

PSC-WCM-300-BLE-CB | Wireless Fixture Controller Tunable White

Overview

- 1-Channel 0-10VDC Dimming
- Mounts To Electrical Box Or Light Fixture
- Casambi Wireless Mesh
- High-End Trim, Zoning, Continuous Dimming
- Relay With Zero-Crossing
- 120-277VAC Input Voltage
- ioXt Alliance Cybersecurity Certification



Suitable For Indoor Use Only



Applications

The Wireless Fixture Controller (PSC-WCM-300-BLE-CB) allows for one channel of 0-10 dimming, and has a 10A relay for turning on and off multiple fixtures in the same zone. This unit is controlled via Casambi Wireless Mesh technology.

With input voltage of 120-277VAC, this unit has an 1/2" threaded male connector for attachment to an electrical box or fixture mounting. The unit also has two tabs for mounting,

Operation

Casambi Wireless Mesh Controls:

The controller connects to a wireless mesh network via a mobile app, available as iOS or Android, to allow initial setup and subsequent parameters adjustments.

User Interface: Using the mobile app, features include: setup, control real time feedback, and scheduling without a gateway or internet access.

1 Channel Dimming: allows for one 0-10 dimming channel for zone control.

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

Low voltage wires are in heat shrink tubing as a barrier from line voltage wiring (UL approved).

Summary

Product Type:
1-Channel Wireless Fixture Controller

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

0-10VDC Output: 30 mA sink

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

Mounting:
Light Fixture or Electrical Box.

Max Wireless Range¹:
100ft (30.4m)

