

JLS-LLE-EFS01RE EXTERNAL HIGH BAY SENSOR

JAYKAL

PROJECT NAME:

JAYKAL LED SOLUTIONS, INC.

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PROJECT NOTES:

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PRODUCT DESCRIPTION

The AC High Bay PIR Sensor and Controller is a non-Bluetooth basic sensor. EFS01RE is equipped with **AlgoH™** algorithm to enhance detection without false trigger.

FEATURES

- This sensor was designed for automatic lighting control in high or low bay application.
- Different lens options provided.
- Includes a hold-off daylight level feature to prevent lighting from turning on when there is sufficient ambient light.
- Customize dimming level, delay time and control mode easily via a remote controller.



Revised 11/21/24

Specifications are typical values and may change without notification

efficiency. illuminated.

JLS-LLE-EFS01RE EXTERNAL HIGH BAY SENSOR

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SPECIFICATIONS TABLE

JLS-LL-EFS01RE

| | |
|-----------------------|---|
| INPUT VOLTAGE | 120-277VAC |
| FREQUENCY | 60Hz |
| INPUT CURRENT | 10A Max @ 120V, 4.3A Max @ 277V |
| INPUT POWER | 1200W Max |
| OUTPUT VOLTAGE | 120-277VAC |
| OUTPUT CURRENT | 10A Max @ 120V, 4.3A Max @ 277V |
| OUTPUT POWER | 1200W Max |
| DIMMING | Class 2, 0-10V DC 10mA Max |
| SINKING CURRENT | 10mA Max |
| HOUSING MATERIAL | UL 94-5VA |
| DETECTION RANGE | 40-80ft Max |
| MOUNTING HEIGHT | 20-40ft Max |
| IR REMOTE RANGE | Max 26' Indoor/Outdoor Use |
| 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 | IP40 |
| COLOR | White |
| WARRANTY | 5 Years |
| COMPLIANCE | UL8750, RoHS |
| SAFETY | cULus Recognized Component LED Controller E504054 |

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



Ordering Guide

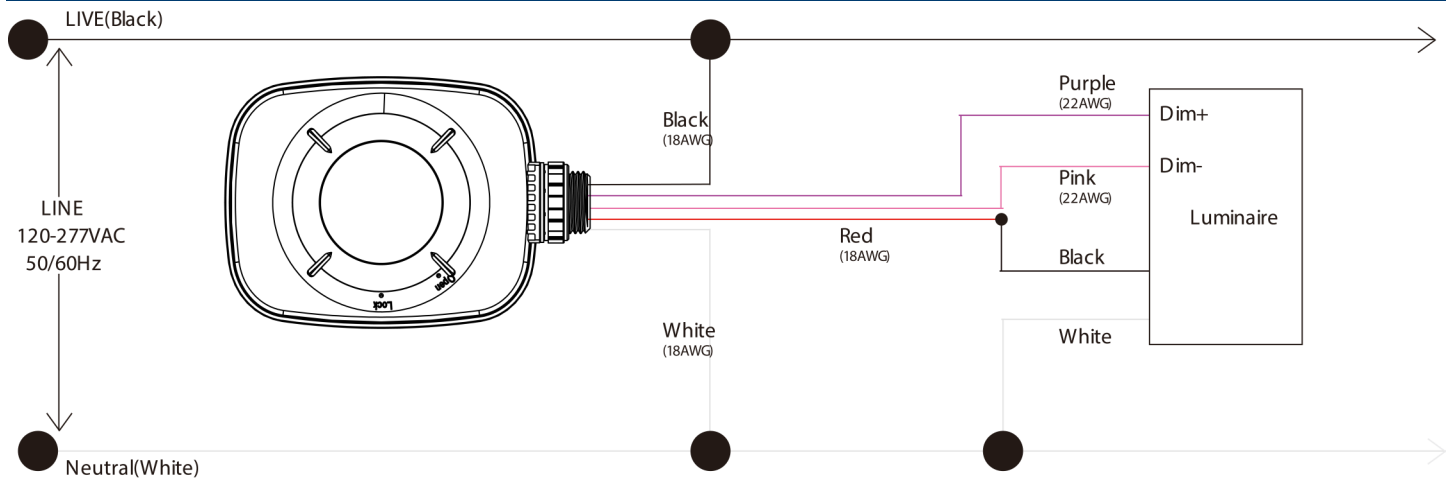
| MODEL | Description |
|--------------------|-------------------------------------|
| JLS-LLE-EFS01RE.A2 | AC External Photo/PIR Motion Sensor |
| JLS-LL-HBL3-2-W | High Bay Lens |
| JLS-LL-HBL1-2-W | High Bay Lens |
| JLS-LL-EJ30 | Extension Adapter |
| JLS-LL-EJ50 | Extension Adapter |

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JLS-LLE-EFS01RE EXTERNAL HIGH BAY SENSOR

