

## JLS-LLE-IFS105SE SERIES MINI SENSOR

**JAYKAL**

PROJECT NAME:

**JAYKAL LED SOLUTIONS, INC.**

[www.jaykal.net](http://www.jaykal.net)

PROJECT NOTES:

21499 Baltimore Ave.

Georgetown, DE 19947

(P) 302-295-0015

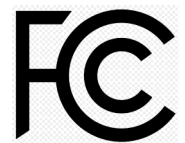
(F) 302-295-0016

### PRODUCT DESCRIPTION

The JLS-LLE-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 JLS-LLE-IFS105SE leverages the advanced **AlgoH<sup>2</sup>** 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
- PIR sensor
- Daylight Harvesting
- Easy installation
- Advanced **AlgoH<sup>2</sup>** algorithm maximizes detection while minimizing false-ON triggers
- Includes LBL2 lens



Revised 11/12/24

*Specifications are typical values and may change without notification*

**efficiency. illuminated.**

## JLS-LLE-IFS105SE SERIES MINI SENSOR

**JAYKAL**

### SPECIFICATIONS TABLE

#### JLS-LLE-IFS105SE SERIES

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

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

## Ordering Guide

MODEL	DESCRIPTION	
JLS-LLE-IFS105SE.A0	Integrated Round 12V Sensor	4.2
JLS-LLE-IFS105SE.B1	Integrated Round 12V Sensor	5.0
JLS-LLE-IFS105SE.B2	Integrated Round 12V Sensor Dual 0-10V	5.0

## Accessory Ordering Guide

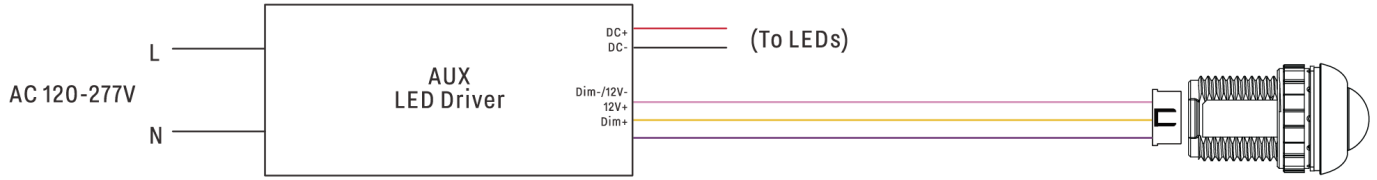
MODEL	DESCRIPTION
JLS-LLE-DC30	1007 22AWG purple , yellow, pink , orange wire, 300V 80°C Length: 300mm, PH2.0-4P on one side, 10mm tin on other side between LED driver and sensor
JLS-LLE-DC60	1007 22AWG purple , yellow, pink , orange wire, 600V 80°C Length: 600mm, PH2.0-4P on one side, 10mm tin on other side between LED driver and sensor
JLS-LLE-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

*Specifications are typical values and may change without notification*

**efficiency. illuminated.**

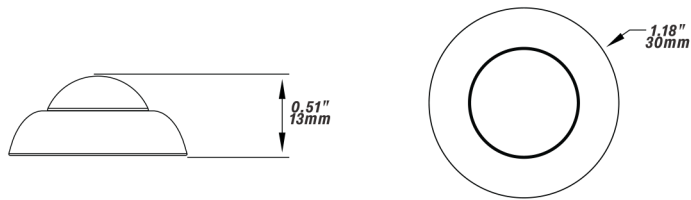
**JLS-LLE-IFS105SE SERIES MINI SENSOR** **JAYKAL**

**WIRING**

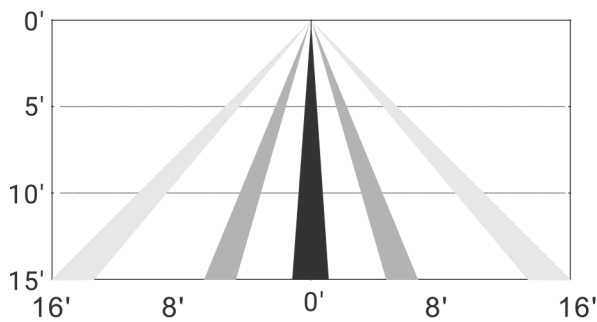


**DIMENSIONS**

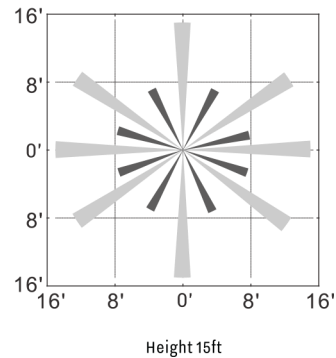
**LBL2**



**Coverage Side View**



**Coverage Top View**



**APP DOWNLOAD**



*Specifications are typical values and may change without notification*

**efficiency. illuminated.**