



Radiar ZP10

0-10V Zhaga Controller with PIR Motion
and Daylight Sensing



Product Overview

Radiar ZP10 is BLE5.2 wireless multi-sensing controller that comes with a Zhaga book 18 connector. This compact product has PIR motion sensing, daylight sensing and 0-10V single channel output to control an LED driver. When powered, device acts by default as a 0-10V single channel controller.

The PIR motion sensing and daylight sensing features can be enabled from Lumos Controls mobile application based on the requirements. This IP65 rated plug and play device is specially designed for UFO high-bay fixtures, shoeboxes, wall packs, streetlights applications.

Specifications

Electrical

Specifications	Value
Input voltage	12-24VDC
Input current	≥ 8mA

Bluetooth

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

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
- PIR motion sensing for max 12m installation height, provides a max detection range upto16-18m diameter
- Ambient daylight sensing
- Compact sized for easy installation
- IP65 rated for outdoor applications
- Supports Over-the-Air (OTA) firmware update

Environmental

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

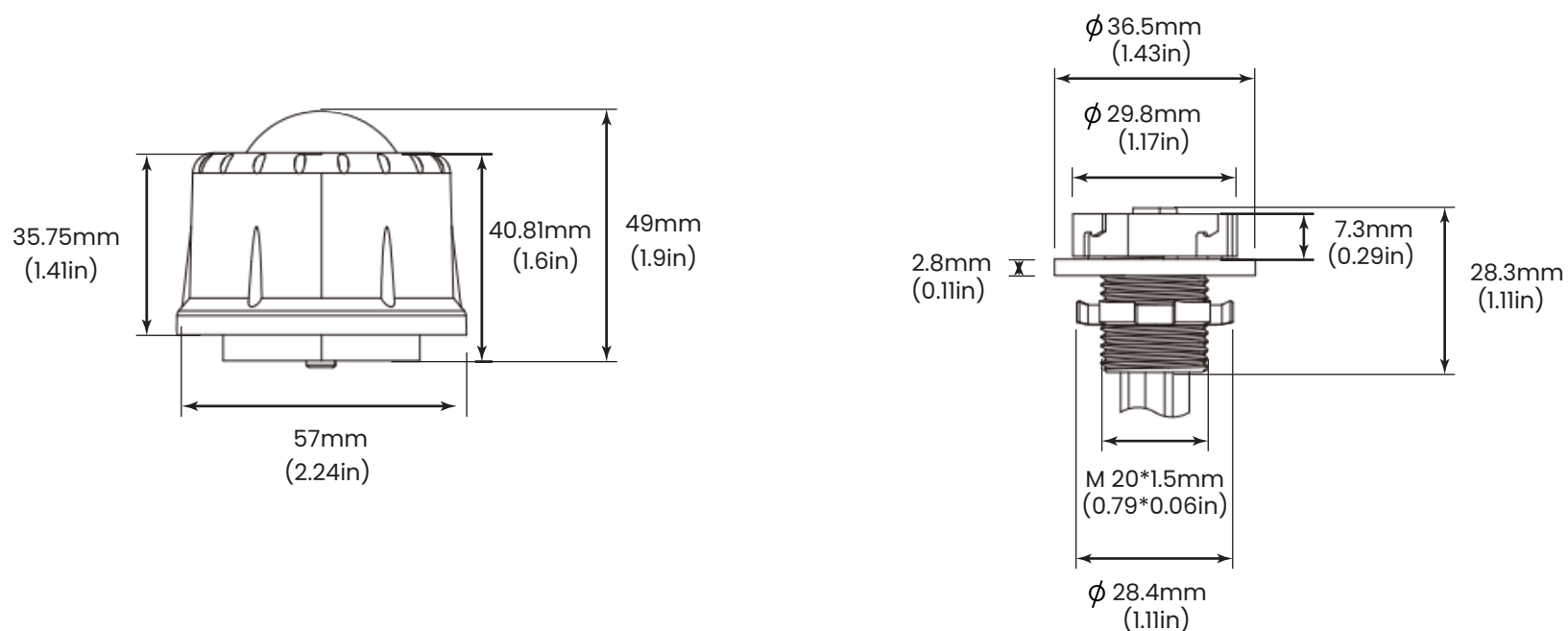
Sensor

Specifications	Value
Max installation height (for PIR sensing)	12m (39.4ft)
Max motion sensing detection range	16-18m(52-59ft) in diameter

