# Zhaga book 18  LED PIR Fixture Mounted Smart Controller

## DC lighting controller

## TL-ZG-BPRN-MF-12-02

# Product Range

| Part No. | Input voltage | Operating current | Communication protocol | Communication frequency | Photosensitive range | Operating temperature |
|---|---|---|---|---|---|---|
| TL-ZG-BPRN-MF-12-02 | DC12V | 100mA (max) | Bluetooth Mesh | 2405-2480MHz | 10-1000Lux | -20~+60℃ |

| Max. lauch power | Rx sensitivity | Max. communication distance | Mounting height | IP rating |
|---|---|---|---|---|
| 8dBm | −92dB | 50m(164ft) | ＜12m(40ft) (Open environment) | IP65 |

**\*** Note: Do not use in large-scale metal areas or areas with strong electromagnetic waves nearby

# Features

• PIR sensor;

• Bluetooth Mesh Wireless Self-network;

• Daylight harvesting, supports High-End Trim,

　Zoning,Continuous Bi-level Dimming;

• Energy monitoring with TIOSL gateway wall switch.

• Bluetooth control single route 0-10V dimming;

• Magnet reset function;(Magnet is close to the top of

　the module for 5 seconds to achieve reset)

# Size



31.2mm(1.22")
31.2mm(1.76")
52mm(2.05")

8.4mm(0.33")
35.6mm(1.4")
22.6mm(0.89")
17mm(0.67")
38.5mm(1.51")

39mm(1.53")
29.5mm(1.16")
7mm(0.27")
2.5mm(0.01")
19.5mm(0.76")
10mm(0.4")
M20mm(0.78")

39mm(1.53")
29.5mm(1.16")

# Diagram



Bluetooth module

Alignment
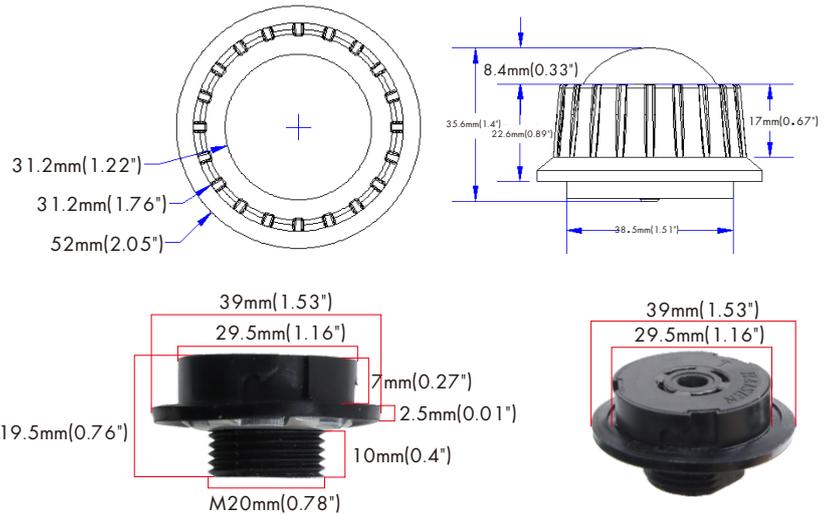
# Sensor detection angle
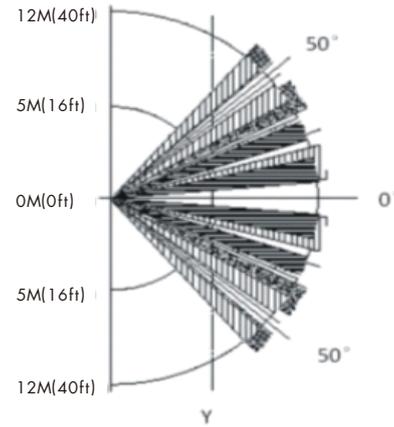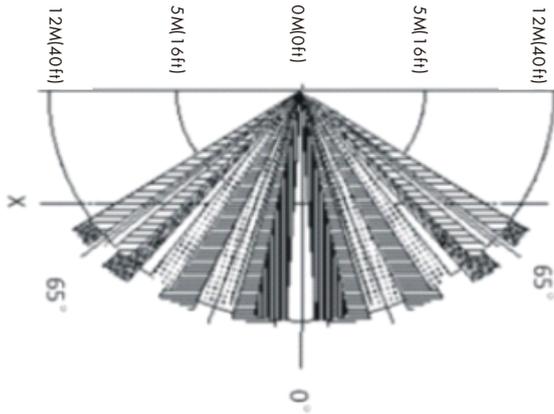




