ELIOPJX00LR

Fulham's Link: an external PIR Sensor

- PIR occupancy detection sensor
- Built in daylight harvesting
- Plug and play: RJ12 connection
- Compatible only with Fulham SmartBridge

- RoHS
- Suitable for IP20 Locations

General Specifications

Input Voltage	5V⎓
Input Current	1mA(Max)
Opration Ambient Temperature Rang	0°C to 60°C (32°F to 140°F)
Operating Relativity Humidity Range	0-90%
Max. Case Temperature per certification	63°C
Sound Rating	A
Service Life	50,000 hours
RFI/EMI	FCC PART 15B CONSUMER
Approvals/Class	cULus Listed, CE, FCC type 15B, RoHS
Location/IP Rating	Suitable for Dry Location/ IP20 (when mounted directly onto luminaire using threaded nut)
Occupancy Detection Angle	62°
Occupancy Detection Area	Max 17m
Daylight Harvesting Type	Ambient Light Sensor
Interface	RJ12 (45 push-in port)

Fulham Co. Inc.: 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-779-2980 Fax.: 1-323-754-9060. order@fulham.com www.fulham.com
Specifications subject to change without notice.
Page 1 of 6
2020-856 Rev B

ELIOPJX00LR

Graphs

Figure 1- Detection pattern

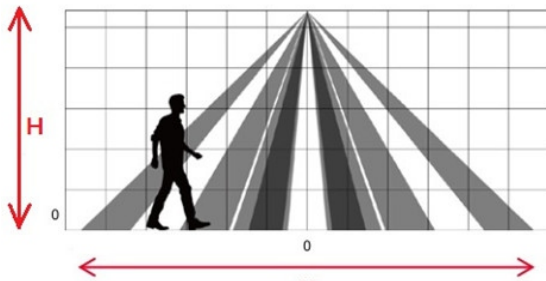| H	X	Y
10' (3.04m)	12' (3.65m)	12' (3.65m)
20' (6.09m)	24' (7.31m)	24' (7.31m)
30' (9.14m)	36' (10.9m)	36' (10.9m)
40' (12.1m)	48' (14.6m)	48' (14.6m)

