

## JLS-ESS-IFS06R-AUX 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 JLS-ESS-IFS06R-AUX is a PIR sensor with an integrated photocell and 2.5mm male audio connector, enabling easy plug-and-play integration for Luminaire Level Lighting Control (LLLC). A compact oval-shaped design allows the JLS-ESS-IFS06R-AUX to fit in various styles of luminaires.

### FEATURES

- Suitable for low profile luminaires
- Easy plug-and-play integration for Luminaire Level Lighting Control (LLLC)
- Operates on 12V DC supplied by a 0-10V dim-to-off LED driver
- Selectable modes for various applications via the JLS-ESS-RM51 remote controller
- Integrated photocell enables dusk-to-dawn operation independent of motion detection
- Auto-calibrates in Daylight Harvesting mode to reach target illumination by measuring combined natural and electric light



Revised 3/24/25

*Specifications are typical values and may change without notification*

**efficiency. illuminated.**

## JLS-ESS-IFS06R-AUX PANEL SENSOR

**JAYKAL**

### SPECIFICATIONS TABLE

#### JLS-ESS-IFS06R-AUX

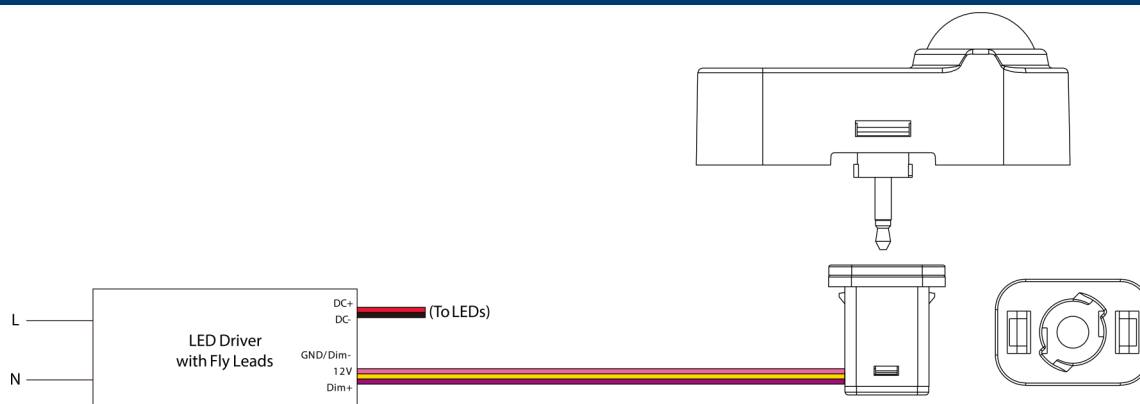
INPUT VOLTAGE	12VDC $\pm$ 1V
INPUT CURRENT	9mA Max
INPUT POWER	<0.1W
SINKING CURRENT	$\leq$ 10mA
DIMMING	Class 2, 0-10V DC 10mA Max
SINKING CURRENT	10mA Max
HOUSING MATERIAL	UL 94-5VA
INDOOR/OUTDOOR USE	Indoor Use Only
OPERATING TEMPERATURE	-30°C to 65°C, -22°F to 149°F
STORAGE TEMPERATURE	-30°C to 85°C, -22°F to 185°F
IP RATING	IP20
COLOR	White
WARRANTY	5 Years
COMPLIANCE	UL8750, RoHS
SAFETY	cULus Listed E504054 Low Bay Sensor

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

## Ordering Guide

MODEL	Description
JLS-ESS-IFS06R.B1	Panel Sensor-2.5mm Audio Jack Base
JLS-ESS-LBL2	Low bay lens, Mount Height 15ft Max, coverage 32ft Max, For Minor Movement

