

JLS-ESS-EIFS08 12V MICROWAVE SENSOR

JAYKAL

PROJECT NAME:

JAYKAL LED SOLUTIONS, INC.

www.jaykal.net

PROJECT NOTES:

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PRODUCT DESCRIPTION

The JLS-ESS-EIFS08 is a microwave occupancy sensor with a magnetic mount that supports a delay time and adjustable dimming of luminaires.

FEATURES

- Operates with 0-10VDC dim-to-off LED drivers
- Setting configurations are performed with the RM51 Remote Controller (not included)
- Integrated photocell provides dusk-to-dawn control
- Ideal for lensed luminaires



Revised 3/24/25

Specifications are typical values and may change without notification

efficiency. illuminated.

JLS-ESS-EIFS08 12V MICROWAVE SENSOR

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SPECIFICATIONS TABLE

JLS-ESS-EIFS08

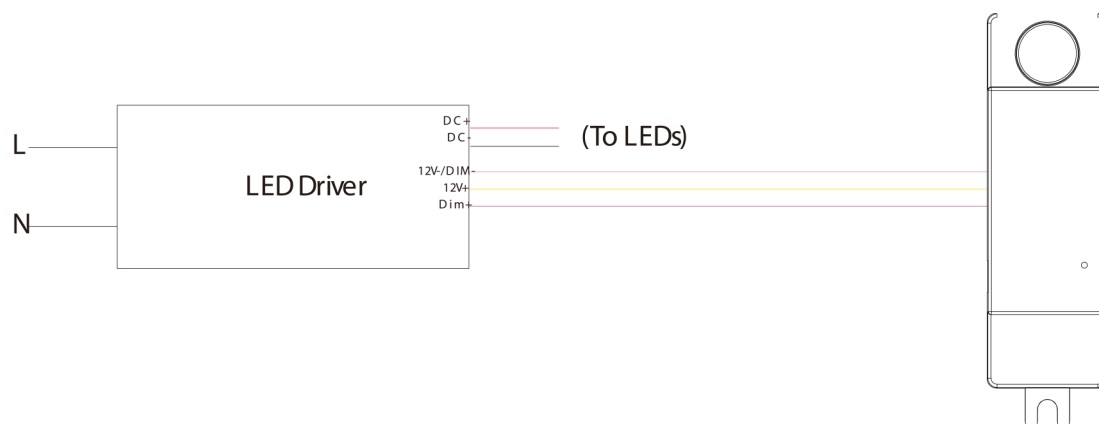
INPUT VOLTAGE	12VDC $\pm$ 1V
INPUT CURRENT	30mA
INPUT POWER	1.5W
OUTPUT CURRENT	10mA Max
OUTPUT POWER	0.1W
DIMMING	Class 2, 0-10V DC 10mA Max
SINKING CURRENT	10mA Max
HOUSING MATERIAL	UL 94-5VA, Indoor Use Only
DETECTION RANGE	45ft Max
MOUNTING HEIGHT	20ft Max
OPERATING TEMPERATURE	-30°C to 55°C, -22°F 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, 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-ESS-EIFS08.B1	Microwave Occupancy Sensor with Photocell

WIRING



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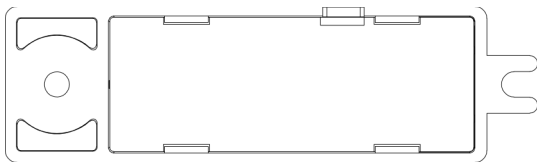
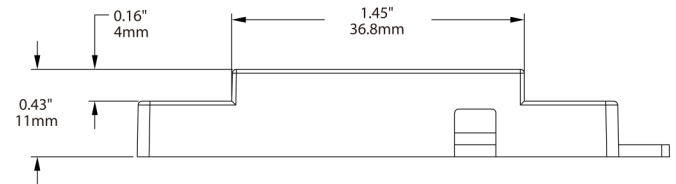
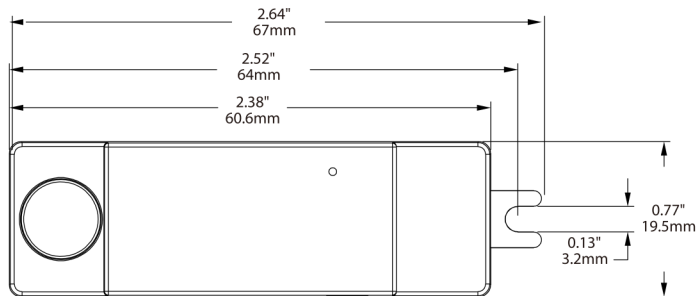
efficiency. illuminated.

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DIMENSIONS

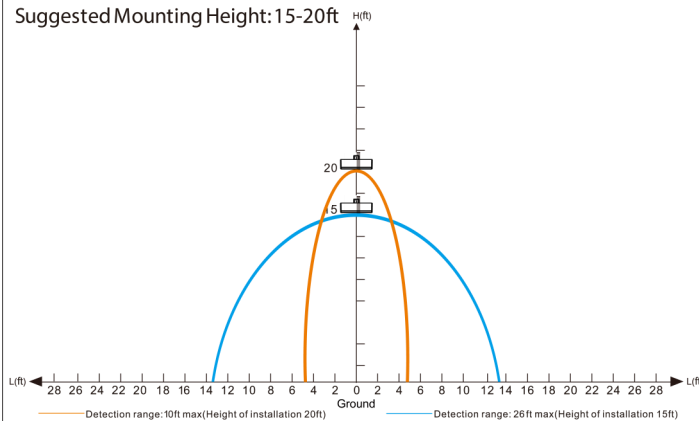
Unit:inch/mm



Back

COVERAGE

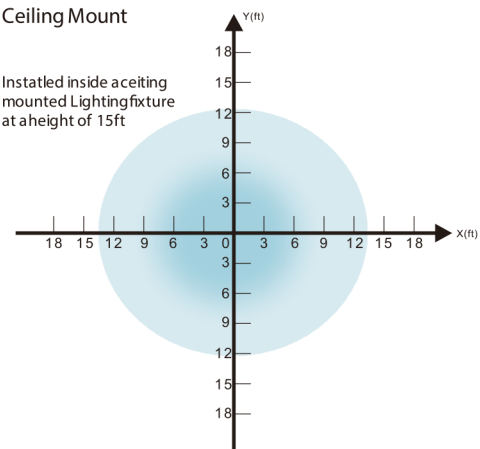
Suggested Mounting Height: 15-20ft



Ceiling Mount



Instatled inside a ceiling mounted Lighting fixture at a height of 15ft



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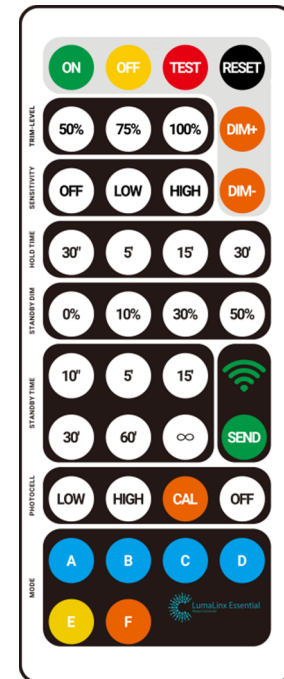
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JLS-LL-EIFS08 12V MICROWAVE SENSOR

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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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