

DESCRIPTION

The LE-C2 long-range antenna extends wireless coverage to support robust outdoor lighting control networks, improving communication between motion sensors and networked devices. It enhances system connectivity in outdoor applications while supporting integration of network sensors. The LE-C2 also features integrated relay control and a single-channel 0-10V dimming control capability. Designed for use with the LiteLogic lighting control platform, the device can be easily commissioned and configured using the LiteLogic app.

FEATURES & BENEFITS

- Includes LiteLogic wireless Bluetooth® mesh technology
- 5dbi IP65 rated antenna
- Signal booster for entire Bluetooth zone
- Switches connected loads on and off in response to the LiteLogic app or sensors
- Threaded connection attaches to enclosures through standard 1/2" knockouts

SPECIFICATIONS

Electrical:

- Input Voltage: 120-277VAC
- Frequency: 50/60Hz
- Input Current: 6A max
- Input Power: 720W max @ 120V, 1662W max @ 277V
- Output Voltage: 120-277VAC
- Output Current: 6A Max
- Output Power: 720W Max @120VAC, 1662W Max @277VAC
- Dimming: Class 2, 0-10VDC, 10mA max
- Sinking Current: 10mA max

Bluetooth:

- Transmit Range: TX5 1968' Max
- Radio Frequency: 2.4GHz ± 75MHz 5dbi
- Bluetooth Version: 5.0

Sensor Details:

- Analog PIR sensor

Construction:

- Housing: UL 94-5VA
- IP Rating: Controller IP20 suitable for indoor use, Antenna IP65 suitable for outdoor use
- Finish: Controller White, antenna Black
- Operating Temperature: -30°C to 65°C (-22°F to 149°F)
- Storage Temperature: -30°C to 85°C (-22°F to 185°F)

Testing & Compliance:

- UL Listed LED Controller, complies to UL 8750, UL 2043, UL 1376, RohS
- FCC ID: 2A26YLTKTVT2022
- DesignLights Consortium® Qualified Product

Warranty:

- Five year warranty (terms and conditions apply)

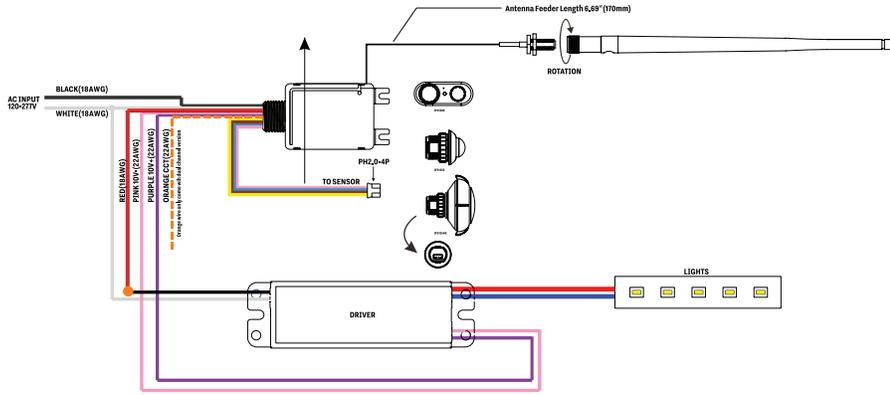
ORDERING INFORMATION (Example: LE-C2)

Model	Description
LE-C2	Fixture Controller with Long Range Antenna 5dbi, 120-277VAC, 60Hz, 6A Max

