

SET-UP INSTRUCTIONS



5.8GHz Microwave

MOTION SENSOR

WP18W-CC-MS

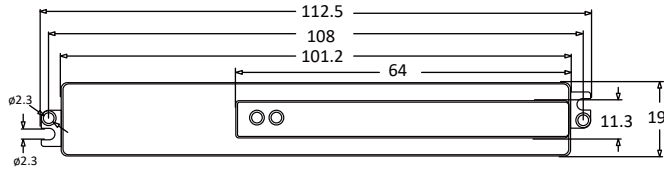
WP36W-CC-MS

WP36W-CC-E-MS

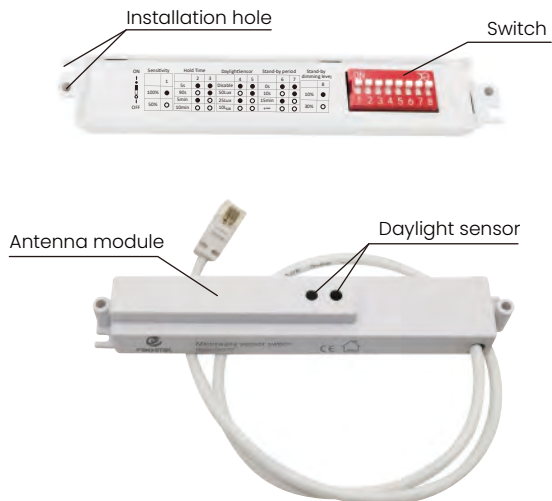
Features

- Linear configuration antenna (only 11mm width), suitable for build in linear lighting fixture.
- Tri-level dimming control.
- Dual-PD technology, automatic lux on and lux off function.
- Optional detection range, hold time and daylight threshold.
- 5 years warranty.

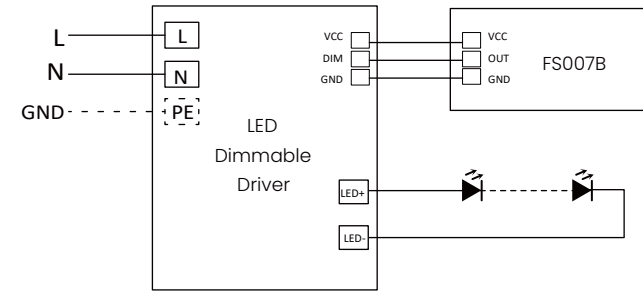
Dimensions (Unit: mm)



Mechanical Structure

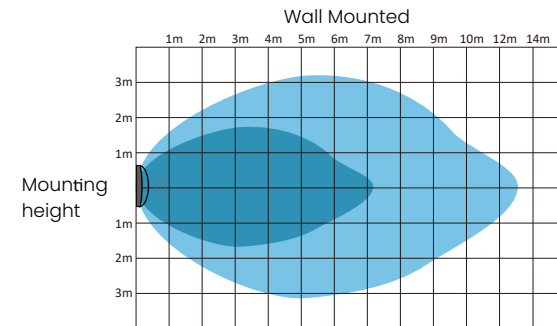
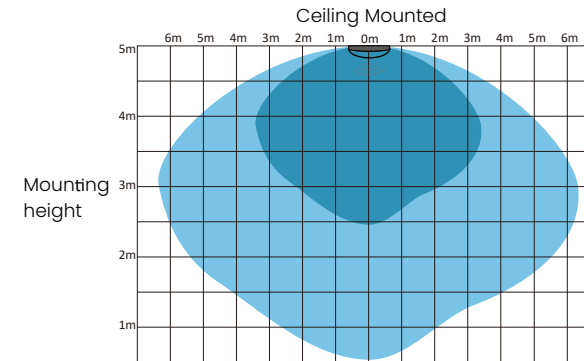


