

## JLS-LLE-EFS106 SERIES HIGH BAY SENSOR

**JAYKAL**

PROJECT NAME:

**JAYKAL LED SOLUTIONS, INC.**

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

PROJECT NOTES:

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### PRODUCT DESCRIPTION

JLS-LLE-EFS106 low voltage high bay sensors are ideal for Luminaire Level Lighting Control (LLLC/NLC5) applications. Featuring integrated daylight harvesting and PIR motion sensors, the JLS-LLE-EFS106 sensors are designed for pre-installation in linear high bay or UFO high bay luminaires. JLS-LLE-EFS106 sensors are equipped with the **AlgoH<sup>2</sup>** algorithm to maximize detection for high bay applications up to 40 ft without false triggers.

### FEATURES

- Plug and Play with sensor port pre-installed
- Bluetooth network technology
- Designed for High Bay applications
- **AlgoH<sup>2</sup>** algorithm enhances performance in high bay applications
- Built-in analog PIR sensor
- Replaceable lens options
- 12V DC input
- Daylight harvesting available



Revised 11/12/24

*Specifications are typical values and may change without notification*

**efficiency. illuminated.**

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### REQUIREMENTS

- Lens sold separately
- Requires Dim-to-Off LED drivers with 12V AUX output
- Requires one of the BH4/SC01/Zhaga receptacles

### SPECIFICATIONS TABLE

#### JLS-LLE-EFS106 SERIES

INPUT VOLTAGE	12VDC
OUTPUT CURRENT	50mA Max.
INPUT POWER	0.6W
OUTPUT VOLTAGE	10VDC
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	4.2/5.0
HOUSING MATERIAL	UL 94-5VA
INDOOR/OUTDOOR USE	Indoor Use Only
DETECTION RANGE	40-80ft Max
MOUNTING HEIGHT	20-40ft 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	IP40
COLOR	White,Black
WARRANTY	5 Years
COMPLIANCE	UL8750, 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

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**MATING RECEPTACLES (Not included in the product package)**



JLS-LLE-BH4



JLS-LLE-BH4



JLS-LLE-SC03

## Ordering Guide

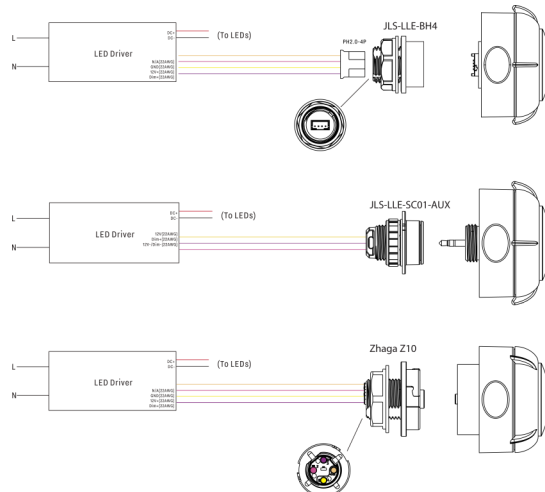
MODEL	BASE	COLOR	PHOTOCELL TYPE	BLUETOOTH VERSION	DESCRIPTION
JLS-LLE-EFS106-BH4.A0	BH4	White	DLH*	4.2	High Bay Sensor
JLS-LLE-EFS106-BH4.A0				5.0	
JLS-LLE-EFS106-AUX.A0	AUX			4.2	
JLS-LLE-EFS106-AUX.B1				5.0	
JLS-LLE-EFS106-Z10.A0	Zhaga-Z10			4.2	
JLS-LLE-EFS106-Z10.B1				5.0	

\* DLH = Daylight Harvesting

## Accessory Ordering Guide

MODEL	TYPE	DESCRIPTION
JLS-LLE-HBL1-2-W	Lens	High Bay Lens 20ft to 40ft Mounting Height
JLS-LLE-HBL3-2-W	Lens	High Bay Lens 20ft to 50ft Mounting Height
JLS-LLE-MBL1-2-W	Lens	Middle Bay Lens
JLS-LLE-BH4	Base	BH4 Mating Receptacle
JLS-LLE-SC01	Base	Mating Receptacle
JLS-LLE-SC03	Base	Turnable Mating Receptacle

