

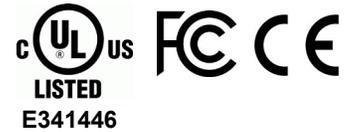
Wireless 2-Channel Fixture Controller with Tunable White

Overview

- 2-Channel 0-10VDC Dimming for White Tuning
- Mounts in Fixture
- Casambi Wireless Mesh
- High-End Trim, Zoning, Continuous Dimming
- Also available without Relay drive (-EC version)
- Available in standard 12-24VDC
- ioXt Alliance cybersecurity certification



Suitable for indoor use only



Applications

The PSC-WCM-100-BLE-CB is a 2-Channel Wireless Fixture Controller that controls 0-10 dimming and white tuning. The standard version has active high output for relay or sensor control, and has a general purpose I/O (-EC version does not have a relay).

These devices are controlled using Casambi Wireless Mesh technology allowing for dimming of LED lighting. The compact size allows for seamless integration to the fixture.

See the "How to Order" for suffixes of part numbers to ensure correct features for Tunable White Drivers.

Accessories

Power Pack: The PSC-WCM-100-BLE-CB operates on 12-24VDC.

These fixture controllers require a separate mwConnect PacWave™ power pack. See mwConnect PacWave™ Power Pack data sheets.

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.

2-Channel Dimming: allows for two 0-10 dimming channels for tunable white color control. Using light fixtures that have two drivers, with cool and warm LEDs provides the ability to control the color temperature output.

Relay Control: High control output can be used to trigger relays or other control circuitry.

See the mwConnect Casambi Commissioning User Manual for more information.

Summary

Product Type:
2 Channel Fixture Controller

Input Voltage | Current Consumption:
12-24 VDC | 100 mA

0-10V Output (x2): 30 mA

Output: Active High—Vin-2.5V 30mA source

Mounting: Fixture Mount

Max Wireless Range¹:
100ft (30.4m)

Operating Temperature:
-30° C to 70° C

Storage Temperature:
-40° C to 80° C

Relative Humidity:
90-95% non-condensing

Color: White

Warranty: 5 years

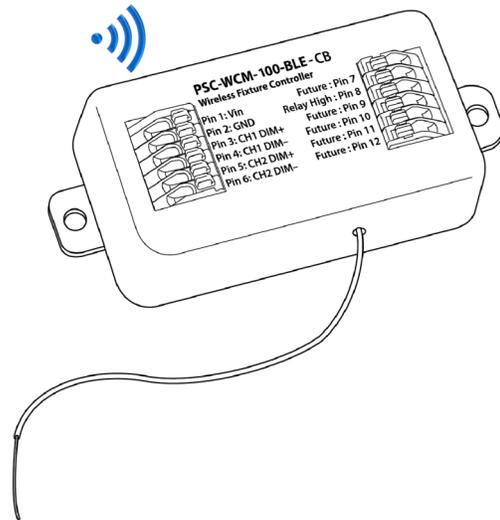
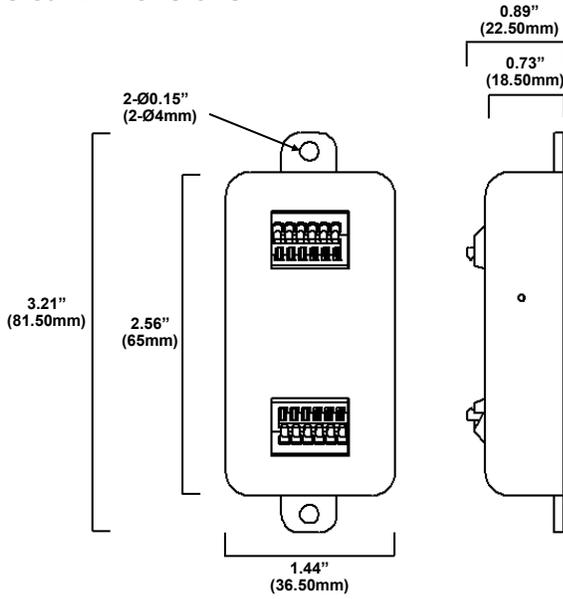
Note:

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

Project

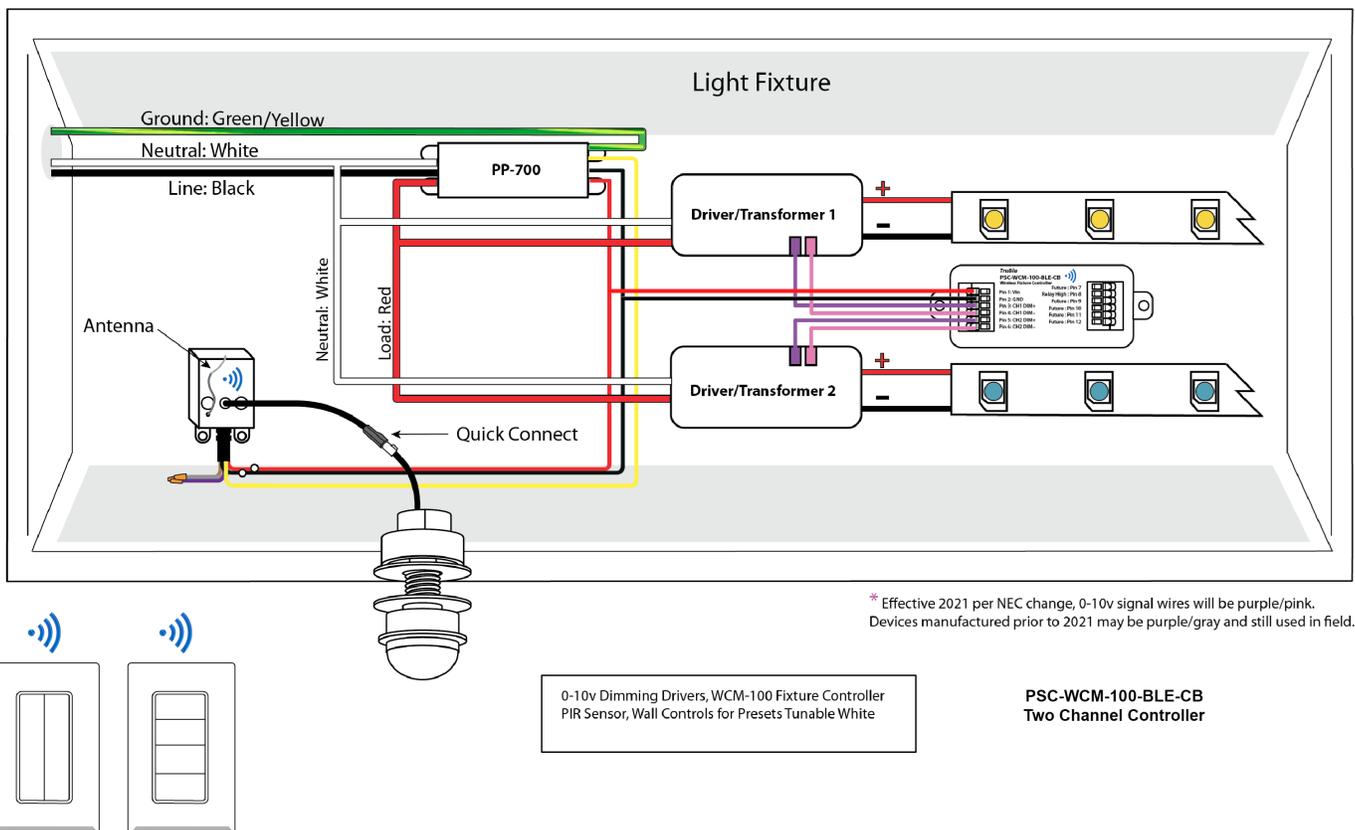
Location/Type

Physical Dimensions

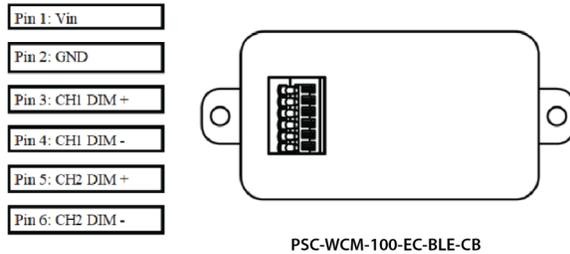
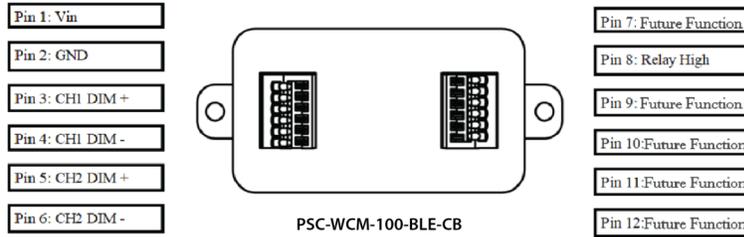


