LumaLinx Essential
Always Connected

JLS-ESS-EFS06R EXTERNAL PHOTO/MICROWAVE MOTION SENSOR

JAYKAL

PROJECT NAME:

PROJECT NOTES:

PRODUCT DESCRIPTION

JLS-LL-EFS06R is an external mount Photocell and Microwave sensor. It operates with a 0-10VDC dim-to-off LED driver with 12VDC Aux power socket. Models available for 3.5mm AUX and BH4 sockets (not inlcuded).

FEATURES

- 0-10V Bi-level dimming control.
- 3.5mm Audio jack, save the installation cost at most.
- Operates on 12V DC which can be easily feed from a LED driver, saves OEM cost on manufacturer side.
- Perfectly fit in UFO high bays, area lights and wall packs that have limit to mount a external sensor.
- 6 modes, 10%-100% dimming level, 30"-30' delay time selectable allowed to customize your setting.
- IP66 rated for outdoor fixtures.
- Programs setup by a Remote controller (JLS-LL-RM51).

efficiency. illuminated.

SPECIFICATIONS TABLE

JLS-ESS-EFS06R	
INPUT VOLTAGE	DC 12V
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 / Outdoor Use
DETECTION RANGE	32-46ft
MOUNTING HEIGHT	20-40ft
IR REMOTE RANGE	Max 26' Indoor/Outdoor Use
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	IP66
COLOR	White/Black
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.

JLS-ESS-SC01-AUX	JLS-ESS-SC02-AUX	JLS-ESS-SC03-AUX	JLS-ESS-SC04-AUX	JLS-ESS-BH4

Ordering Guide

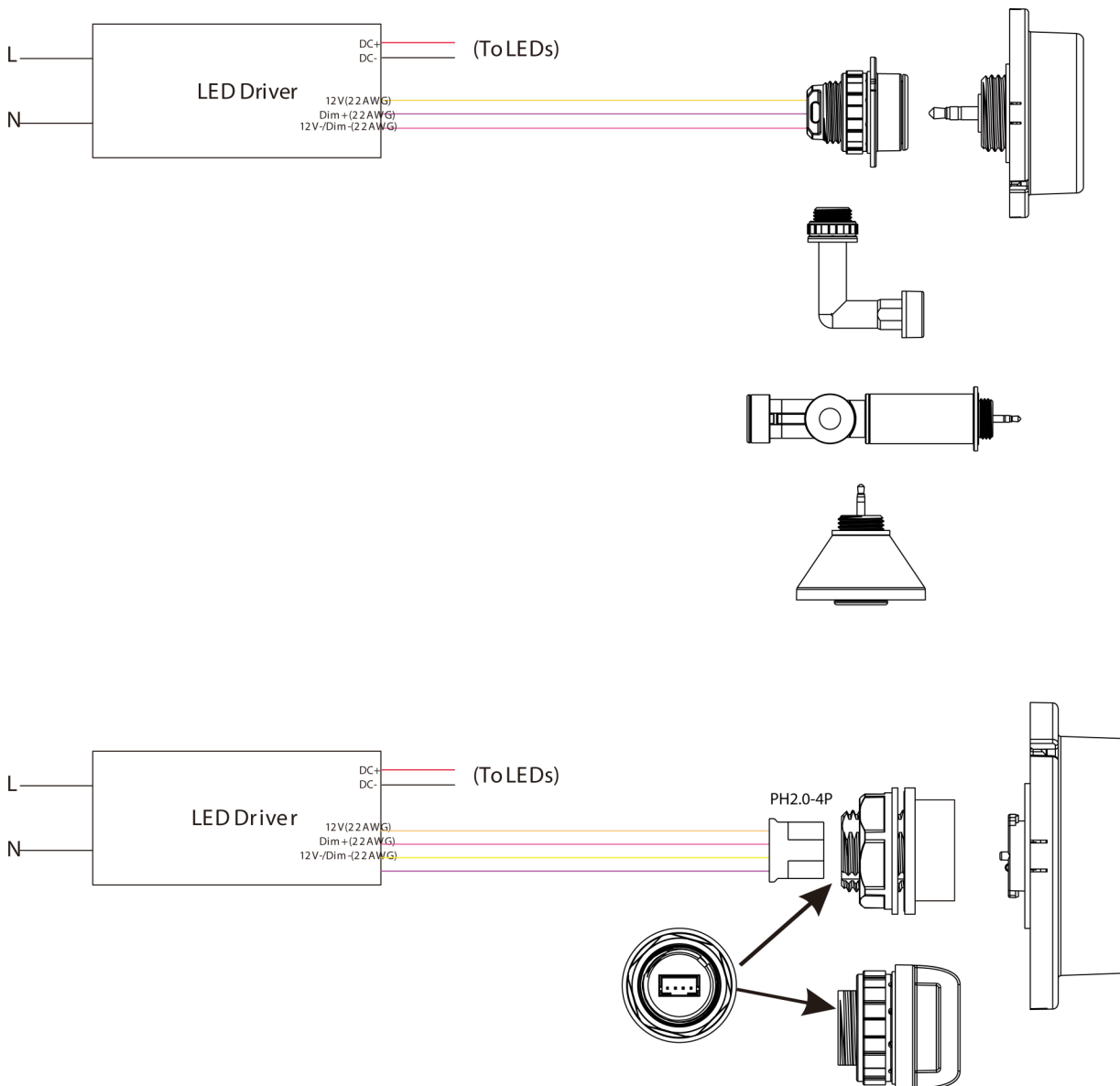| MODEL	Description
JLS-ESS-EFS06R-AUX.B1	DC EXTERNAL PHOTO/MICROWAVE MOTION SENSOR FOR 3.5MM AUX SOCKET
JLS-ESS-EFS06R-BH4.B1	DC EXTERNAL PHOTO/MICROWAVE MOTION SENSOR FOR BH4 SOCKET