Wiring Diagram



Detection Coverage

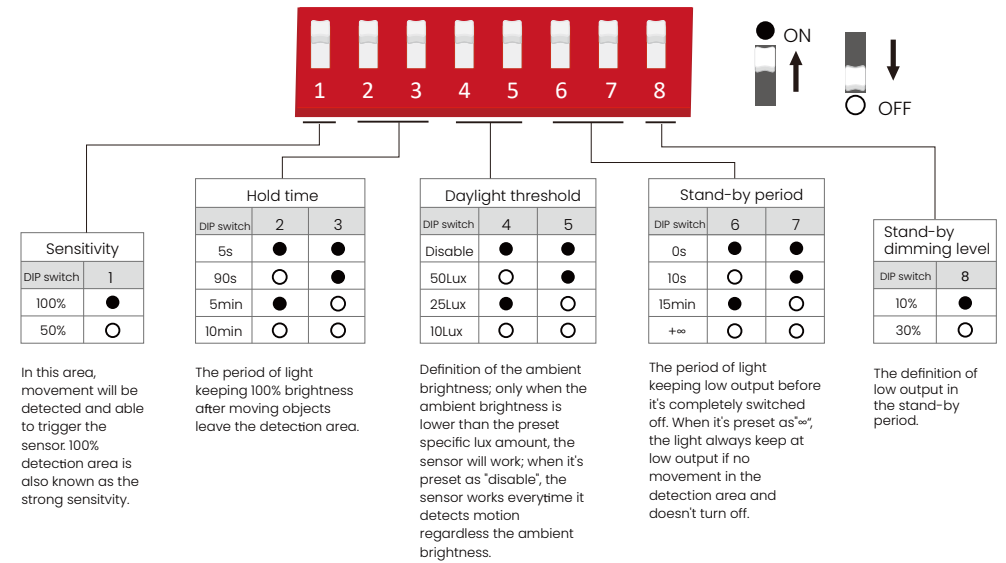
Detection area: **50%** **100%**



Technical Data

Input	Operating voltage	12VDC
	Operating current	40mA
	Stand-by power	≤0.5W
Output	Output	5V PWM
Sensor Parameters	Microwave frequency	5.8GHz±75MHz
	Microwave power	<0.3mW
	Sensitivity	100%/50%
	Hold time	5s/90s/5min/10min
	Daylight threshold	10Lux/25Lux/50Lux/Disable
	Stand-by period	0s/10s/15min/+∞
	Stand-by dimming level	10%/30%
	Mounting height	Max.5m (ceiling mounted); 1.5-1.8m (Wall Mounted)
	Detection range	Radius: Max.6m (ceiling mounted); Max.10m (Wall Mounted 1.8)
	Operating temperature	-25°C~+60°C
Note	External wire length	500mm
	IP rating	IP20
	Size (L*W*H)	112.5*19*15 mm
	Warranty	5 years
Other		

Settings



Daylight Priority

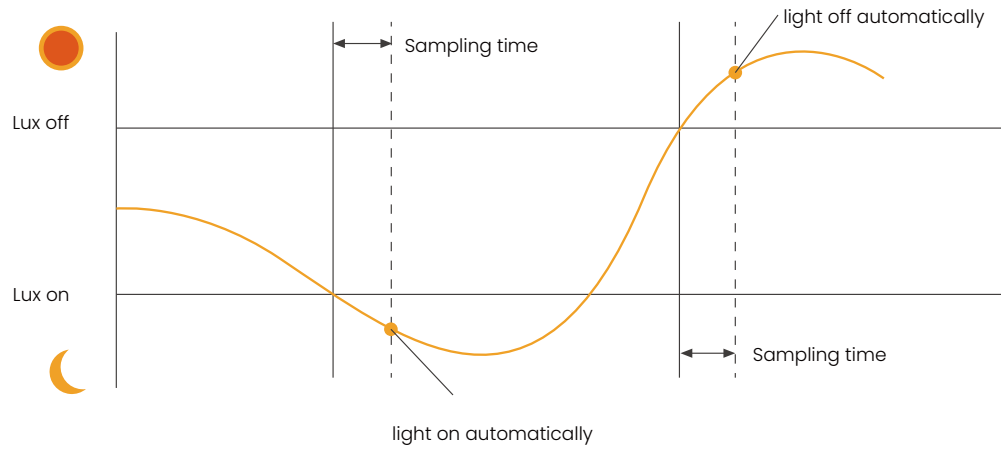
Thanks to the Dual-PD technology, the sensor can tell the difference between natural light and artificial LED light.

The sensor will turn on your light fixtures when the ambient light is lower than the setting value, even if no motion was detected. When the ambient light is up to the setting value, the sensor will switch off the light fixtures even if there is still motion.

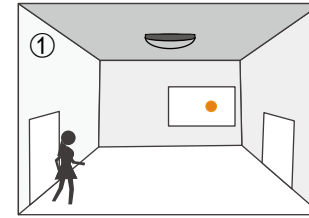
Note: Lux-Off sampling time--30s;

Lux-Off sampling time--10s;

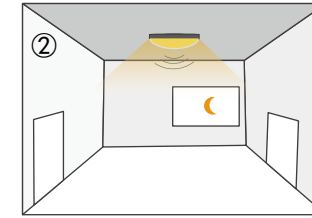
Lux-On function takes effect only when stand-by dimming period set at +∞.