Figure 2 - Detection Area
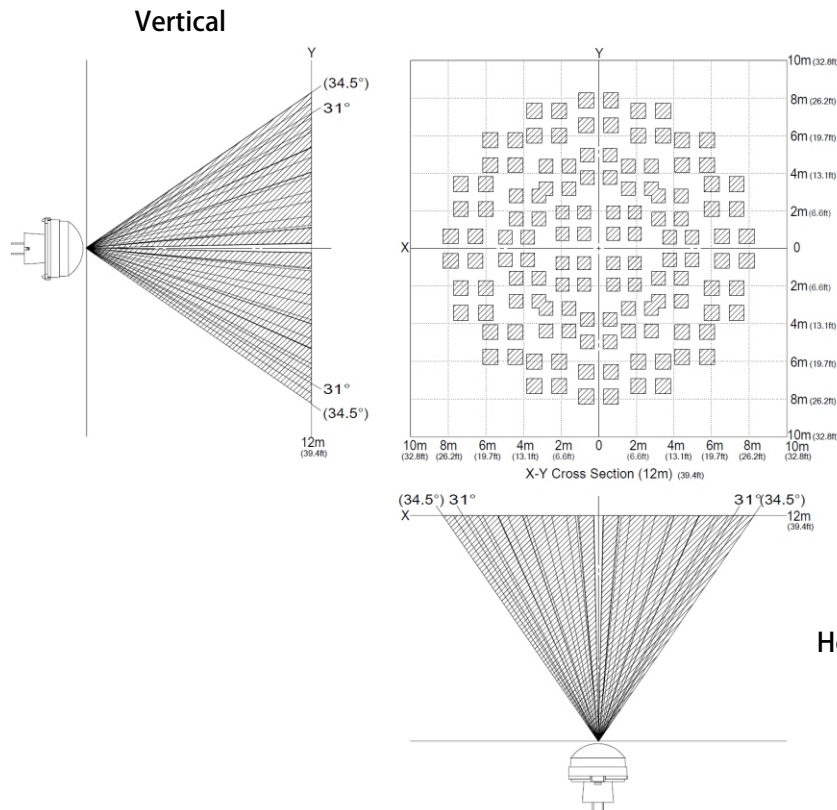
Vertical

Horizontal

Fulham Co. Inc.: 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-779-2980 Fax.: 1-323-754-9060. order@fulham.com   www.fulham.com
Specifications subject to change without notice.
Page 2 of 6
2020-856 Rev B
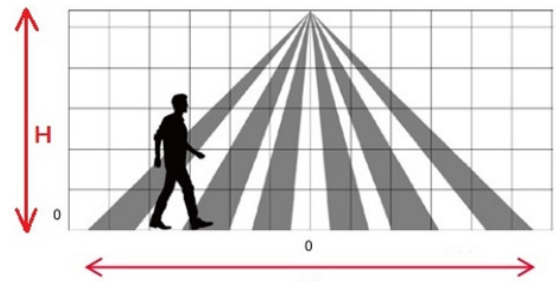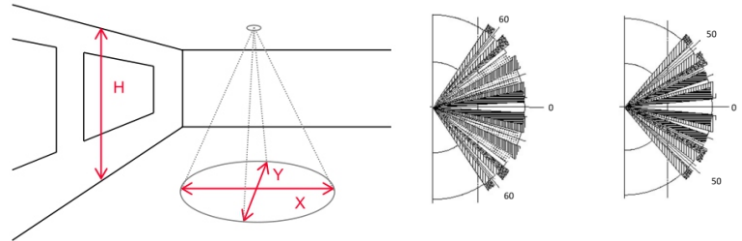
ELIOPJX00LR

Mechanical Drawings

ø1.65"
(ø42mm)

½"–14NPSM–2A

2.26"
(57.4mm)

1.77"
(45mm)
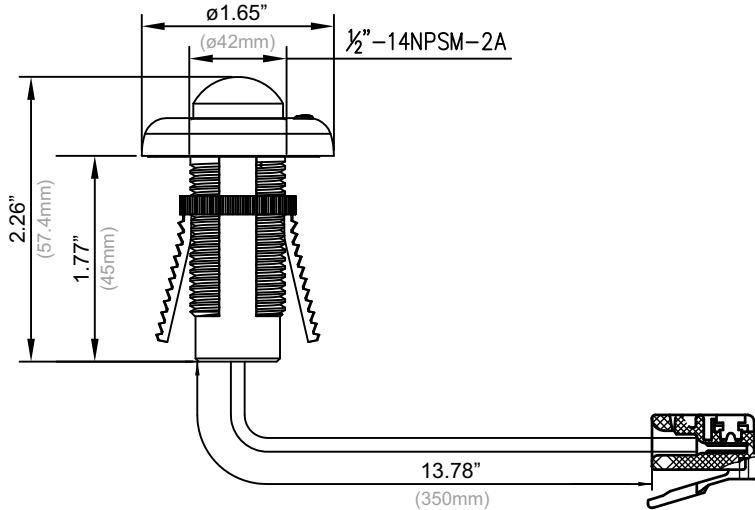
13.78"
(350mm)

Overall Dimensions	
Diameter	1.65" (42mm)
Height	2.44" (62mm)
Wire Length	
RJ12 Wire (White)	13.78" (350mm)

Wire Diagram

HOT (120V~277V) — LINE
NEUTRAL

BLACK (Line Input)
RED/BLACK (Line Output)
WHITE (Neutral Input/Output)
PURPLE (+ Dimming 0-10VDC)
PINK (- Dimming 0-10VDC)
GRN/YLW (GRD)
I²C (RJ12 Cable)

CTBRCB02JM02

ELIOPJX00LR

Note: Pink or Gray dimming wire provided. use interchangeably.