## WIRING



Socket Mounting Dimensions		1/2 inch US standard knockout
Size	T.P.I - inch	Major Dia. - inch
R1/2	14	0.825

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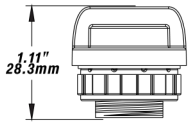
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# JLS-LLE-EFS106 SERIES HIGH BAY SENSOR

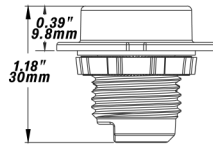
**JAYKAL**

## ACCESSORY DIMENSIONS

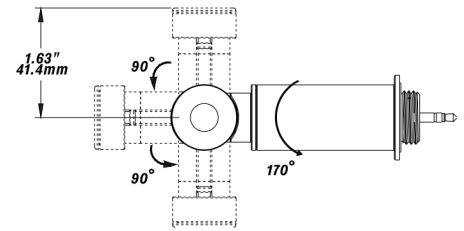
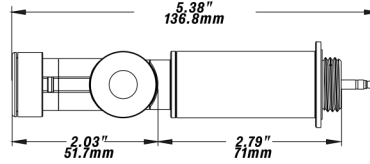
**JLS-LLE-BH4**



**JLS-LLE-SC01-AUX**



**JLS-LLE-SC03-AUX**



Socket Mounting Dimensions  $\frac{1}{2}$  inch US standard knockout

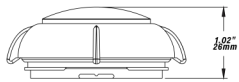
Size T.P.I - inch Major Dia. - inch

R1/2 14 0.825

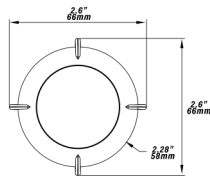
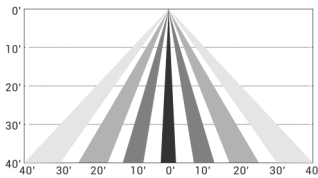
## LENS DIMENSIONS

Unit:inch/mm

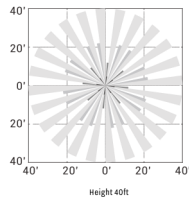
**JLS-LLE-HBL1**



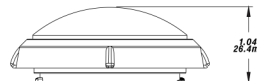
Coverage Side View



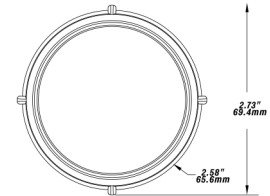
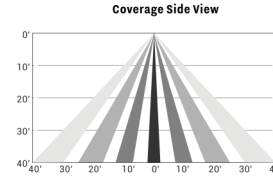
Coverage Top View



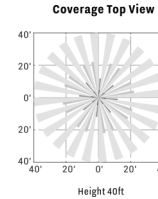
**JLS-LLE-HBL3**



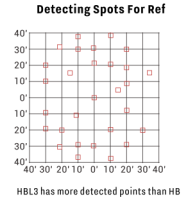
Coverage Side View



Coverage Top View

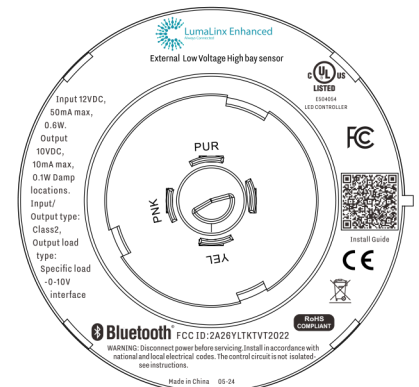
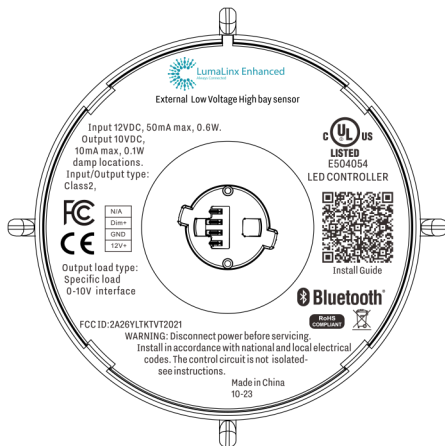


Detecting Spots For Ref



HBL3 has more detected points than HBL1

## PRODUCT LABEL



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Always Connected



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APP DOWNLOAD



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