

Fixture Mounted Wireless DALI Book 20 Controller

PSC-ZBD-WCM-100-BLE-XI

Overview

Single Channel DALI Wireless Controller
Mounts to 1/2" Knockout (Light Fixture or Enclosure)
DALI Bus powered
Bluetooth® Xicato Xmesh compatible
Compact Design
Features High / Low-End Trim Adjustment, Zoning & Continuous Dimming
Commissioning using Xicato Control Panel software
DALI Zhaga D4i Certified



Applications

The PSC-ZBD-WCM-100-BLE-XI is a Single Channel DALI Zhaga Book 20 Wireless Fixture mountable Controller. The controller is designed to work with a Xicato Bluetooth Xmesh system by converting BLE based commands to the DALI protocol.

The controller mounts in a 1/2 inch knockout and secured by the included option clips or via the threaded body. The product includes a Book 20 connector-based wiring harness to ease installation.

This device is controlled wirelessly via Bluetooth® mesh technology allowing for wireless dimming of luminaires. The compact size ensures minimal installation in a luminaire or enclosure.

Accessories

The PSC-ZBD-WCM-100-BLE-XI operates on power from the DALI bus.

See the wiring table for designation of wiring tabs/slots

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 as well as gateways for easy integration with a BMS or 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.

1-Channel: The controller provides a single channel of D4i compatible DALI output for driver control.

Quick Connector: The controller is compatible with Zhaga Book 20 C22-T1A and includes a Book 20 wiring harness.

See the Xicato Controls Platform (XCP) Commissioning Manual for more information.

Specifications

Product Type:
Single Channel Wireless DALI Fixture Controller

Input Voltage | Current Consumption:
DALI Bus | 50 mA

DALI: Complies with DALI Zhaga D4i Specifications

Load Control Output: 10 to 22V DC 30mA Control Signal (Active High)

Mounting: Zhaga Book 20 C22-T1A (1/2" Knockout)

Max Bluetooth Range¹: 100ft (30.4m)

Operating Temperature: -40°F to 158°F (-40°C to 70°C)

Storage Temperature: -40°F to 185°F (-40°C to 85°C)

Relative Humidity: 90-95% non-condensing

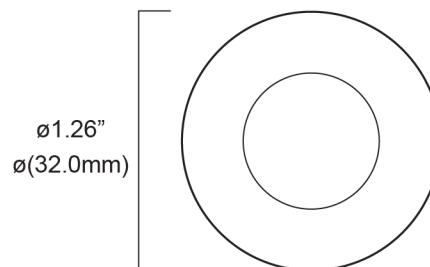
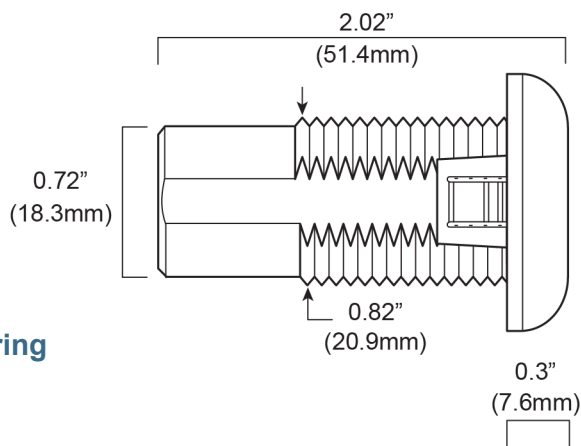
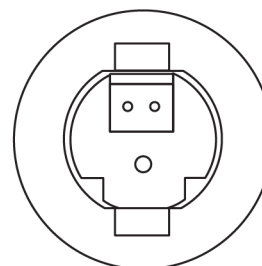
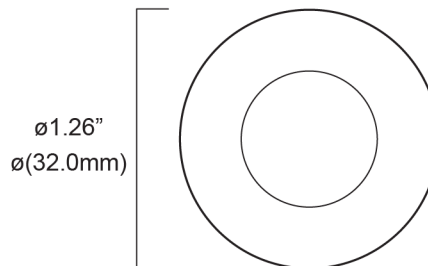
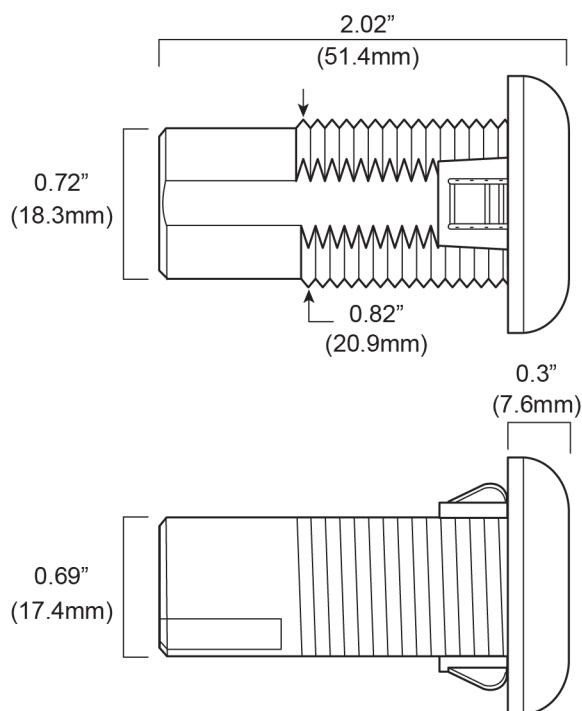
Color: White