BLACK
WHITE
LED DRIVER
INPUT OUTPUT
0-10V DIMMING
LED ARRAY
PURPLE (+)
PINK (-)

BLACK
WHITE
LED DRIVER
INPUT OUTPUT
0-10V DIMMING
LED ARRAY
PURPLE (+)
PINK (-)

BLACK
WHITE
LED DRIVER
INPUT OUTPUT
0-10V DIMMING
LED ARRAY
PURPLE (+)
PINK (-)

NOTES :

1) This driver must be installed by a licensed electrician

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Fulham Co. Inc.: 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-779-2980 Fax.: 1-323-754-9060. order@fulham.com www.fulham.com
Specifications subject to change without notice.

Page 3 of 6
2020-856 Rev B

ELIOPJX00LR

Guidelines

Compatible
- Only compatible with Fulham SmartBridge.

Warranty
- Reference Fulham's limited Warranty: https://cdn.fulham.com/PDFs/Limited-Warranty.pdf

FCC Caution
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Fulham Co. Inc.: 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-779-2980 Fax.: 1-323-754-9060. order@fulham.com www.fulham.com
Specifications subject to change without notice.
Page 4 of 6
2020-856 Rev B

ELIOPJX00LR

Accessories

Bluetooth Mesh Controller
Fulham Part Number: **CTBRCB02JM02**

Fulham Application Information

Reference Fulham's commissioning guide: https://www.fulham.com/PDFs/eliteBlue-commissioning-manual.pdf

---

Fulham Co. Inc.: 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-779-2980 Fax.: 1-323-754-9060. order@fulham.com www.fulham.com
Specifications subject to change without notice.
Page 5 of 6
2020-856 Rev B

ELIOPJX00LR

Part Number Matrix

| E	L	I	OP	J	X	00	LR
Lighting Control	Subfamily	Primary Protocol & Powering	Primary Control Channels	Package	Secondary Protocol & Powering	Secondary Control Channels	Detection Range
E = EliteControl	L = Link	I = I²C / I²C Bus Powered	01 = 1 Channel	J = J-Box Mount (Conduit Male fitting connector)	X = None	00 = None	LR = Long Range

Product Image: External PIR Sensor

Packaging

Master Carter
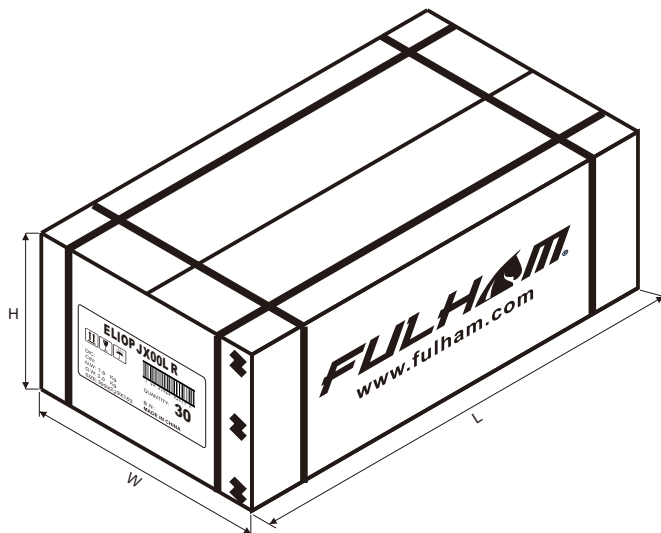
OUTER DIMENSION		
L	W	H
15.71"(399mm)	9.02"(229mm)	6.42"(163mm)
Net Weight	Gross Weight	QUANTITY
4.19 lbs. (1.9 kg)	6.61 lbs. (3.0 kg)	30pcs

Fulham Co. Inc.: 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-779-2980 Fax.: 1-323-754-9060. order@fulham.com www.fulham.com
Specifications subject to change without notice.
Page 6 of 6
2020-856 Rev B