# Wiring diagram



PIN1: 12V
PIN2: GND/DIM-
PIN3: NC
PIN4: DIM+

Bluetooth microwave module

Bottom view
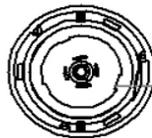
Pedestal interface

Standard base

Bottom view

base

*Hook on the big mouth

# Wiring circuit diagram



VCC/12V+
GND/DIM-
DIM+
L
E
N
L
E
N
LED+
LED-
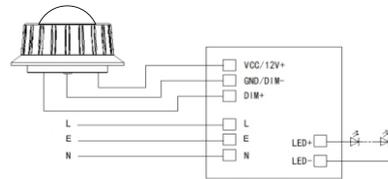
## Install the Lighting Fixtures
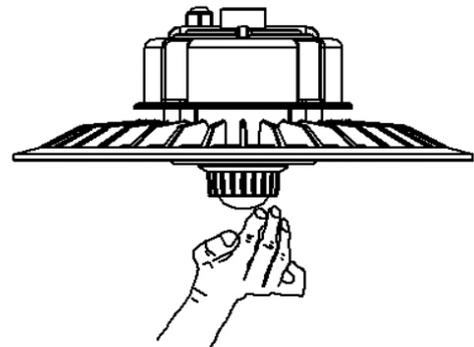


# Application

LED UFO Light

LED Linear High Bay Light

LED Lighting Fixtures with Zhaga connector

# Installation Precautions:

1. Before installing the Bluetooth module, first turn off the circuit breaker switch at the power supply.

2. Do not make the light fixture and place where the installation is moving before the lens

# Precautions

1. We reserve the necessary text and image technical parameters correction rights

2. Without license or authorization, it is not allowed to disassemble and other people as damage, otherwise the contractual

   provisions guaranteed immediate failure

3, the product should not be installed in a place where the air is suddenly changed, such as air conditioning air outlet, wind direction rotation, etc.

# APP "SL solutions"
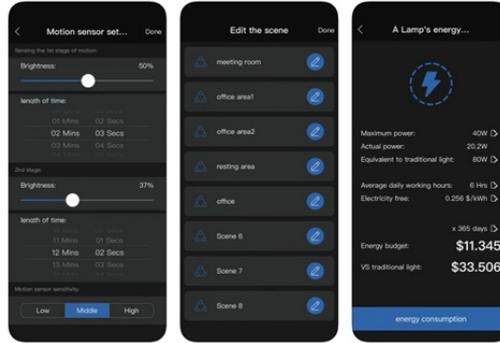
## Add sensor
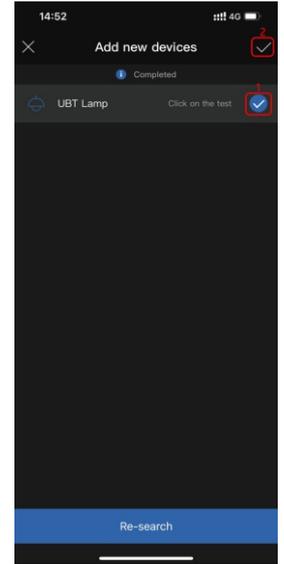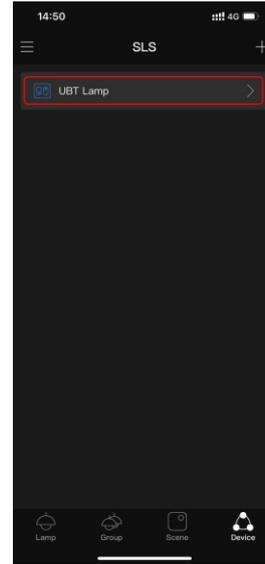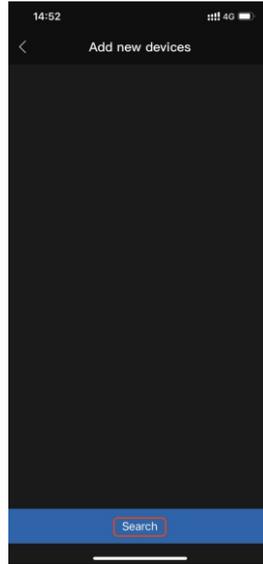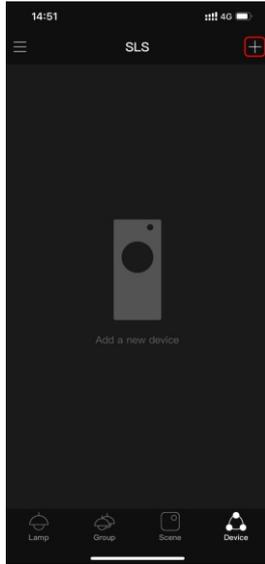