### WIRING



*Specifications are typical values and may change without notification*

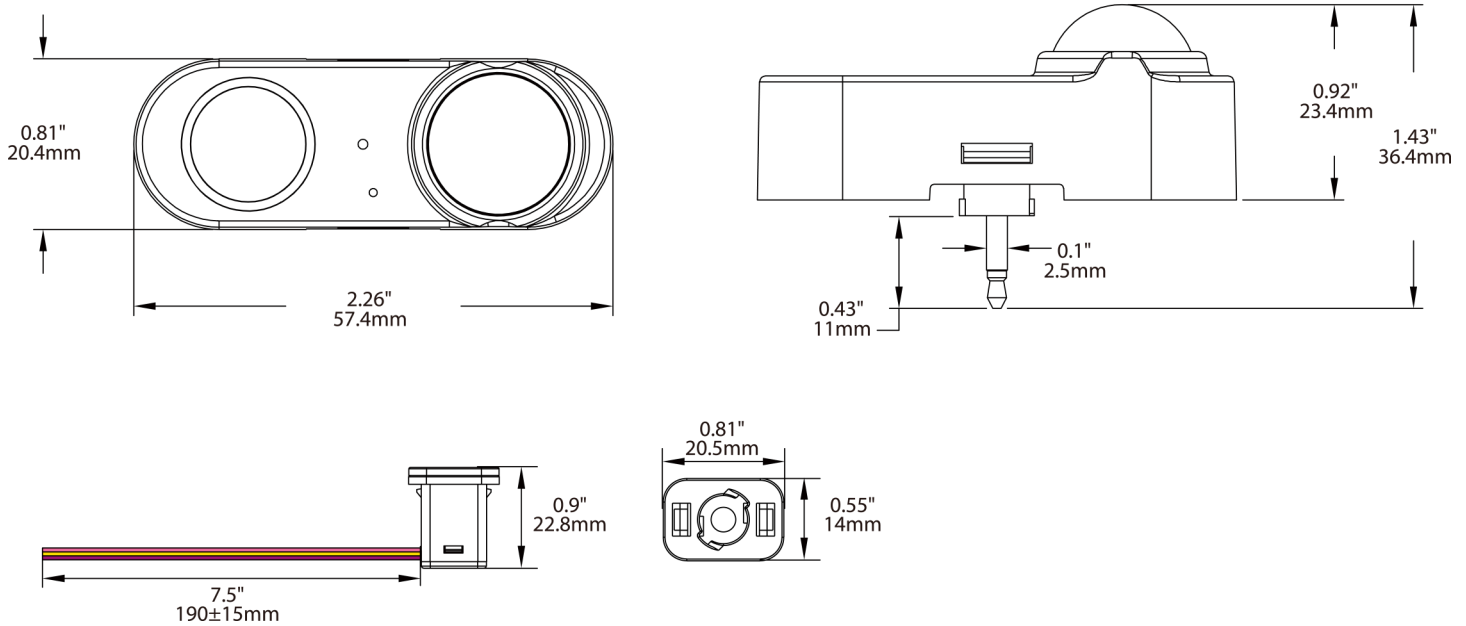
**efficiency. illuminated.**

## JLS-ESS-IFS06R-AUX PANEL SENSOR

**JAYKAL**

### DIMENSIONS

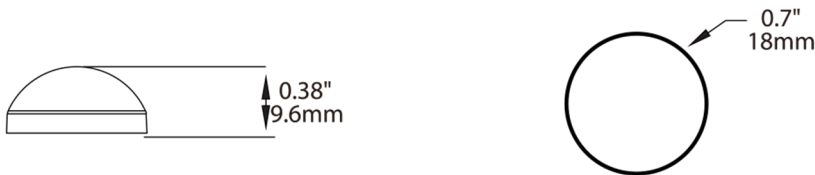
Unit: inch/mm



### COVERAGE

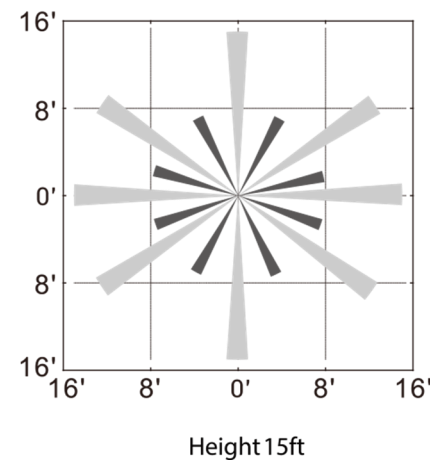
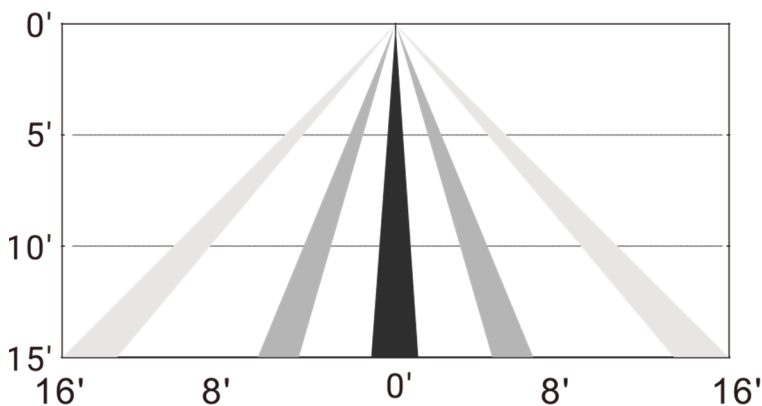
Unit: inch/mm

