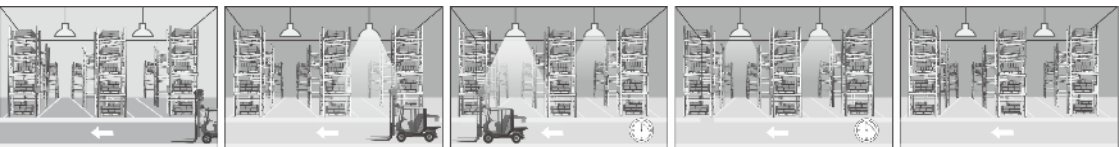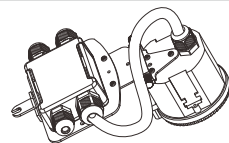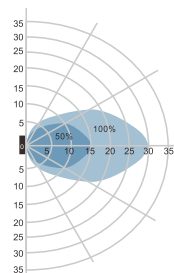# USER MANUAL

For Micro-Wave Sensor

- With 1-10v dimmable driver inside
- Achieve 3-step smart dimming function, 100%---->low light---->off.
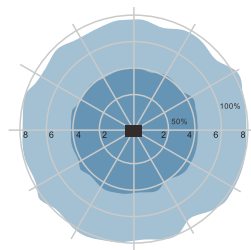- Adjustable daylight sensor

Wiring Scheme

Operating voltage	120~277Vac, 50/60Hz
Rated load	400W@120vAC, 800W@220~277Vac (Inductive) 800W@120Vac, 1200W@220~277Vac (Resistive)
Power consumption	< 1W
HF system	5.8GHz ±75MHz, ISM wave band
Transmitting power	< 0.5mW
Detection area	5-8m(@mounting height 6m)
Detection sensitivity	25%/50%/75%/100%
Hold time	5s/30s/1min/3min/5min/10min/20min/30min
Daylight sensor	5lux/15lux/30lux/50lux/100lux/150lux/disable
Stand-by period	0s/10s/1min/3min/5min/10min/30min/+∞
Stand-by DIM level	10%/20%/30%/50%
Mounting height	6-15m
Motion detection	0.5~3m/s
Detection angle	150 °(wall installation) 360 °(ceiling installation)
Operating temperature	-25℃~ 55℃
IP rating	IP65

Detection Pattern

Wall mounting pattern (Unit: m)
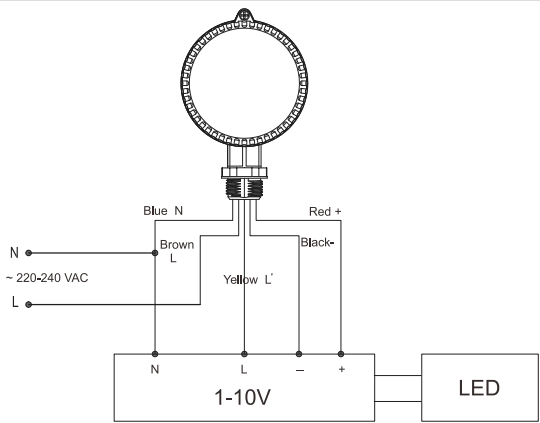
Ceiling mounting pattern (Unit: m)

⚠ Warning

- Unpack and check the product carefully.
- If there is any damage on new products, please keep the product packaging and timely reflect to us.
- Please do not attempt to use a damaged product.
- It should be installed by a qualified electrician.
- Non-professional personnel must not disassemble or maintain the lamp, or the manufacturer has the right to refuse any warranty service.

TÜV   CE   RoHS compliant   SAA   LM 79   LM 80   TM 21

Wiring Scheme

Blue N   Red +
Brown L   Black-
N
~ 220-240 VAC
L
Yellow L'

N   L   —   +
1-10V   LED

For DIP Switch

By selecting the conbination on the DIP switch, sensor data can be precisely set for each specific application

ON		1	
I	ON		100%
II	—		50%

Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

ON   DIP   ON   DIP
1 2 3 4   1 2 3 4 5 6 7 8 9

ON		2	3	4	
I	ON	ON	ON	5S
II	—	ON	ON	30s
III	ON	—	ON	90s
IV	—	—	ON	3min
V	ON	ON	—	20min
VI	—	—	—	30min

Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

ON		1	2	3	
I	ON	ON	ON	0S
II	—	ON	ON	1min
III	ON	—	ON	3min
IV	—	—	ON	10min
V	ON	ON	—	30min
VI	—	—	—	+∞

Stand-by period

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to Disable mode, the low light is maintained until motion is detected.

ON		4	5	
I	ON	ON	10%
II	ON	—	20%
III	—	ON	30%
IV	—	—	50%

Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

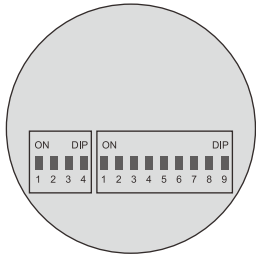| ON		6	7	8	9	
I	ON	ON	ON	ON	5Lux
II	—	ON	ON	ON	15Lux
III	ON	—	ON	ON	30Lux
IV	—	—	ON	ON	50Lux
V	ON	ON	—	ON	100Lux
VI	ON	ON	ON	—	150Lux
VII	—	—	—	—	Disable

Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.
When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.
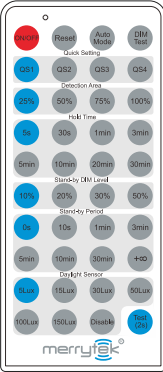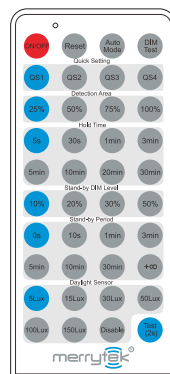Note that daylight sensor is active only when lamp totally switches off.

