

The LumaLinx 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 (JLS-LLE-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



Revised 9/12/24

Specifications are typical values and may change without notification

efficiency. illuminated.

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SPECIFICATIONS TABLE

JLS-LLE-IFS108 SERIES

INPUT VOLTAGE	12VDC
INPUT CURRENT	25mA Max.
INPUT POWER	0.3W
OUTPUT CURRENT	10mA Max
OUTPUT POWER	0.1W
DIMMING	Class 2, 0-10V DC 10mA Max
SINK 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 Years
COMPLIANCE	UL8750, UL1376, RoHS

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

Ordering Guide

MODEL	CCT
JLS-LLE-IFS108.B1	Integrated Oval 12V Panel Sensor, Dual 0-10V, Daylight Harvesting, PIR, 5.0 BLE
JLS-LLE-IFS108.C1	Integrated Oval 12V Panel Sensor, 0-10V+PWM Dimming Daylight Harvesting, PIR, 5.0 BLE

Accessories Ordering Guide

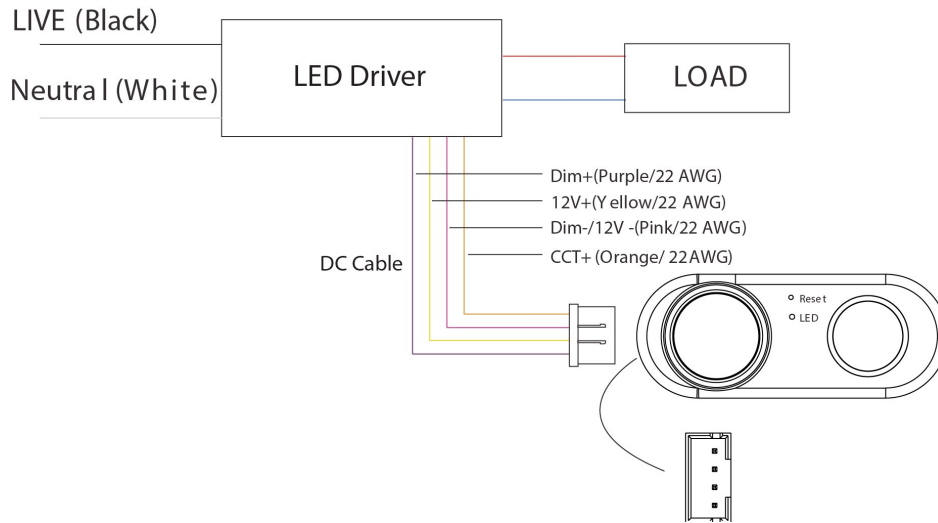
MODEL	CCT
JLS-LLE-DC30	1007 22AWG 300V 80°C Length: 300mm, PH2.0-4P on left side, dip tin 10mm on right side
JLS-LLE-DC60	1007 22AWG 300V 80°C Length: 600mm, PH2.0-4P on left side, dip tin 10mm on right side
JLS-LLE-DC120	1007 22AWG 300V 80°C Length: 1200mm, PH2.0-4P on left side, dip tin 10mm on right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

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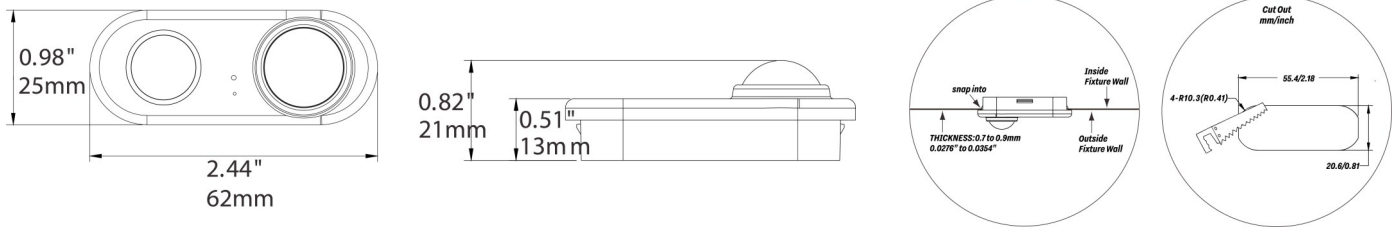
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WIRING



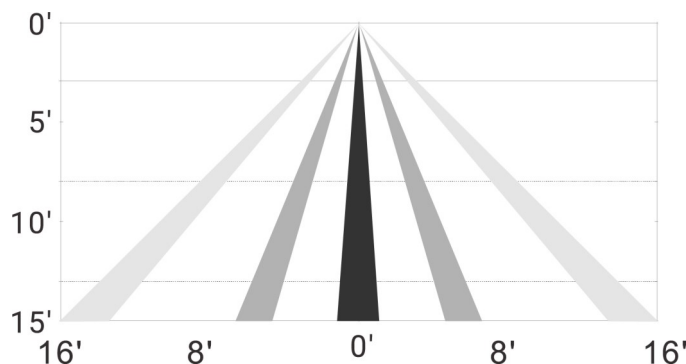
DIMENSIONS



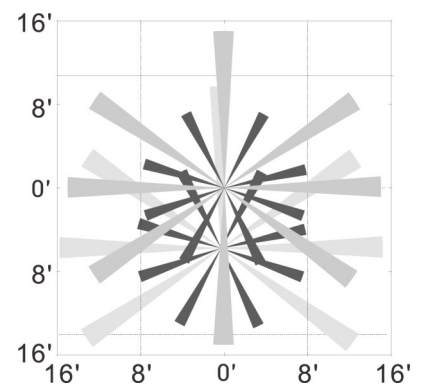
COVERAGE PATTERNS



Coverage Side View



Coverage Top View



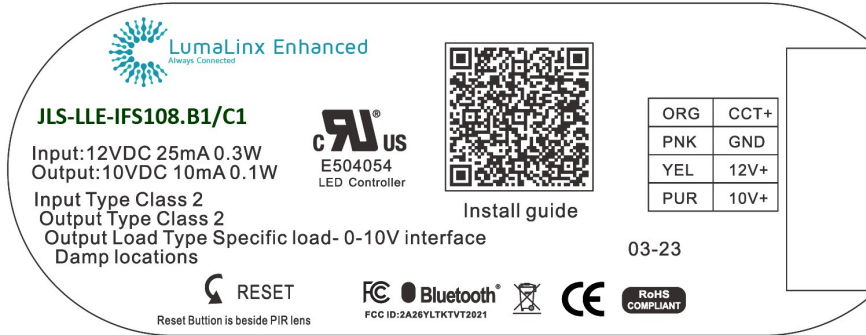
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MARKETING




JLS-LLE-IFS108.B1/C1

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

RESET
Reset Button is beside PIR lens

RECYCLED **US**
E504054
LED Controller



Install guide

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

03-23

FC **Bluetooth** **CE** **RoHS COMPLIANT**
FCC ID: ZA267LTKTVT2021

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APP DOWNLOAD



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