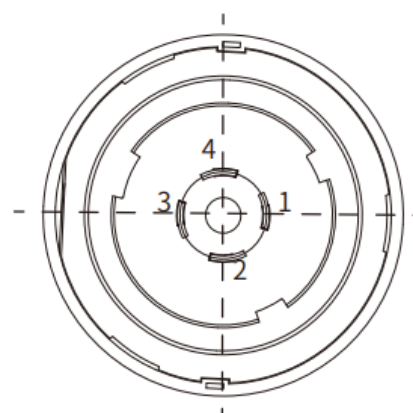
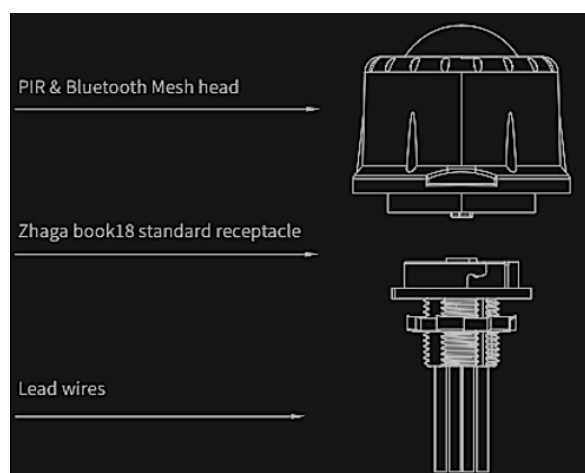
Dimming