Operating Temperature:
-40° C to 40° C

Storage Temperature:
-40° C to 85° C

Relative Humidity:
90-95% non-condensing

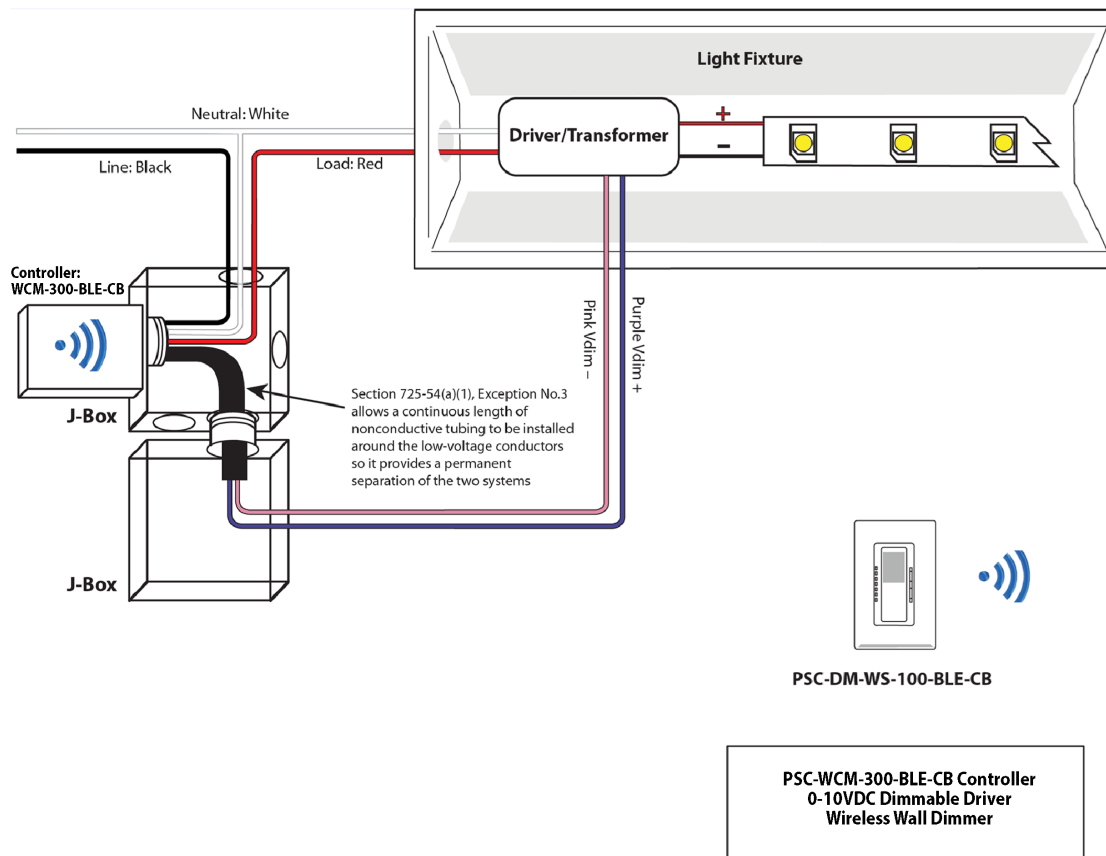
Color: White

Warranty: 5 years

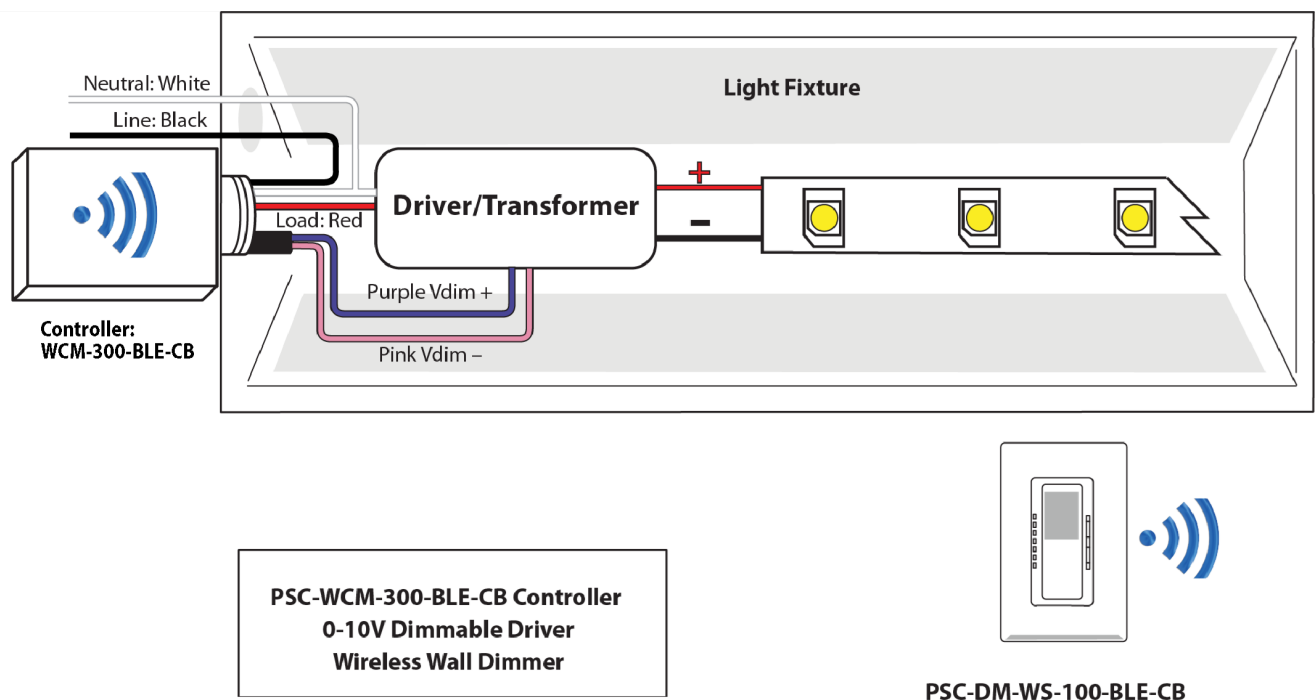
Note:
1. Wireless Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.



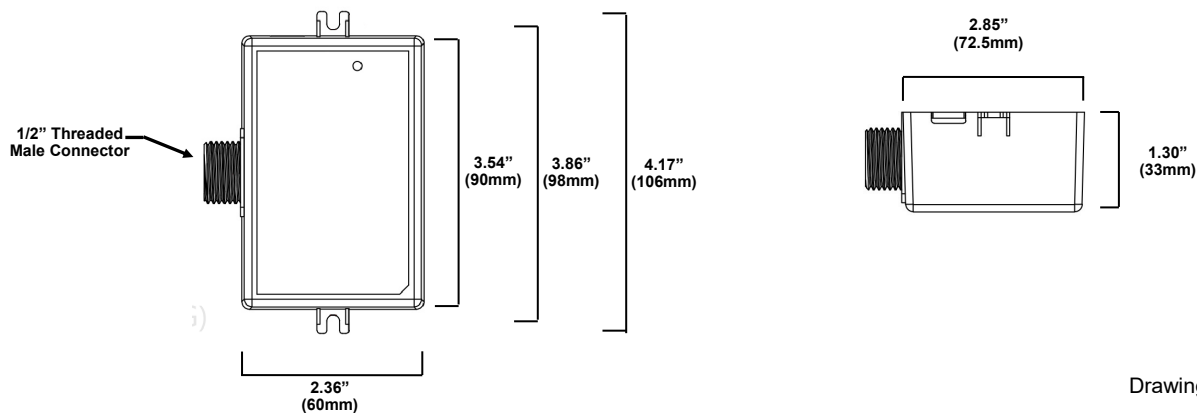
Wiring Example Application: Controller Mounted On Electrical Box



Wiring Example Application: Controller Mounted On Fixture



Physical Dimensions



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	0-10VDC+ Dim Output	Connect to Luminaire Dim Input (0-10V+)	#22 AWG, 180+/-20mm, Strip 10mm Tin Plated
Pink (or Gray)	0-10VDC- Dim Output	Connect to Luminaire Dim Input (0-10V-)	

How to Order

Model No.	Description	Input Voltage	Relay	Dimming Output	Aux. Output	Sensor Input
PSC-WCM-300-BLE-CB	Line Voltage Fixture Controller, Single Channel, Casambi Wireless Mesh	120-277VAC	10A	0-10V, 30mA	NA	NA

Design and specifications are subject to change without notice.

