Single Channel Wireless Fixture Controller
PSC-WCM-300-BLE-XI

Overview

Bluetooth® Xicato Xmesh™ Compatible

Single Channel Controller with 0-10VDC Dimming Output

Sensor/Control Input (Active High) for Relay/Load Control

Switching Relay with Zero-Crossing

Line Voltage Input (120-277 VAC)

Mounts to 1/2" Knockout (Light Fixture or Enclosure)

Features High End Trim Adjustment, Zoning & Continuous Dimming

E341446

Applications

Xicato's Wireless Room Controller (PSC-WCM-300-BLE-XI) provides wireless control of lighting fixture with an integrated 10A relay and single channel of 0-10VDC dimming output, with seamless integration into Xicato Xmesh™ .

With an input voltage of 120-277VAC, this unit can dim lights and switch other load for whole room control solutions. The unit can be mounted to an electrical enclosure (via 1/2" knockout) or to a fixture/luminaire (via mounting tabs).

Operation

Xicato Xmesh™ controls provide a seamless Bluetooth based mesh control system for a room, floor, building or site. The controls system includes lights, switches, load controllers, gateways for easy integration with BMS and other lighting control systems, as well as cloud connectivity for remote monitoring and/or control. Key features of Xicato's Xmesh™ controls system are auto-discovery of new devices making it easy to expand your system with both devices and capabilities after initial installation.

Single Channel Dimming: allows for zone control of one 0-10VDC dimming channel.

Integrated Relay: features a 10A relay to control multiple fixtures in a lighting zone.

See the Xicato Controls Platform Manual for more information.

Specifications

Product Type: Single Channel Wireless Fixture Controller

Input Voltage | Current Consumption: 120-277VAC 50/60Hz | 100 mA

Sensor Control Input: Active High 10-24VDC, 30mA

0-10VDC Output: 30mA Current Sinking

Max Load Rating (10A Relay): 10A for Elec. Ballast, LED, CFL, Resistive

Mounting: 1/2" Threaded Nipple to Fixture or Electrical Enclosure

Max Bluetooth Range[1]: 100ft (30.4m)

Operating Temperature: -40°F to 104°F (-40°C to 40°C)

Storage Temperature: -40°F to 185°F (-40°C to 85°C)
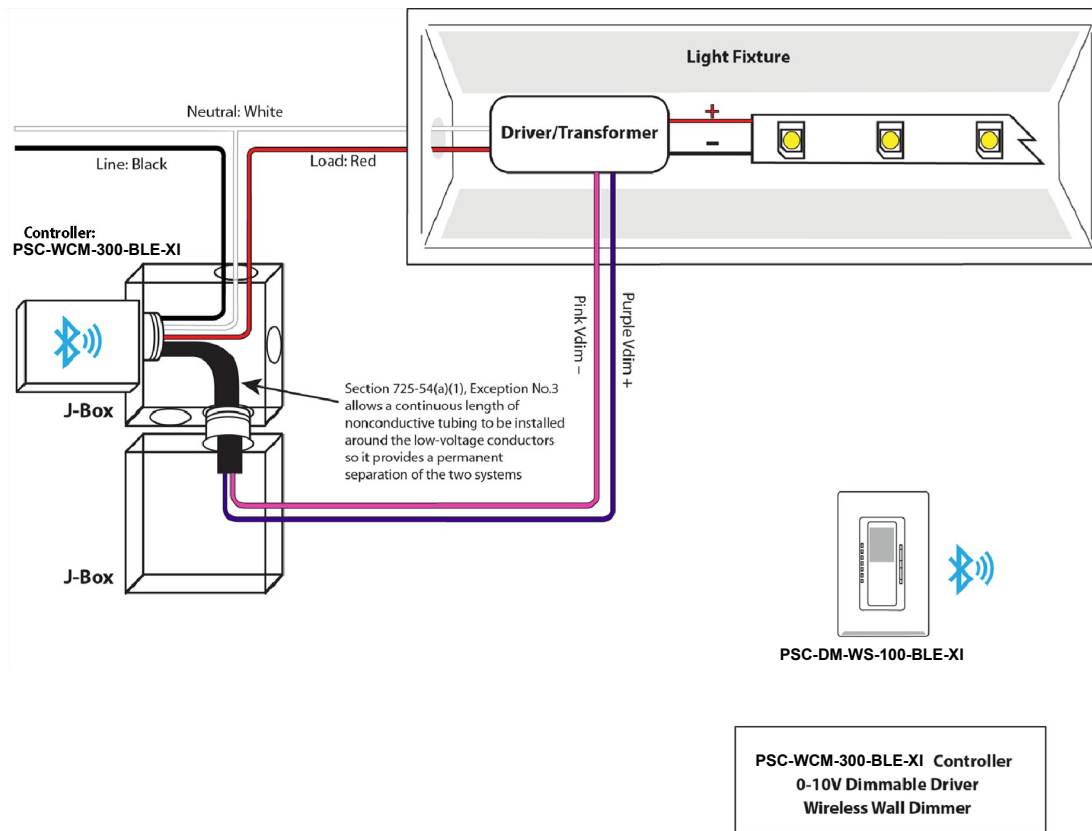
Relative Humidity: 90-95% non-condensing

