

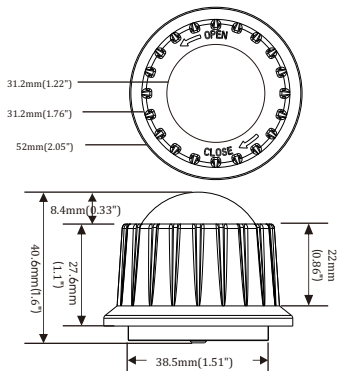
Bluetooth controller

Features



- Bluetooth Mesh wireless ad hoc network with zhaga Z10 interface;
- Double-channel 0-10V dimmable;
- PIR sensor with adjustable sensitivity;
- Light sensor to maintain constant illumination;
- Dual-light sensor, daylight harvesting or photocell function selected via App.
- IR reset;
- Remote control distance: 14m/46ft (at night) / 2m/6.5ft (during the day time)
- Sensor distance: 12m/40ft (ambient temperature: 25 °C, no heat source interference)

Technical data



Model No.: TL-ZG-BPRW-MN-24-02
 Operating voltage: DC12-24V
 Operating current: 100mA (max)
 Max. launch power: 8dBm
 Rx sensitivity: -92dB
 Weight: 35g
 IP rating: IP65
 Communication frequency: 2402~2480MHz
 Mounting height: < 40ft or 12m (Open environment)
 Photosensitive range: 10-1000Lux
 Operating temperature: -20~+60°C
 Dimension: 52mm(L) x 52mm(W) x 40.6mm (H)
 Max. communication distance: 50m (164ft)

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

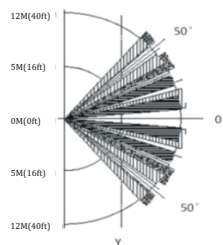
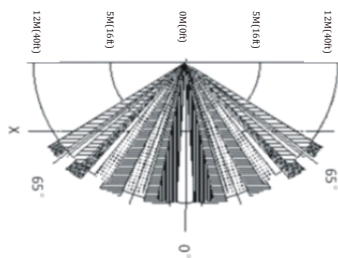
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

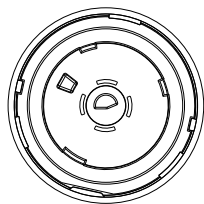
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

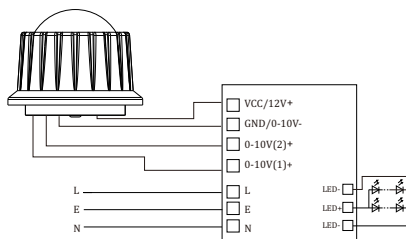
Detection coverage



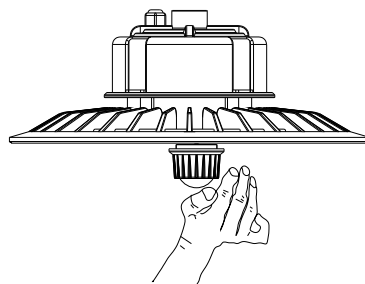
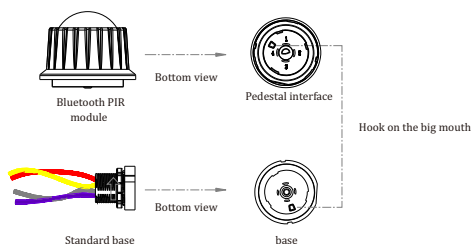
Wiring diagram



PIN1: VCC/12V+
PIN2: GND/0-10V-
PIN3: 0-10V(2)+
PIN4: 0-10V(1)+



Installation



1. Suitable for the lighting fixtures which reserved with Zhaga receptacle.
2. Match the size and position, rotated installation per drawing.
3. Do not access control signals other than 0-10V when connect Pin 3 and Pin 4 of the Zhaga sensor.

Attention

Precautions

1. Turn the power off at the circuit breaker before installing the sensor.
2. Do not allow bare wires to show; Make sure all connections are secure; Check all the gaskets for watertight fit.
3. Assemble any necessary mounting accessories.
4. Have the sensor's lens lower than edge of the fixture and keep the sensor away from heating part.
5. Do not have it at places with suddenly changed temperature, such as air conditioning outlet or airflow.
6. Do not have shelters between sensors to the presence area.



Important start-up information:

1. We reserve the right to necessarily modify any incorrect words or pictures or technical parameters.
2. Do not allow rework the sensor without permission or authorization, otherwise the contract clauses guaranteed will be invalid immediately.