Warranty: 5 years

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

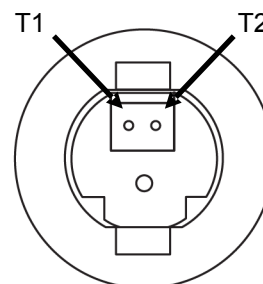
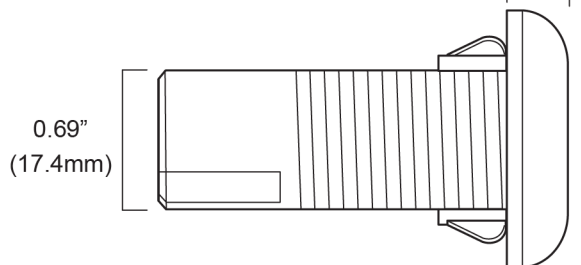
Physical Dimensions

Drawing Are Not To Scale



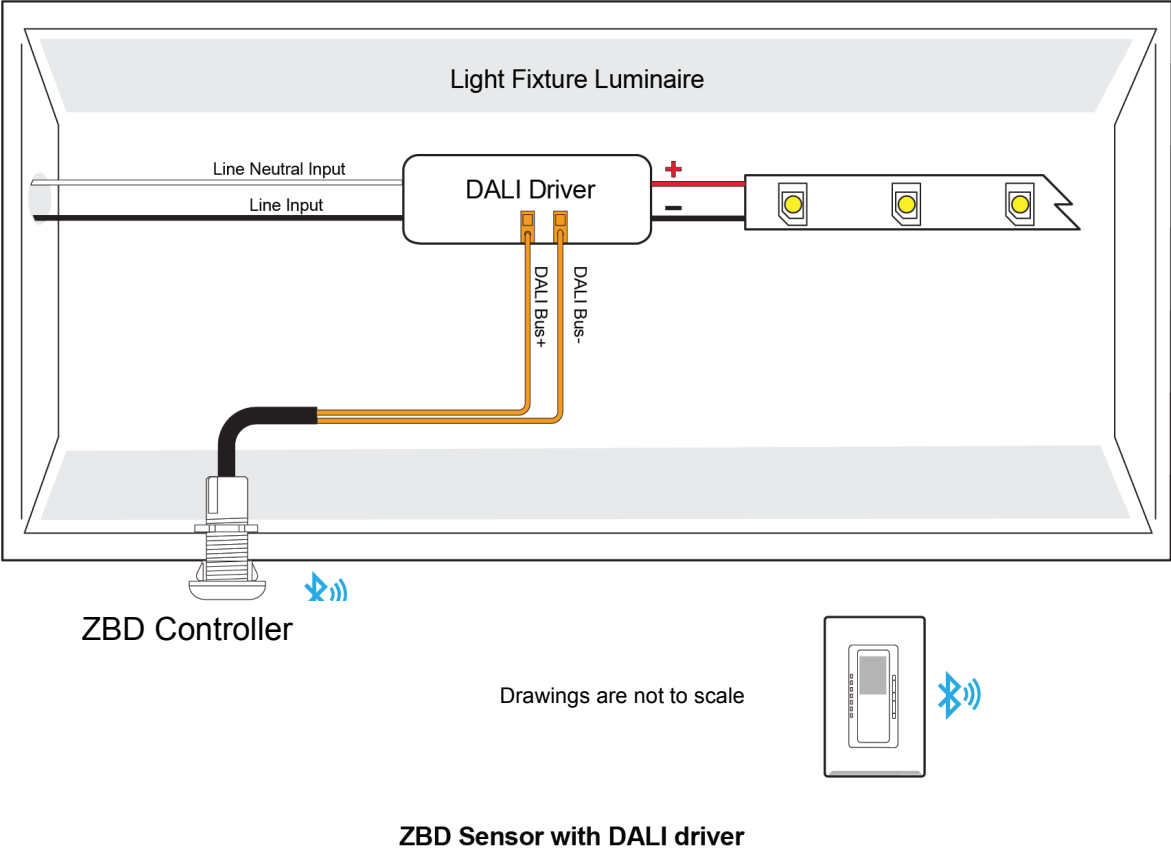
Controller Wiring

Tab/Slot
T1
T2



DALI Bus (Communication & Power) Black Wire (22AWG)

Example Application: Controller Installed with DALI Driver



How To Order

Model No.	Description	Input Voltage	Output
PSC-ZBD-WCM-100-BLE-XI	DALI Luminaire Controller, Xmes TM Technology White Finish	DALI Bus (~16VDC)	DALI

Design and specifications are subject to change without notice.