



Radiar ZD

DALI Zhaga Controller

Product Overview

Radiar ZD is BLE5.2 wireless 12-24VDC powered DALI controller that comes within a Zhaga book 18 form factor. This compact product has a single DALI output channel to control an LED driver. This IP65 rated plug and play device is specially designed for UFO high-bay fixtures, shoeboxes, wall packs, streetlights applications.

The Lumos Controls ecosystem comprises controllers, sensors, switches, modules, drivers, gateways, and analytical dashboards. It is listed by the Design Lights Consortium (DLC), qualifying it for energy conservation incentive programs and rebates by utility companies.

Features

- BLE 5.2 wireless communication
- 12-24VDC powered
- DALI output for controlling the LED driver
- Compact sized for easy installation
- IP65 rated for outdoor applications
- Supports Over-the-Air (OTA) firmware updates

Specifications

Electrical

Specifications	Value
Input voltage	12-24VDC
Max. Input current	30mA

Environmental

Specifications	Value
Working temperature	-20 to 60°C (-4 to 140°F)
IP rating	IP65

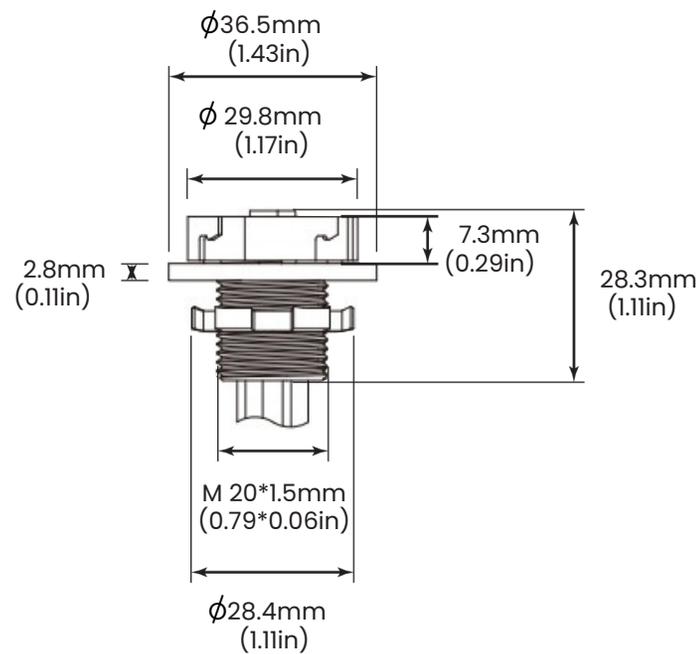
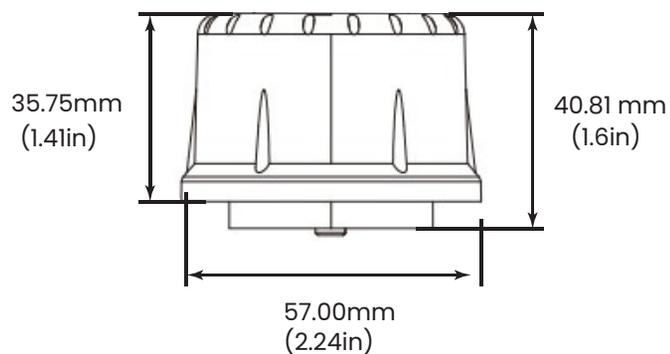
Bluetooth

Specifications	Value
Operation frequency	2.4-2.483GHz
Transmission power	15dBm
Range	10-45m (32.8 -147.6ft) depends on the environment

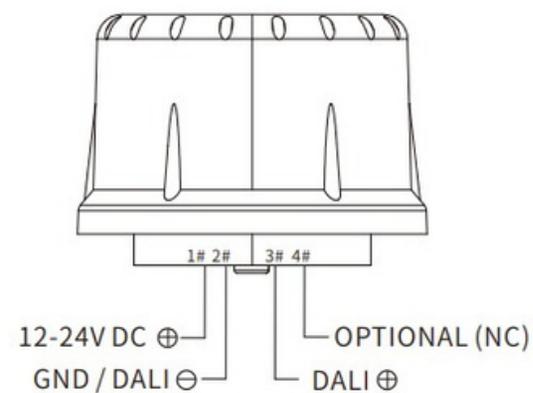
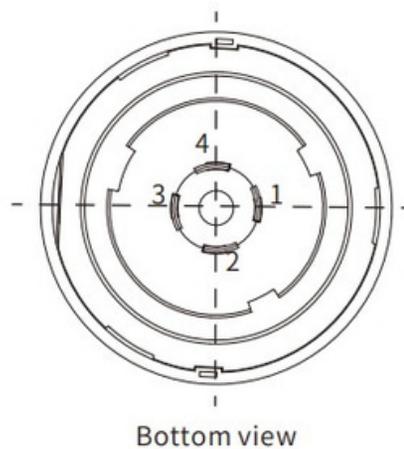
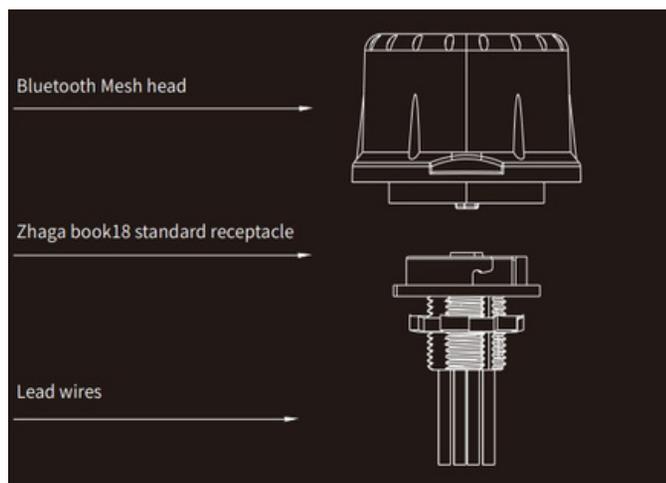
Dimming