Specifications are typical values and may change without notification

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Accessory Ordering Guide

MODEL	Description
JLS-ESS-SC01-AUX	3.5mm Audio receptacle
JLS-ESS-SC02-AUX	3.5mm Audio 90° external adapter
JLS-ESS-SC03-AUX	Turnable AUX Mating Receptacle
JLS-ESS-SC04-AUX	Extension Adapter For 3.5mm AUX
JLS-ESS-BH4	BH4 Mating Receptacle

WIRING

L

DC+
DC- (To LEDs)

LED Driver

12V(22AWG)
Dim+(22AWG)
12V-/Dim-(22AWG)

N

L

DC+
DC- (To LEDs)

LED Driver

PH2.0-4P

12V(22AWG)
Dim+(22AWG)
12V-/Dim-(22AWG)

N

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JLS-ESS-EFS06R EXTERNAL PHOTO/MICROWAVE MOTION SENSOR

DIMENSIONS

Unit:inch/mm

2.17"
55.2mm

1.57"
40mm

0.55"
14mm

0.92"
23.5mm

2.17"
55.2mm
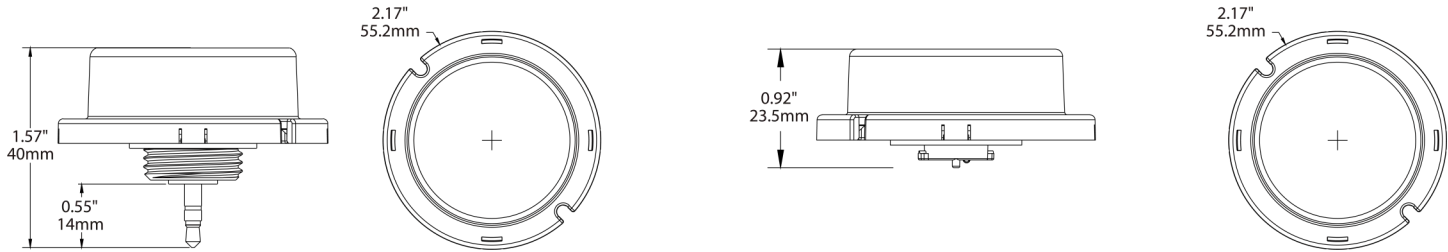
ACCESSORY DIMENSIONS

Unit:inch/mm

JLS-ESS-SC01-AUX

1.18"
30mm

JLS-ESS-SC02-AUX

2.44"
62mm

2.71"
69mm

JLS-ESS-SC03-AUX

5.38"
136.8mm

2.03"
51.7mm

2.79"
71mm

1.63"
41.4mm

90°
90°
170°

JLS-ESS-SC04-AUX

2.13"
54.2mm

1.58"
40.2mm

2.28"
58mm

JLS-ESS-BH4

1.11"
28.3mm

JLS-ESS-BH4W

1.05"
26.8mm

COVERAGE

Suggested Mounting Height: 20-40ft

H(ft)