1-Click "device"
2-Click "add device"
3-Click "search"
4- Click to stop searching after searching out the device
5- After stopping the search, select the device that needs to be added
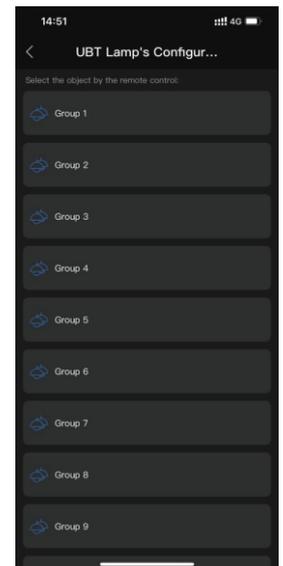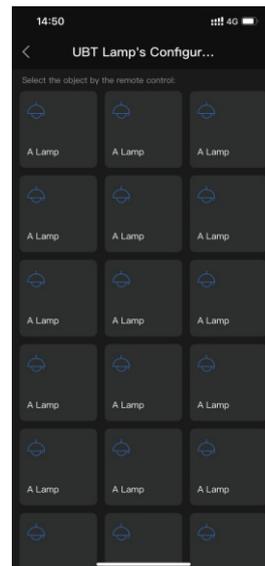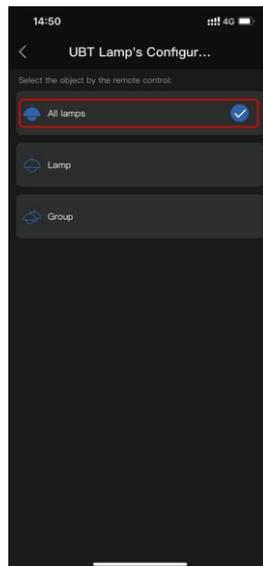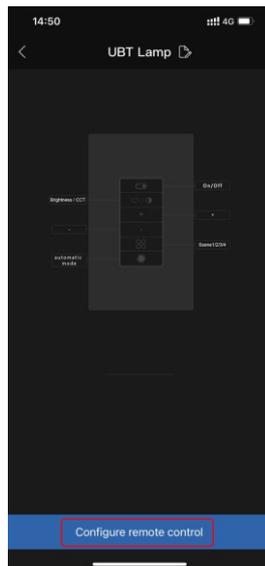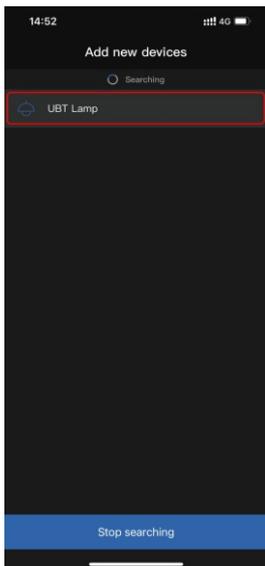


6- Click on the added device to enter the configuration page
7-Enter the binding device page
8-Select the device to be bound, which can support binding group, all devices, or single light
9-Bind a single device page,
10-Bind group page