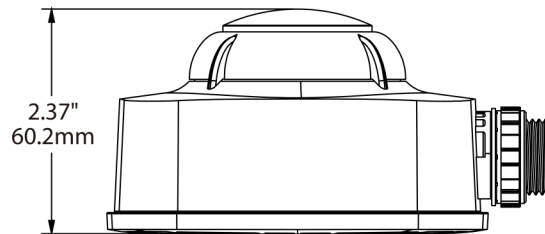
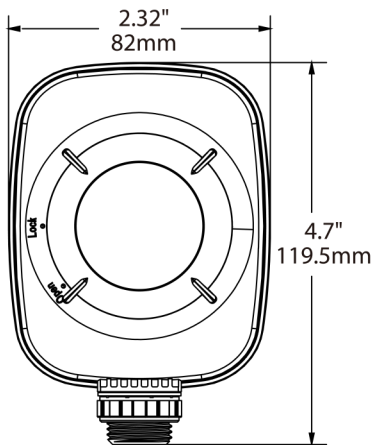
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WIRING



DIMENSIONS

Unit: inch/mm



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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efficiency. illuminated.

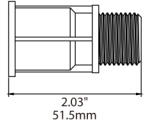
JLS-LLE-EFS01RE EXTERNAL HIGH BAY SENSOR

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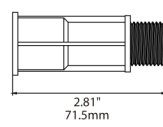
ACCESSORY DIMENSIONS

Unit:inch/mm

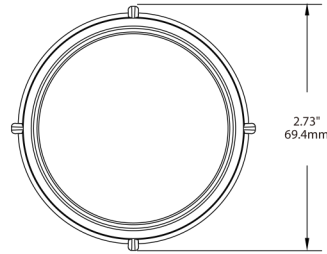
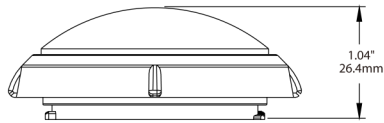
JLS-LL-EJ30



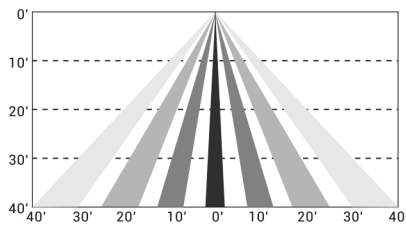
JLS-LL-EJ50



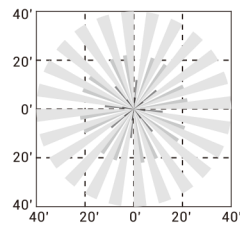
JLS-LL-HBL3



Coverage Side View

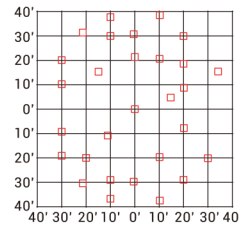


Coverage Top View



Height40ft

Detecting Spots For Ref

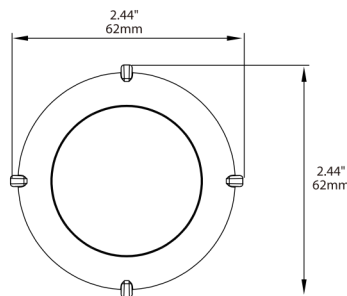
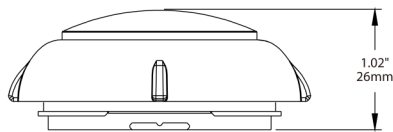


HBL3 has more detected points than HBL1

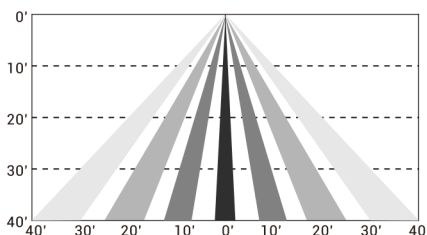
ACCESSORY DIMENSIONS

Unit:inch/mm

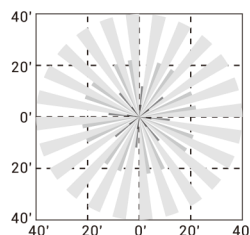
JLS-LL-HBL1



Coverage Side View

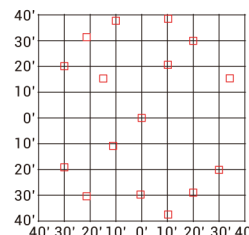


Coverage Top View



Height40ft

Detecting Spots For Ref



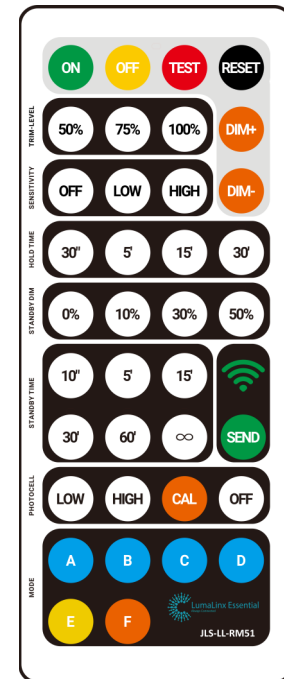
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REMOTE GUIDE

| | |
|---------------------------|---|
| 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. |



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