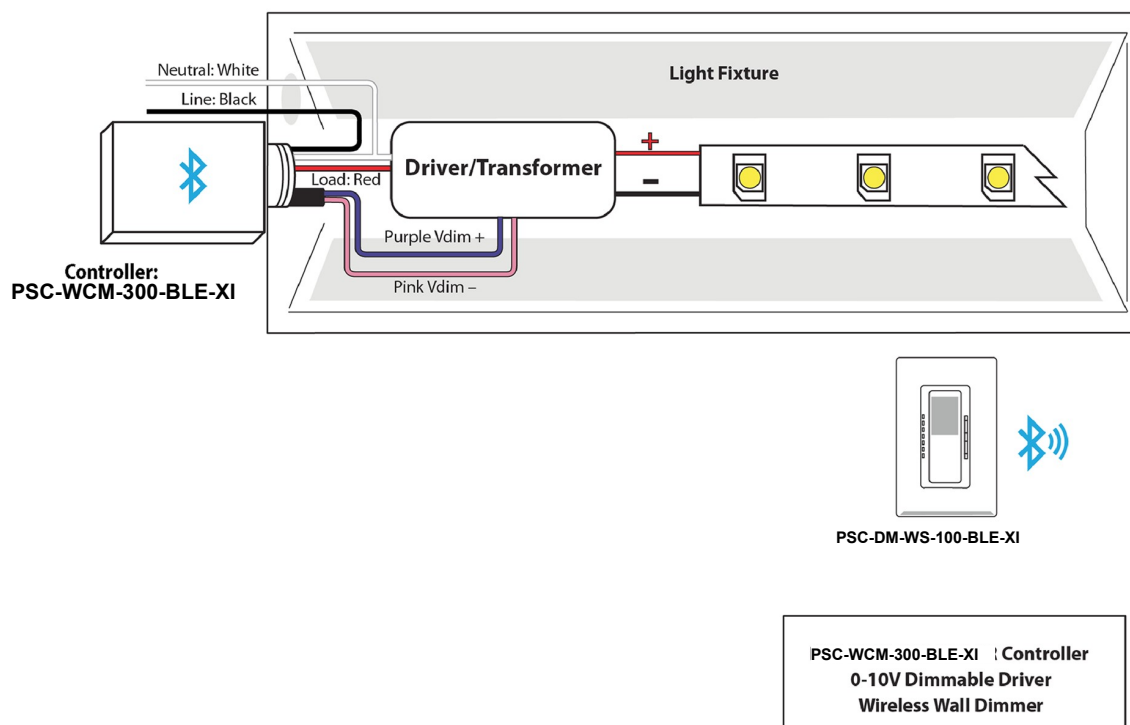**Color**: White

Warranty: 5 years

Note:
1. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for Bluetooth range accuracy.

