



# Radiar Z10

0-10V Zhaga Controller

## Product Overview

Radiar Z10 is BLE5.2 wireless 12-24VDC powered controller that comes within a Zhaga book 18 formfactor. This compact product has 0-10V single channel output 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.

## Specifications

### Electrical

Specifications	Value
Input voltage	12-24VDC
Input current	≥ 20mA

### Environmental

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

## Features

- BLE 5.2 strong wireless communication
- Powered from 12-24VDC auxiliary output of driver
- 0-10V single channel output for controlling the intensity of driver
- Compact sized for easy installation
- IP65 rated for outdoor applications
- Supports Over-the-Air (OTA) firmware updates

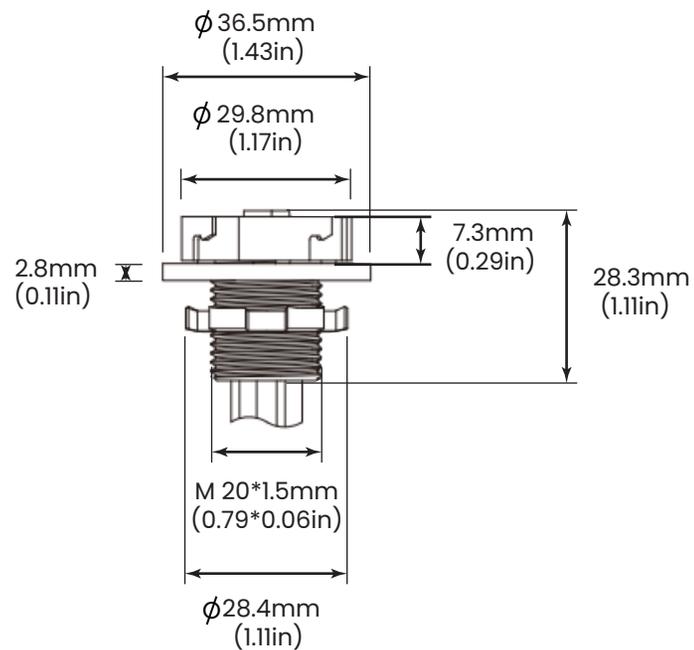
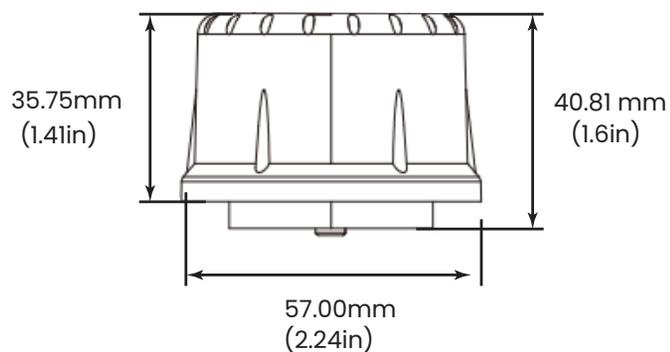
### Bluetooth

Specifications	Value
Operation frequency	2.4-2.483GHz
Transmission power	8dBm
Range	10-45m(32.8 -147.6ft) depends on the environment

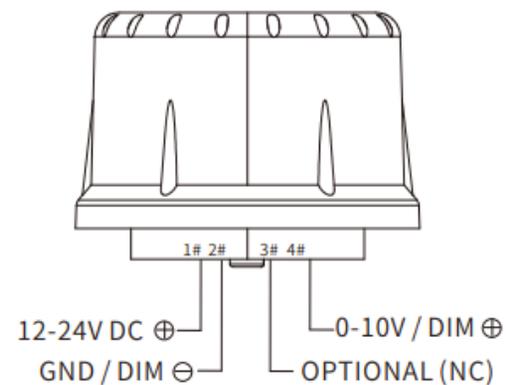
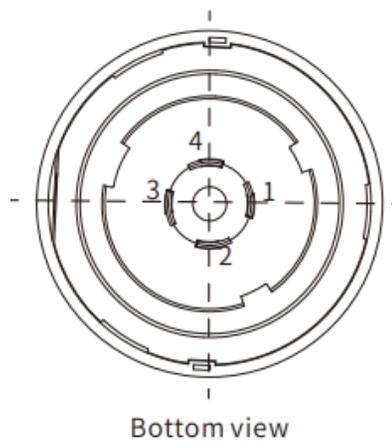
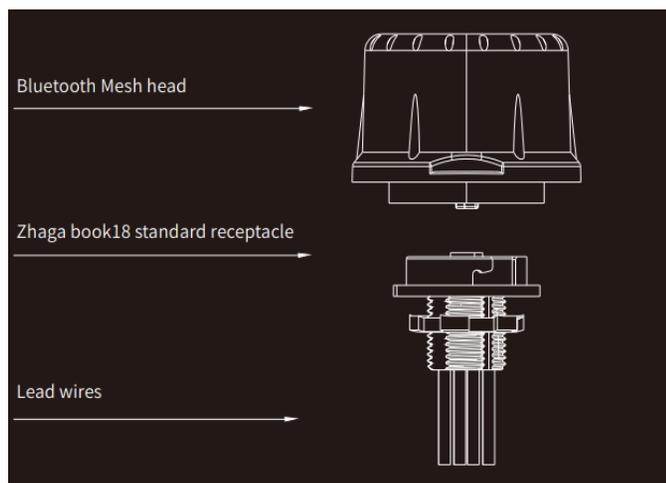
### Dimming