**JLS-ESS-LBL2**



Coverage Side View

Coverage Top View



*Specifications are typical values and may change without notification*

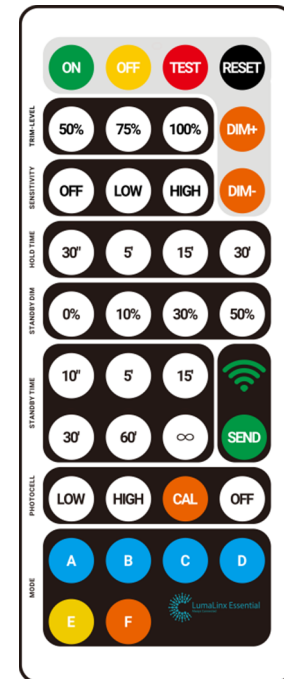
**efficiency. illuminated.**

## JLS-ESS-IFS06R-AUX PANEL SENSOR

**JAYKAL**

### REMOTE GUIDE

ON	Turns ON luminaires.
OFF	Turns OFF luminaires.
TEST	Test mode will last 5 minutes, then return to the previous setting. In test mode, the hold time is 2 seconds, SDL is 50% and the standby time is 2 seconds.
RESET	Trim-High = 100%, Sensitivity = High, T1 = 5 min, Standby Dim = 30% T2 = 60 min, Photocell = OFF.
DIM+/-	Remote will manually dim the luminaire up or down in increments of 0.5 volts. Smooth dimming should occur when holding the dimming button.
TRIM-LEVEL	Set maximum threshold value at 50% 75% or 100%.
SENSITIVITY	OFF (PIR OFF, Enter PC ON/OFF function) / LOW (50%) / HIGH (100%).
HOLDTIME	Time of no occupancy after which the fixture goes to standby: 30s / 5 min / 15 min / 30 min.
FMODE DAYLIGHT HARVESTING	(Enable/Disable) Measures and sets a feature to allow the fixture to maintain a light level when turned ON.
STANDBY DIM	Select any standby dim level: 0% / 10% / 30% / 50%
STANDBY TIME	10s / 5 min / 15 min / 30 min / 1h / ∞. "∞" means the standby time is infinite, and the fixture is effectively controlled by the daylight sensor.
PHOTOCELL	LOW (1fc) / HIGH (50fc) / CAL (Collects the current Lux Level) ON.
MODE	Set settings to a program profile (A to F).
SEND	Send settings to the sensor.
DEFAULT MODE A	Trim-High = 100% Sensitivity = Low, T1 = 30 min, Standby Dim = 50% T2 = ∞, Photocell = CAL.
DEFAULT MODE B	Trim-High = 100% Sensitivity = Low, T1 = 30 min, Standby Dim = 50% T2 = 15 min, Photocell = CAL.
DEFAULT MODE C	Trim-High = 100% Sensitivity = Low, T1 = 30 min, Standby Dim = 50% T2 = 15 min, Photocell = OFF.
DEFAULT MODE D	Trim-Low = 50% Sensitivity = Low, T1 = 30 min, Standby Dim = 50% T2 = 30 min, Photocell = CAL.
DEFAULT MODE E	Manual Mode, Trim-High = 100%
DEFAULT MODE F	Daylight Harvesting, Trim-Low = 50% Sensitivity = Low, T1 = 15 min.



*Specifications are typical values and may change without notification*

**efficiency. illuminated.**