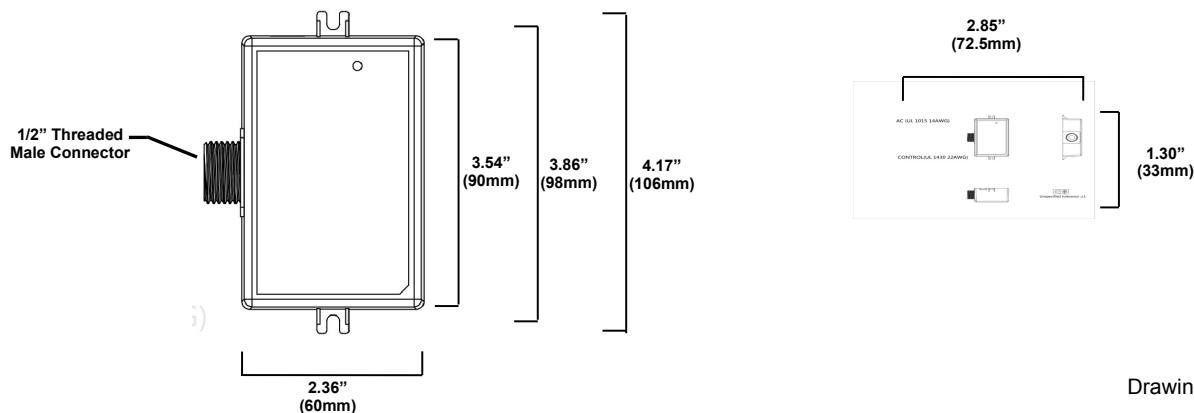## Wiring Example Application: Controller Mounted On Electrical Box

Light Fixture

Neutral: White

Driver/Transformer

Line: Black

Load: Red

Controller:
PSC-WCM-300-BLE-XI

J-Box

Pink Vdim –

Purple Vdim +

Section 725-54(a)(1), Exception No.3
allows a continuous length of
nonconductive tubing to be installed
around the low-voltage conductors
so it provides a permanent
separation of the two systems

J-Box

PSC-DM-WS-100-BLE-XI

PSC-WCM-300-BLE-XI Controller
0-10V Dimmable Driver
Wireless Wall Dimmer

Wiring Example Application: Controller Mounted On Fixture

Light Fixture

Neutral: White

Line: Black

Driver/Transformer

Controller:
PSC-WCM-300-BLE-XI

Load: Red

Purple Vdim +

Pink Vdim –

PSC-DM-WS-100-BLE-XI

PSC-WCM-300-BLE-XI   Controller
0-10V Dimmable Driver
Wireless Wall Dimmer

Design and specifications are subject to change without notice.

Physical Dimensions

1/2" Threaded Male Connector

3.54" (90mm) 3.86" (98mm) 4.17" (106mm)

2.36" (60mm)

2.85" (72.5mm)

AC (UL 1015 14AWG)

CONTROL(UL 1430 22AWG)

1.30" (33mm)

Drawings Are Not To Scale

Wiring Table

Wire	Designation	Notes	Size
Black	Line Input	Connect to Line Power	#14 AWG, 180+/-20mm, Strip 10mm Tin Plated
White	Neutral Input	Connect to Neutral Power and Luminaire Power Input	
Red	Load Output	Connect to Luminaire Power Input	
Purple	0-10V+ Dim Output	Connect to Luminaire Dim Input (0-10V+)	#22 AWG, 180+/-20mm, Strip 10mm Tin Plated
Pink	0-10V- Dim Output	Connect to Luminaire Dim Input (0-10V-)	

How To Order

PSC-WCM-300-BLE-XI	Xicato Xmesh™ Line Voltage Single Channel Wireless Room Controller with Integrated Relay	120-277VAC	10A	0-10V, 100mA	No Sensor Input