Specifications	Value
Output channel	0-10V/ 20mA, 0-100% rang

## Product Dimension



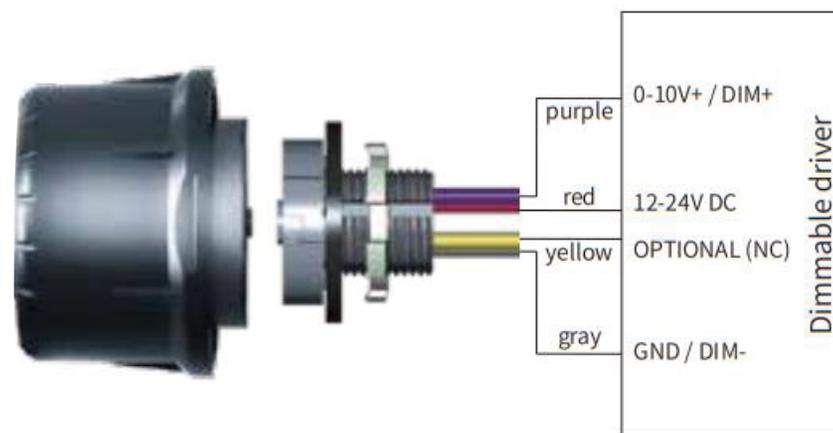
## Wire Description



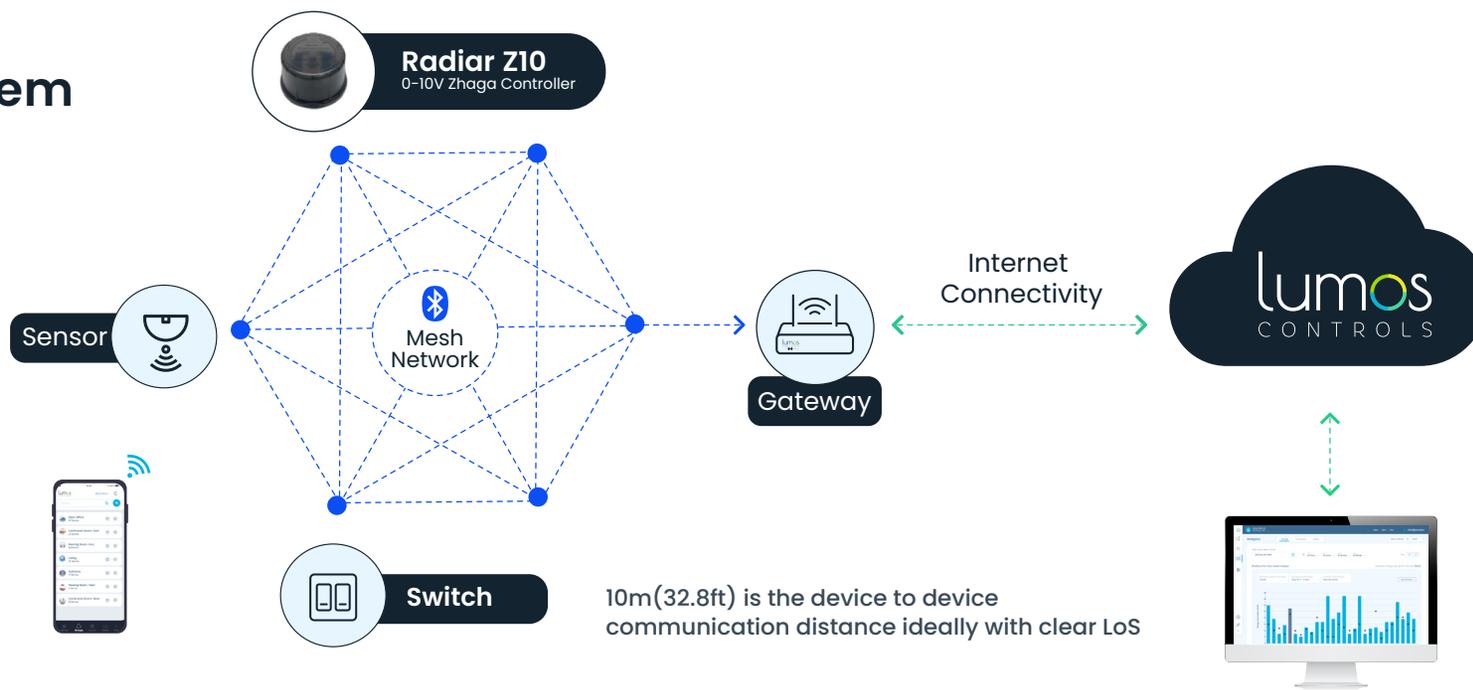
Pin	Description	Lead wire color
1	12-24VDC input	Red
2	GND/DIM-	Gray
3	No Connection	Yellow
4	0-10V DIM+	Purple

## Wiring Diagram

The product is powered from 12-24VDC auxiliary output of driver. 0-10V output channel is connected to the driver for dimming.



## Smart Ecosystem



## Ordering Information

Product Code	Product Name	Product Description	Communication	Voltage Rating
WCDCZ18	Radiar Z10	0-10V Zhaga Controller	BLE5.2	12-24VDC

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