Drawings are Not to Scale

Wiring Diagram

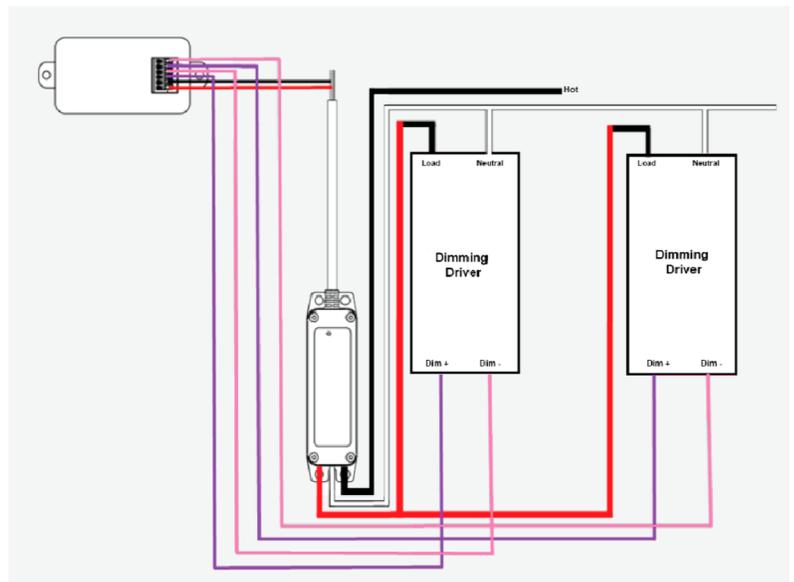
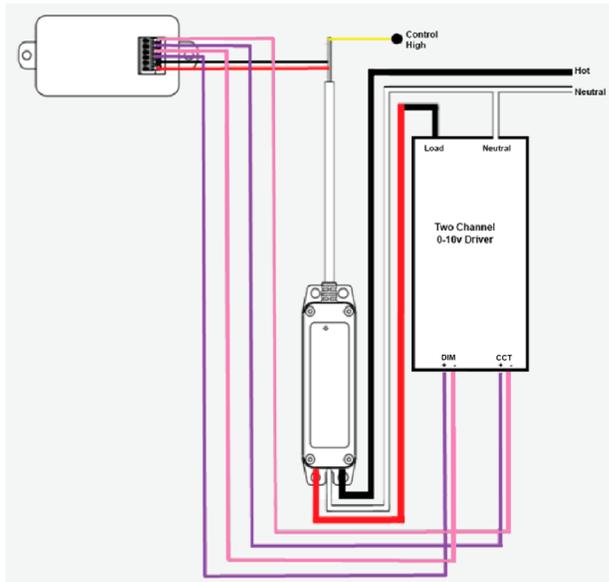


Wiring Terminations



(1) Two Channel Dimming Driver with Power Pack
WCM-100-BLE-EC-CB-CCT1

(2) One Channel Dimming Driver with Power Pack
WCM-100-EC-BLE-CB-CCT2



How to Order

Model No.	Description	Input Voltage	Output
PSC-WCM-100-BLE-CB	Wireless Fixture Controller, Casambi Wireless Mesh (no color tuning)	12-24 VDC	0-10 VDC x2 Control High
PSC-WCM-100-BLE-CB-CCT1	Wireless Fixture Controller, Casambi Wireless Mesh, Tunable White (Single Driver with Two Channel Output)	12-24 VDC	0-10 VDC x2 Control High
PSC-WCM-100-BLE-CB-CCT2	Wireless Fixture Controller, Casambi Wireless Mesh, Tunable White (Two Drivers with One Channel Output)	12-24 VDC	0-10 VDC x2 Control High
PSC-WCM-100-EC-BLE-CB	Wireless Fixture Controller, Casambi Wireless Mesh, (No Color Tuning)	12-24 VDC	0-10 VDC x2
PSC-WCM-100-EC-BLE-CB-CCT1	Wireless Fixture Controller, Casambi Wireless Mesh, Tunable White (Single Driver with Two Channel Output)	12-24 VDC	0-10 VDC x2
PSC-WCM-100-EC-BLE-CB-CCT2	Wireless Fixture Controller, Casambi Wireless Mesh, Tunable White (Two Drivers with One Channel Output)	12-24 VDC	0-10 VDC x2

For Line to Low Voltage Power Supply/Controller, please see mwConnect PacWave™ Power Pack data sheets. Design and specifications are subject to change without notice.