TIOSL

Microwave LED Fixture Mounted Smart Controller

DC lighting controller

TL-BH-BMWB-MN-12-02

Product Range
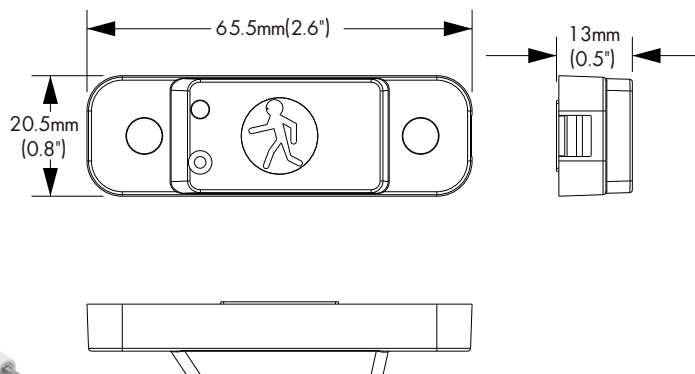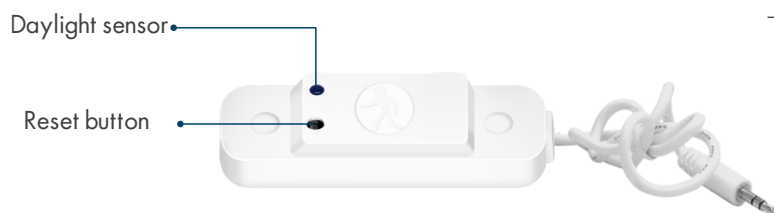
Part No.	Input voltage	Operating current	Communication protocol	Communication frequency	Photosensitive range	Operating temperature
TL-BH-BMWB-MN-12-02	DC12V	150mA (max)	Bluetooth Mesh	2405-2480MHz	10-1000Lux	-20~+60℃

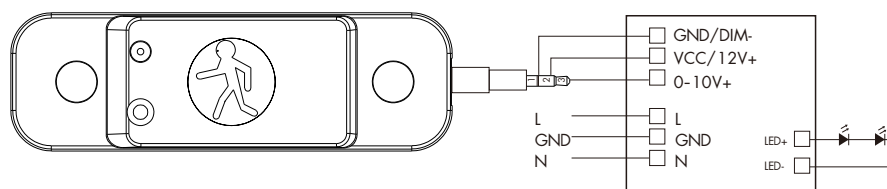| Max. lauch power	Rx sensitivity	Max. communication distance	Mounting height	IP rating
8dBm	−92dB	100m(328ft)	＜6m(20ft) (Open environment)	IP20

Features

• Connect Bluetooth Mesh wireless ad hoc network;

• Microwave sensor with adjustable sensitivity;

• Light sensor to maintain constant illumination;
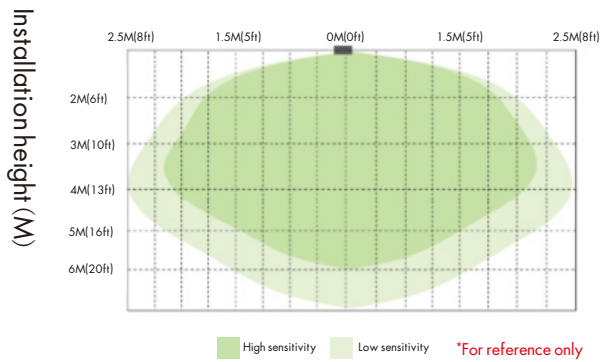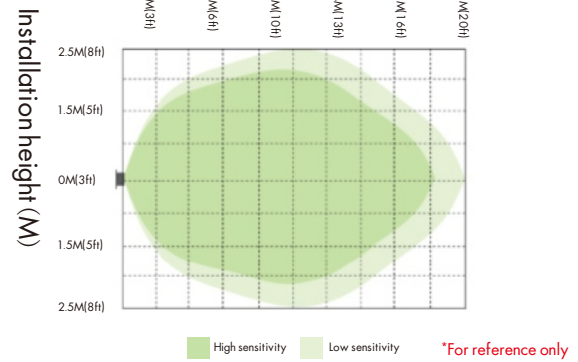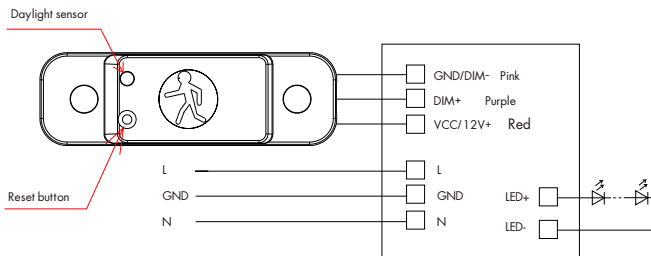
• Bluetooth control single dimming;