Specifications	Value
Output channel	DALI/30mA, 0-100% range

Product Dimension



Wire Description

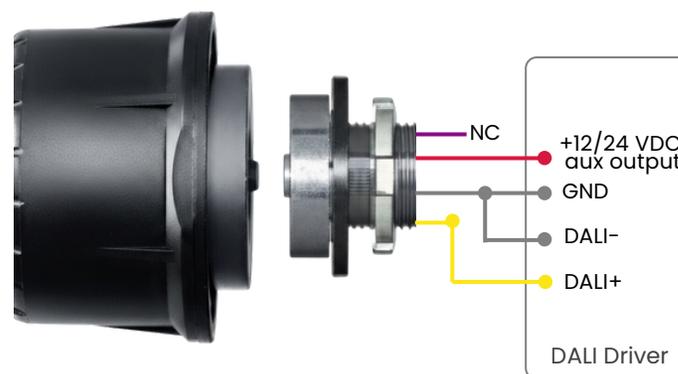


Pin	Description	Lead wire color
1	12-24VDC input	Red
2	GND/DALI-	Gray
3	DALI+	Yellow
4	No connection	Purple

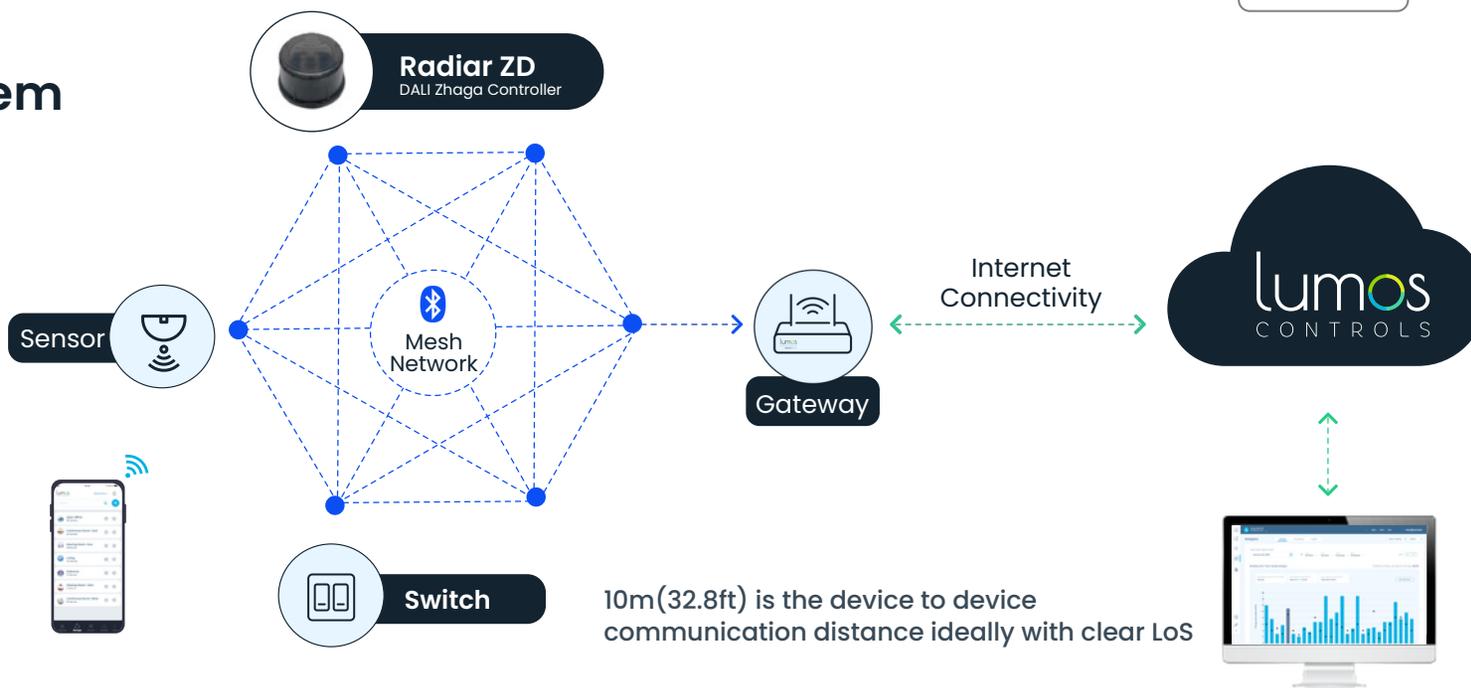
Wiring Diagram

Device can be powered using the 12-24VDC auxiliary output from the DALI D4i drivers or via other external 12-24VDC supply. DALI output channel is connected to the driver for dimming.

Note: The Zhaga DALI controller includes a built-in DALI bus power supply. Ensure that the connected DALI driver does not supply DALI bus power.



Smart Ecosystem



Ordering Information

Product Code	Product Name	Product Description	Communication	Voltage Rating
WCDDZ18	Radiar ZD	DALI Zhaga Controller	BLE5.2	12-24VDC

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