USER MANUAL

Use remote controller to re-adjust the program

Button	Function	Remarks	
ON/OFF	constant ON/OFF	Press the "ON/OFF" button, the light goes to constant on or constant off mode, sensor isdisabled. Press " Reset " or " Auto Mode" button to quit from this mode	
Reset	Reset	Press " Reset "button, all parameters can be set via DIP switch.	
Auto Mode	Sensor Mode	Press "Auto Mode" button, t he sensor starts to work and all parameter setting will be remained the same as the previous status before the light was switched on/off.	
DIM Test	Dim test	Press "DIM Test" button, the 1-10Vdc dimming interface will be dimming automatically according to the dimming level you want ,after 2s, the parameters of the sensor will be returned to the latest settings.	
Test (2s)	Test Mode	The button "Test(2s)"is for testing purpose only. The sensor will go to test mode: Detection sensitivity: 100% Hold time: 2sec Stand-by period:0s Daylight sensor: Disable *This mode can be quit by pressing"reset"or any button on the remote control. The sensor setting is changed accordingly.	

Scene Mode

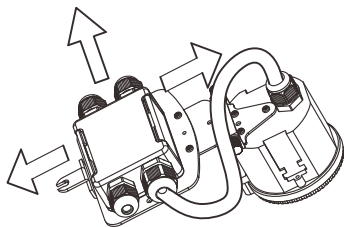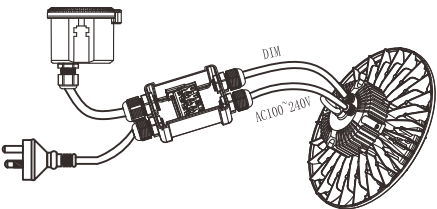| Scene options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor
QS1	100%	30s	1min	10%	5Lux
QS2	100%	1min	3min	10%	10Lux
QS3	100%	5min	10min	10%	30Lux
QS4	100%	10min	30min	10%	Disable

Note: Detection area/ hold time/ stand-by period/ stand-by dim level/ daylight sensor can be adjust by pressing corresponding button. The latest setting stays in validity.
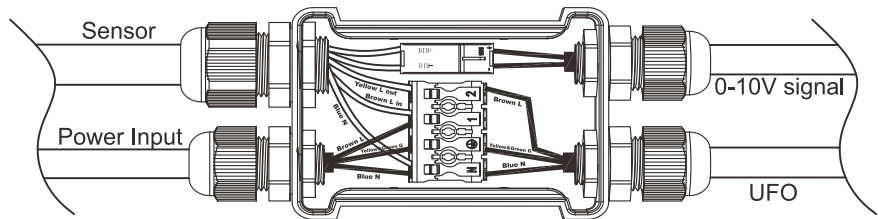
Remote control buttons:
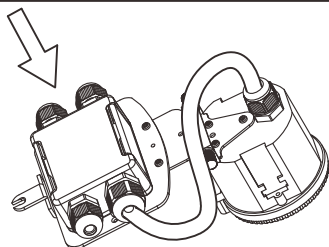ON/OFF, Reset, Auto Mode, DIM Test
Quick Setting: QS1, QS2, QS3, QS4
Detection Area: 25%, 50%, 75%, 100%
Hold Time: 5s, 30s, 1min, 3min, 5min, 10min, 20min, 30min
Stand-by DIM Level: 10%, 20%, 30%, 50%
Stand-by Period: 0s, 10s, 1min, 3min, 5min, 10min, 30min, +∞
Daylight Sensor: 2Lux, 15Lux, 30Lux, 50Lux, 100Lux, 150Lux, Disable, Test (2s)

merrytek

USER MANUAL

Installation

Open the cover of the junction box
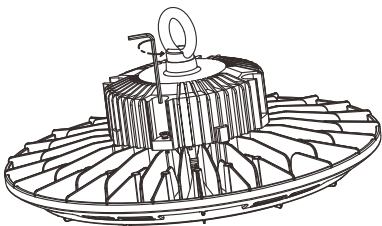

Put cables of UFO into the junction box
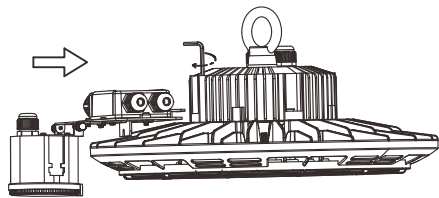

Sensor

Power Input

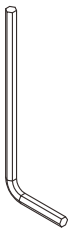0-10V signal

UFO

Fix the cables into connectors

Close the junction box

Loosen one of the screws on UFO

Plug in the sensor plate and tighten the screw

Tool Used

TÜV · CE · RoHS compliant · SAA · LM 79 · LM 80 · TM 21