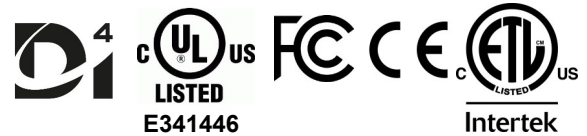


Casambi Mesh Compact DALI Wireless Controller

Overview

- DALI Wireless Controller
- Featured with a connector designed to Zhaga Book 20 specifications (Mount to 1/2" Knockout)
- Compatible with Casambi Wireless Mesh Systems
- Features High and Low-End Trim Adjustment, Zoning & Continuous Dimming
- DALI D4i Certified
- Compact Design
- ioXt Alliance Cybersecurity Certification
- Conforms to UL STD 924 and Cert. to CSA STD C22.2 No. 141 for emergency lighting



Applications

The PSC-ZBD-WCM-200-BLE-CB is a DALI D4i Wireless Fixture Controller, featured with a connector designed to Zhaga Book 20 specifications .

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

The controller communicates directly with DALI drivers and is controlled wirelessly via Casambi Mesh technology.

Accessories

The PSC-ZBD-WCM-200-BLE-CB controller operates on power from the DALI Bus. See the Wiring Table for designation of wiring tabs/slots.

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.

Control: The controller provides D4i compatible DALI output for driver control.

Quick Connector: The device is featured with a connector designed to Zhaga Book 20 specifications and includes a wiring harness.

See the mwConnect Casambi Commissioning User Manual for more information.

Summary

Product Type:
Wireless DALI Controller

Input Voltage | Current Consumption:
DALI Bus | 50 mA

DALI: Complies with DALI Zhaga D4i Specifications

Mounting: Featured with a connector designed to Zhaga Book 20 specifications (Mount to 1/2" Knockout)

Max Wireless 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

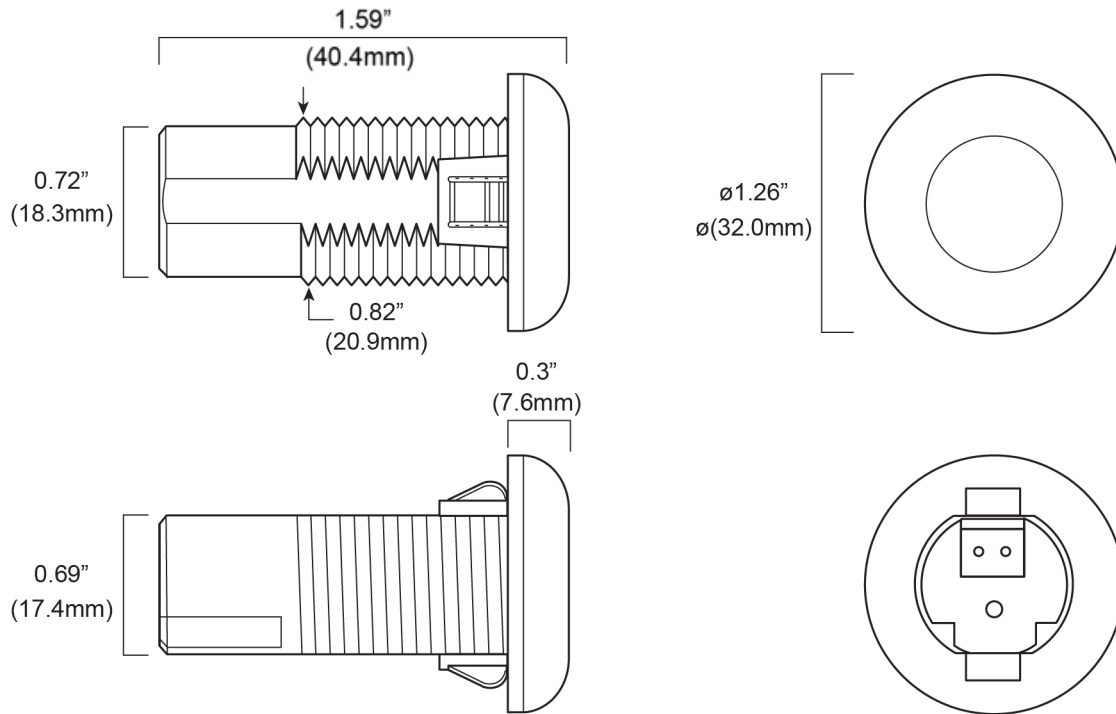
Note:

