

# PSC-WCM-50-BLE-SR/EXA | Wireless Fixture Controller with Long Range Antenna

## Overview

- Bluetooth® SIG mesh
- 1 Channel of 0-10 Dimming
- Active High Output for Relay drive
- High-End Trim, Zoning, Continuous Dimming
- Energy Monitoring and Scheduling with optional TruBlu™ Gateway
- 5dBi, IP65 long range Antenna



Enclosure Suitable for Indoor Use Only  
Antenna IP65



## Applications

The PSC-WCM-50-BLE-SR/EXA Wireless Fixture Controller allows for one channel of 0-10 dimming, and high relay control. This device comes with a 5dBi long range antenna, IP65, 7.87 in. (200mm) in length with maximum range of 800 ft.

PSC-WCM-50-BLE-SR/EXA is controlled wirelessly via Bluetooth® Mesh technology allowing for wireless dimming of LED lighting. The compact size allows for seamless integration to the fixture.

Specifically designed for outdoor lighting, this controller with long range Bluetooth mesh antenna improves outdoor motion detection by facilitating the integration of mesh networked sensors. Users can deploy cost-effective, robust Bluetooth mesh control across outdoor applications of all sizes.

## Wireless Control Operation

**TruBlu™ Mesh Controls:** Qualified for Bluetooth Mesh 1.0.1 (SIG), the unit can pair with an iOS application to allow initial setup and subsequent adjustments. End users can program dimming levels and group multiple controllers into a Bluetooth® Mesh system for simultaneous wireless lighting control.

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

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

See the TruBlu™ Commissioning User Manual for more information.

## Accessories

**Power Pack:** The PSC-WCM-50-BLE-SR/EXA operates on 12-24 VDC input and requires a separate power pack such as the PSC-AC-PP-200/400/700C/800/900.

Alternatively, the unit can also operate with a driver that has an auxiliary output (12 V).

## Summary

Product Type:  
Wireless Fixture Controller

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

0-10V Output: 100 mA

High: Vin-2.5 V 100 mA source

Mounting:  
Fixture mount

Max Bluetooth Range<sup>1</sup>:  
800ft (240m)

Operating Temperature:  
-30° C to 70° C

Storage Temperature:  
-40° C to 85° C

Relative Humidity:  
90-95% non-condensing at 30° C

Color: White

Warranty: 5 years

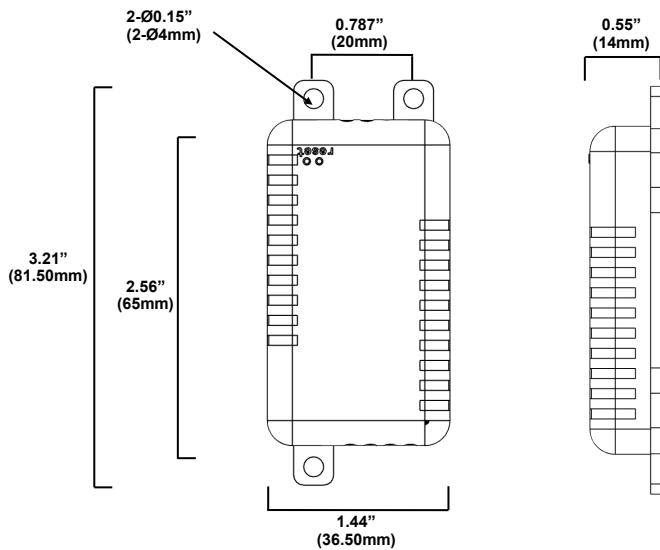
Note:  
1. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

Project

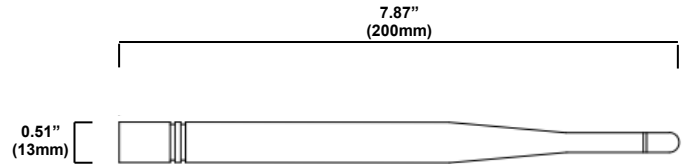
Location/Type

**Physical Dimensions**

Enclosure, Indoor Only:

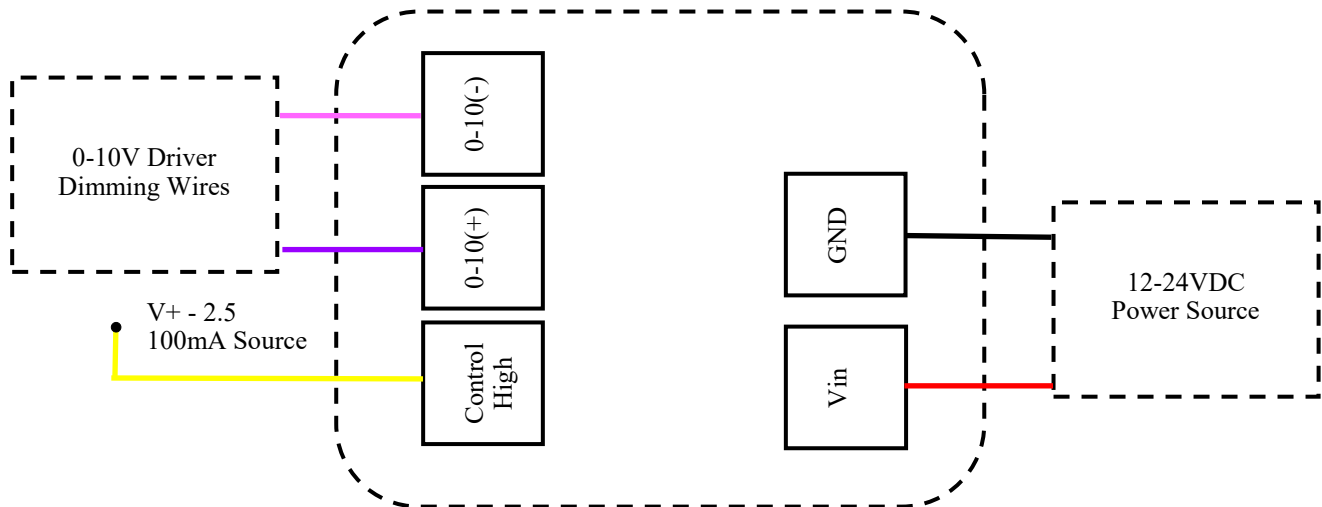


Antenna, IP 65:



Drawings are Not to Scale

**Wiring Block Diagram**



**How to Order**

Model No.	Description	Input Voltage	Output
PSC-WCM-50-BLE-SR/EXA	Fixture Controller, Single Channel, Long Range Antenna, TruBlu™ Bluetooth Mesh, Silvair technology partner	12-24VDC	Control High 0-10V Dimming

Design and specifications are subject to change without notice.