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



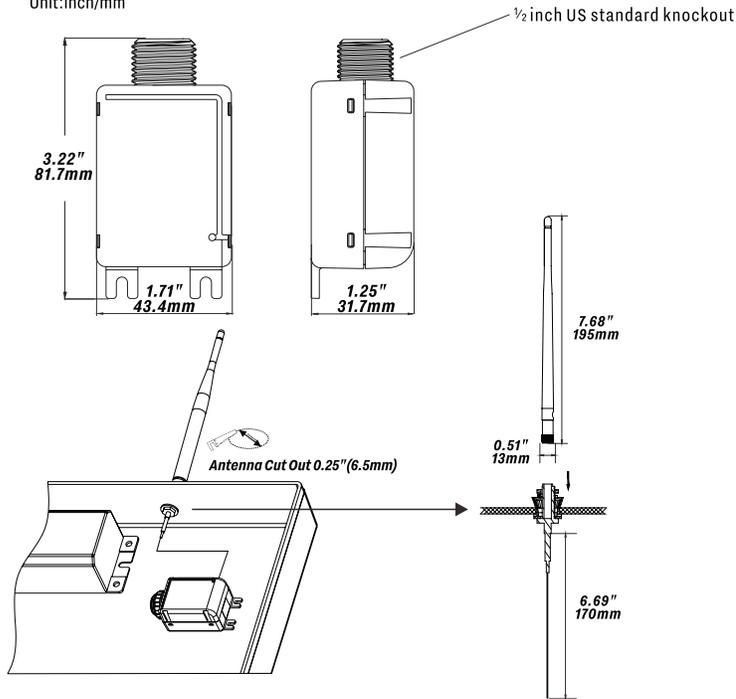
Wiring Diagram



FCC (22AWG)			
Yellow	Brown	Blue	Pink
12V+	PIR	PHO	GND

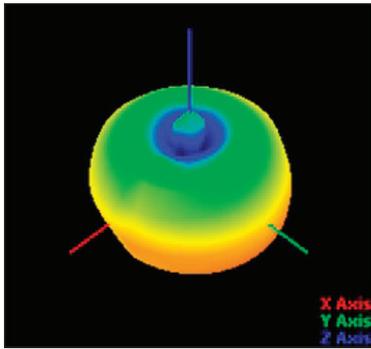
Dimensions

Unit: inch/mm

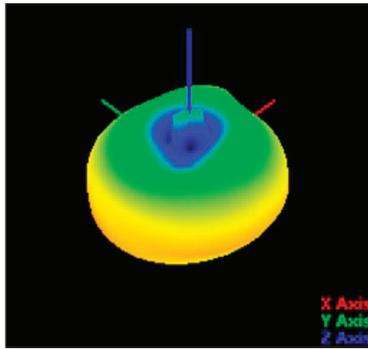


FCC (22AWG)		
Size	T.P.I	Major Dia.
	inch	inch
R1/2	14	0.825

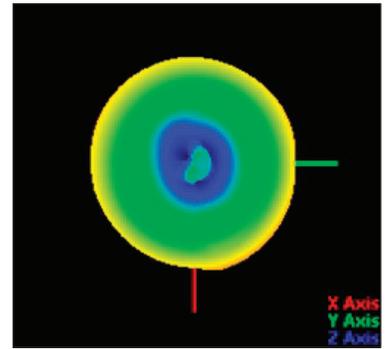
TX5 TRANSMISSION



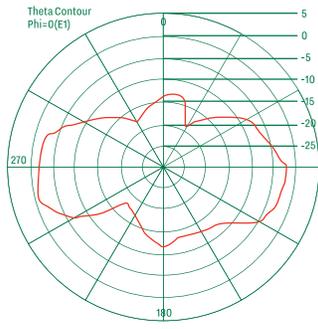
T45-P45



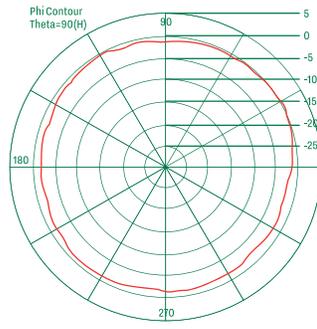
T45-P225



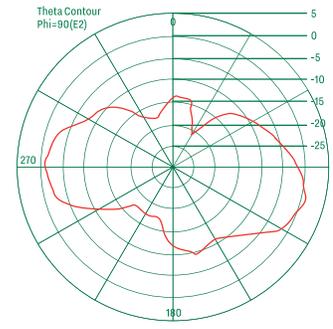
T0-P0



XOZ



XOY



YOZ

Wireless Signal Strength	
Transmission Distance	RSSI(dbm)
328ft(100m)	-40
656ft(200m)	-43
984ft(300m)	-45
1312ft(400m)	-51
1640ft(500m)	-52
1968ft(600m)	-60



- 5.4
- 3.89
- 2.38
- 0.87
- 0.65
- 2.16
- 3.67
- 5.18
- 6.69
- 8.21
- 9.72
- 11.23
- 12.74
- 14.26
- 15.77
- 17.28
- 18.79
- 20.31

Coordination System Description:
 Line Color XYZ Theta-Phi
 Red L. Axis X Theta90-Phi0
 Green L. Axis Y Theta90-Phi90
 Blue L. Axis Z Theta0