40

20

L(ft) 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 L(ft)

Ground

— Detection range:64ft Max(Height of installation 20 ft)   — Detection range:32ft max(Height of installation 40 ft)
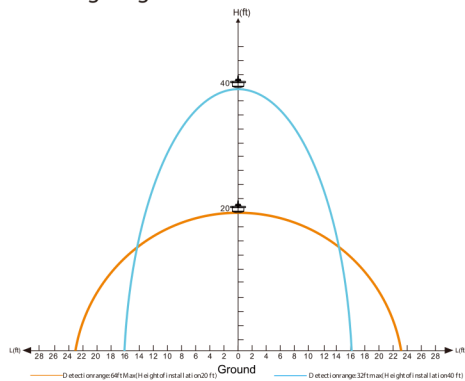
Ceiling Mount

Y(ft)
X(ft)

Installed inside a ceiling mounted Lighting fixture at a height of 20ft
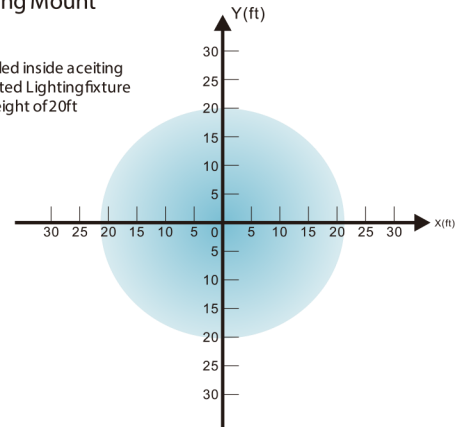
Y(ft)

30 25 20 15 10 5

30 25 20 15 10 5   5 10 15 20 25 30   X(ft)

5 10 15 20 25 30

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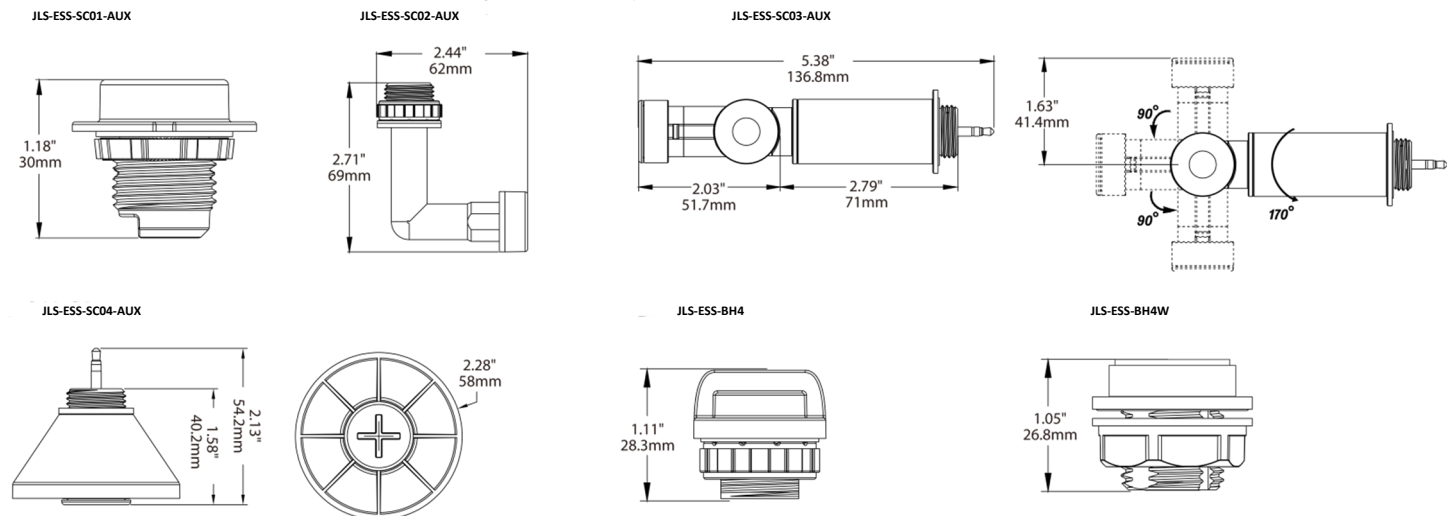## JLS-ESS-EFS06R EXTERNAL PHOTO/MICROWAVE MOTION SENSOR

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.
F MODE 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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