Size

65.5mm(2.6")

20.5mm (0.8")

13mm (0.5")

Daylight sensor

Reset button

Wiring

GND/DIM-
VCC/12V+
0-10V+

L
GND
N

L
GND
N

LED+
LED-

Sensor detection angle

Contest installation detection range map

Installation height (M)

2.5M(8ft)　　1.5M(5ft)　　0M(0ft)　　1.5M(5ft)　　2.5M(8ft)

2M(6ft)
3M(10ft)
4M(13ft)
5M(16ft)
6M(20ft)

High sensitivity　　Low sensitivity　　*For reference only

Wall installation detection range map

Installation height (M)

1M(3ft)　2M(6ft)　3M(10ft)　4M(13ft)　5M(16ft)　6M(20ft)

2.5M(8ft)
1.5M(5ft)
0M(3ft)
1.5M(5ft)
2.5M(8ft)

High sensitivity　　Low sensitivity　　*For reference only

Wiring circuit diagram

Daylight sensor

Reset button

GND/DIM-　Pink
DIM+　Purple
VCC/12V+　Red

L　　L
GND　GND
N　　N

LED+
LED-

Installation way

❶

Knock off hole

Smart converter
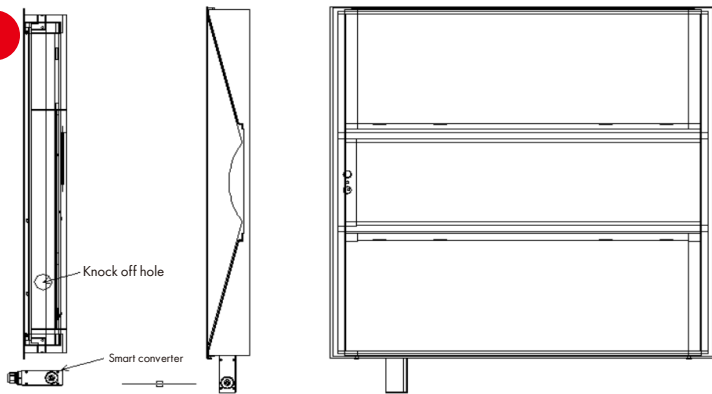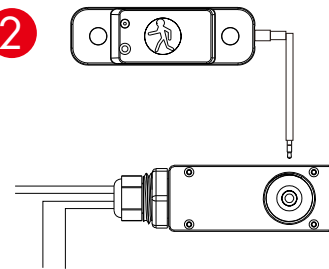
1. First, open one of the knock down holes at the power AC wiring position of the panel lamp or the torffer.
2. Install the smart converter into the knock down hole and fix it with nuts.
3. Connect the corresponding wires as shown in the document wiring diagram.
4. Install the Bluetooth module required in the place of use into the converted jack interface.
5. Please disconnect all electrical connections.

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Precautions for installation:

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

2. Please do not install lamps and places with large metal shielding front

matters needing attention

1. We reserve the right to correct the technical parameters of necessary words and pictures

2. Without permission or authorization, the product shall not be disassembled or damaged, otherwise the guaranteed contract terms
   will become invalid immediately

3. The product should not be installed in the place where the air flow will change suddenly, such as the air outlet of the air conditioner, the rotation position
   of the wind direction, etc