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

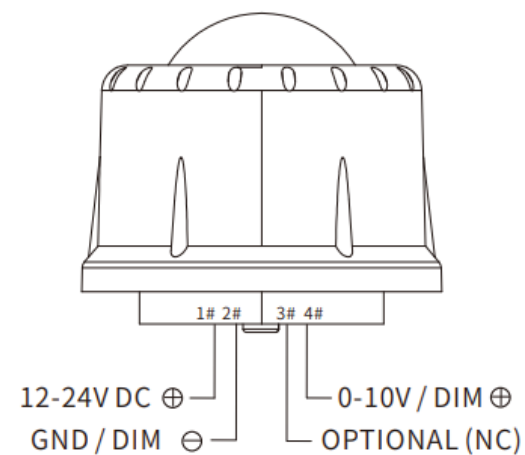
Product Dimension



Wire Description

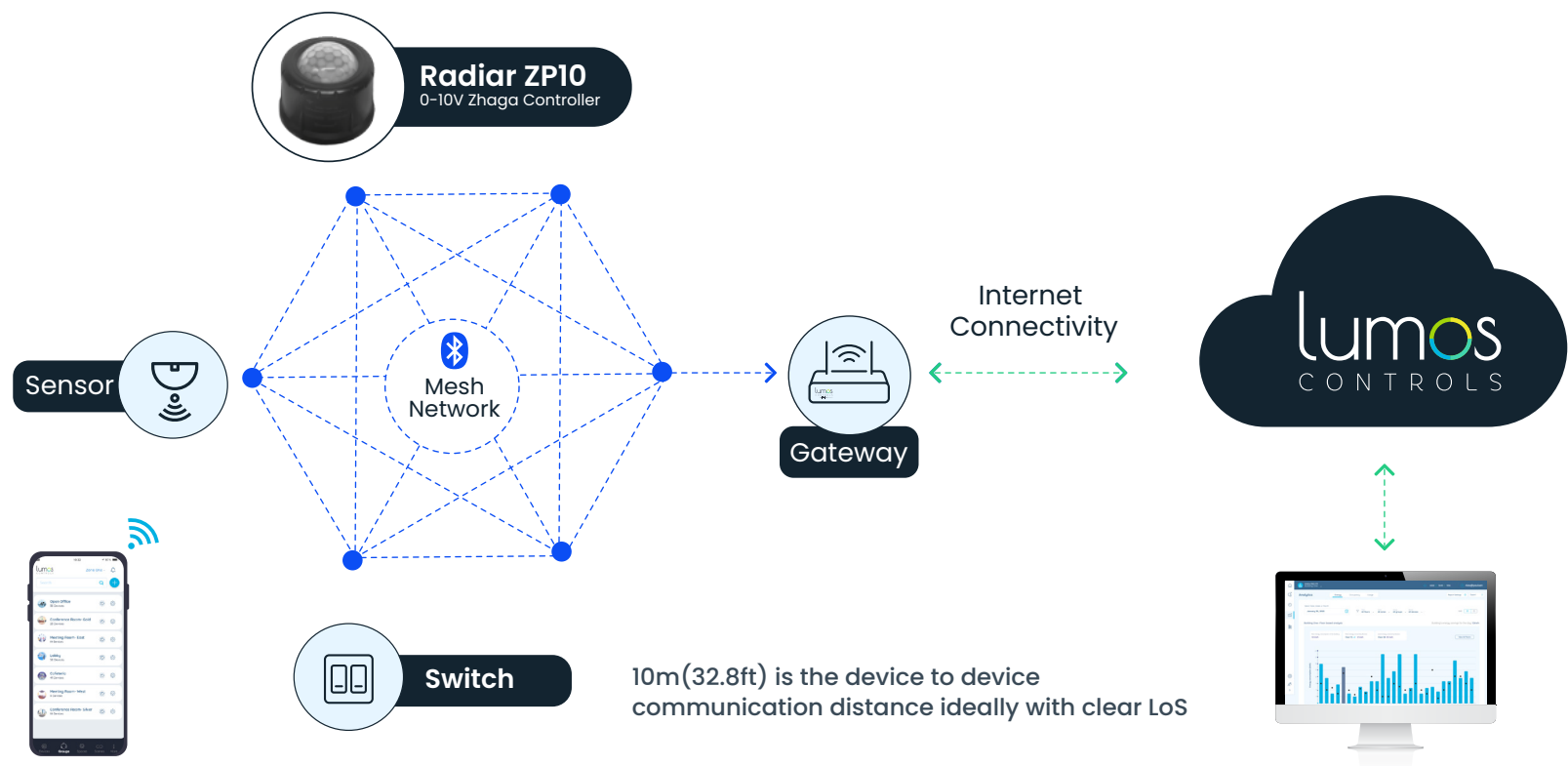


Bottom view



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

Smart Ecosystem



Ordering Information

Product Code	Product Name	Product Description	Communication	Voltage Rating	Sensor Input
WXDCPLZ18	Radoar ZP10	0-10V Zhaga Controller with PIR motion and Daylight sensing	BLE5.2	12-24VDC	Motion and Daylight Sensor

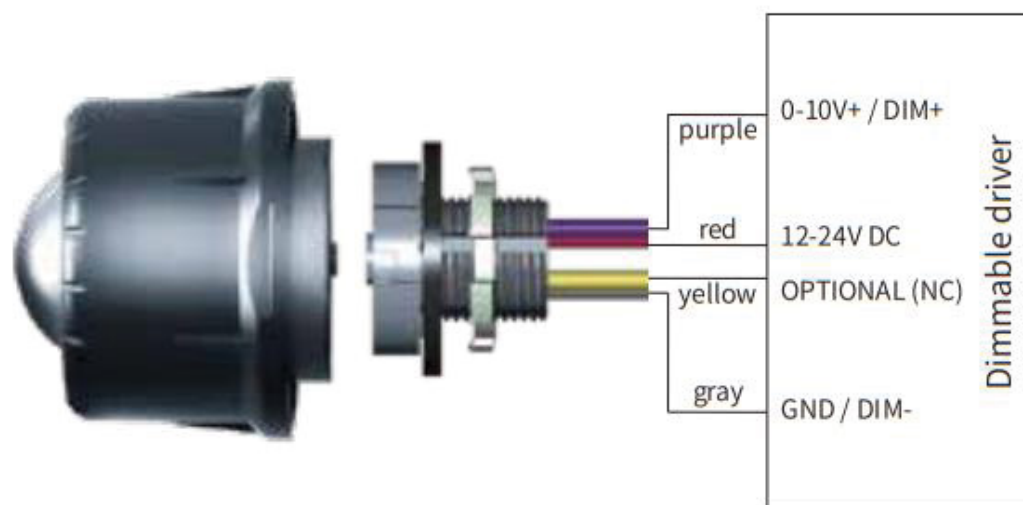
The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by WiSilica Inc. is under license. Other trademarks and trade names are those of their respective owners.