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

Project

Location/Type

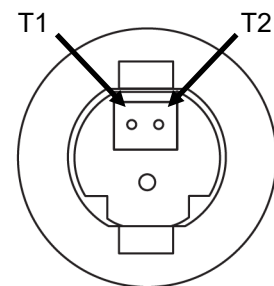
Physical Dimensions



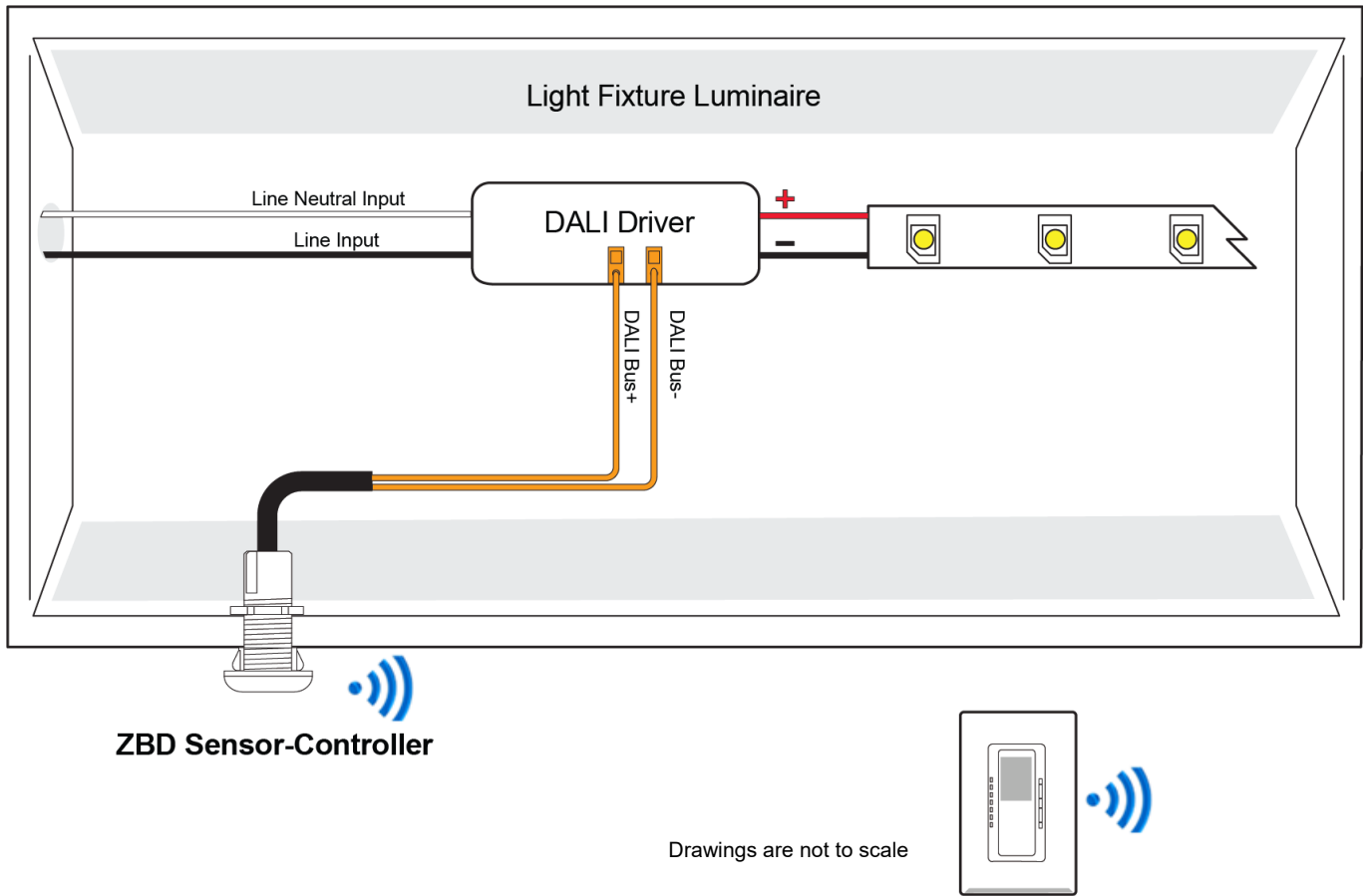
Drawing Are Not To Scale

Controller Wiring

Tab/Slot	Designation	Notes
T1	DALI Bus (Communication & Power)	Black Wire (22AWG)
T2	DALI Bus (Communication & Power)	Black Wire (22AWG)



Example Application: Controller Installed with DALI Driver



Device Profiles:

Fixture ID	Broadcast Model Name	Description
*44234	PSC-ZBD-WCM-200-BLE	Single channel dimmer using address #0
44256	PSC-ZBD-WCM-200-BLE-NPS	Single channel dimmer as emergency normal power sensor
44257	PSC-ZBD-WCM-200-BLE-EM	Single channel dimmer as emergency fixture
47092	PSC-ZBD-WCM-200-BLE(2CH)	Dual channel dimmer using address #0 and #1
47093	PSC-ZBD-WCM-200-BLE(TW-DT8)	DALI DT8 for Tunable White
47094	PSC-ZBD-WCM-200-BLE(4CH)	Four channel dimmer using address #0, 1, 2, and 3.
47095	PSC-ZBD-WCM-200-BLE(TW)	Two channel warm and cool mixer
47096	PSC-ZBD-WCM-200-BLE(BC)	DALI Broadcast dimmer. No short addressing required.
47097	PSC-ZBD-WCM-200-BLE(RGBW-DT8)	DALI DT8 for RGBW

* = default profile

How To Order

Model No.	Description	Input Voltage	Output
PSC-ZBD-WCM-200-BLE-CB	DALI Luminaire Controller, Casambi Mesh Technology White Finish	DALI Bus (~16VDC)	DALI

Design and specifications are subject to change without notice.