20321 Lake Forest Dr D6,
Lake Forest, CA 92630

www.lumoscontrols.com
 +1 949-397-9330

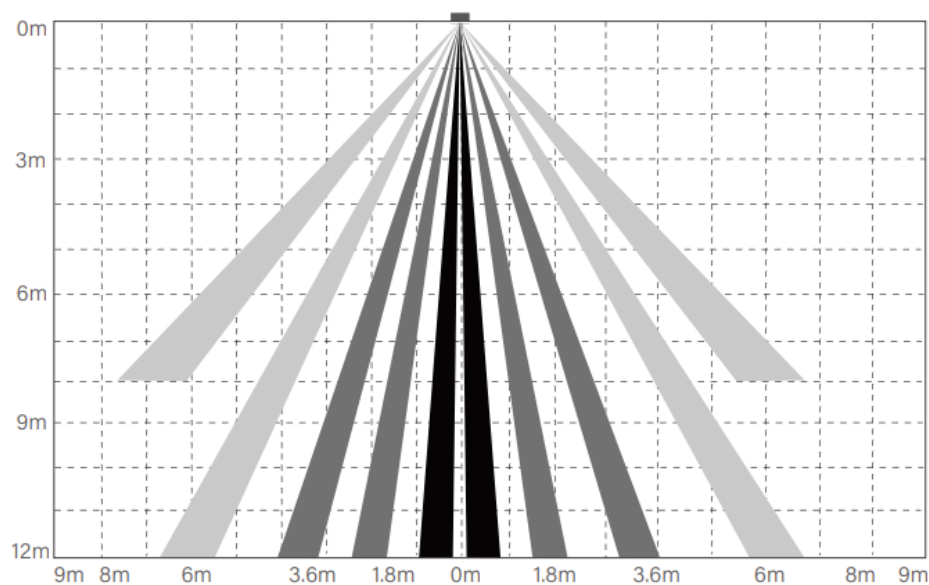
Wiring Diagram



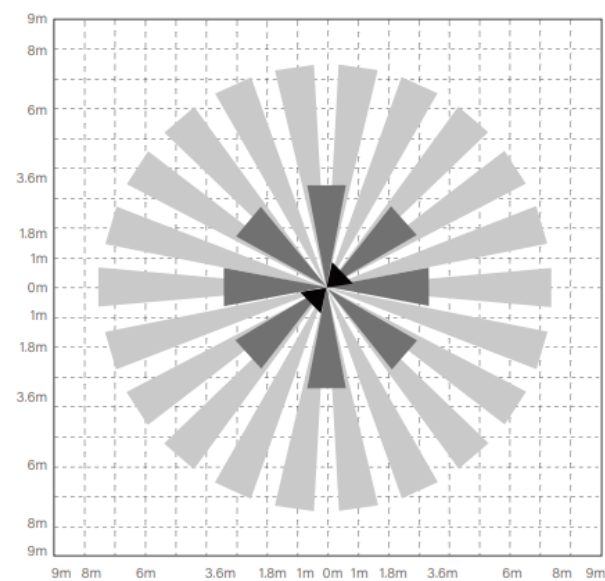
The product is powered from 12-24VDC auxiliary output of driver. 0-10V output channel is connected to the driver for dimming.

The motion sensor and daylight sensor (inactive by default) in the device can be configured and activated using Lumos Controls mobile application based on the requirement.

↓ PIR motion
detection pattern



Side view



Top view