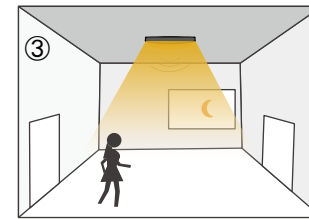
Application Daylight Priority



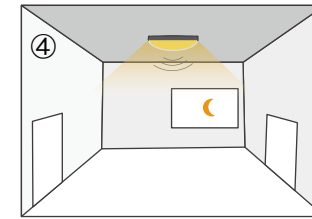
With sufficient daylight, even when motion detected, light remains OFF.



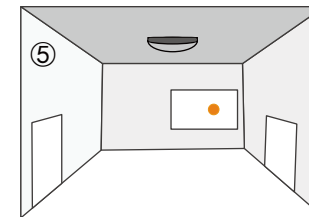
Light automatically on when ambient brightness is lower than preset lux level.



With insufficient ambient brightness, light dims to 100% when motion detected.



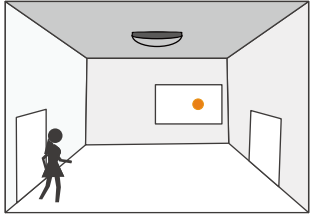
Light dims to stand-by level if no motion detected after hold time.



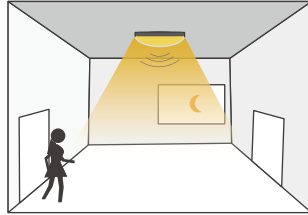
Light off when ambient lux level is higher than preset lux amount.

Automatically ON/OFF function

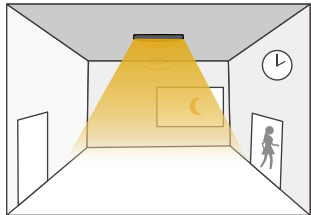
The sensitivity is set to 10Lux/25Lux/50Lux, Stand-by period is set to "0s".



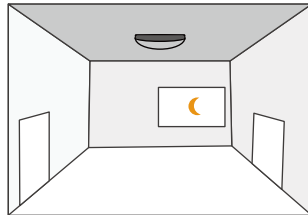
With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



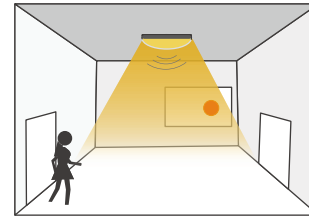
After people leave the detection area, light remains 100% brightness within hold time.



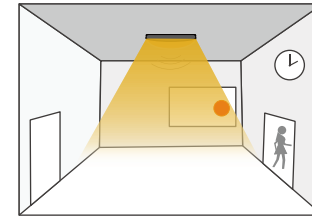
After the last detection and the preset hold time elapsed, light OFF.

No daylight function

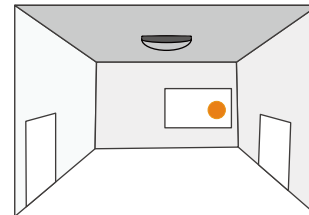
The sensitivity is set to "Disable". Light on when detect movement, After people leave, Light off after stand-by period.



When motion is detected, the sensor will switch on the light to 100% brightness.



After people leave the detection area, light remains 100% brightness within hold time.

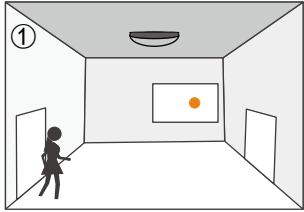


After the last detection and the present hold time elapsed, light OFF.

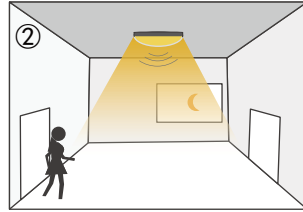
Application

Function Demo - Dimmable control/Corridor function

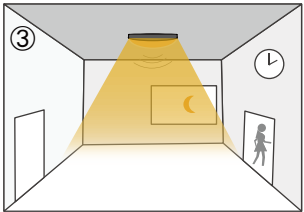
The sensitivity is set to "10Lux/25Lux/50Lux, stand-by period is set to "10s/15min".



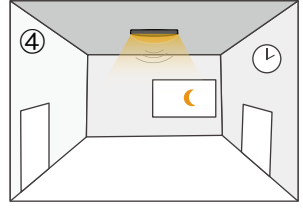
With sufficient daylight, even when motion detected, light remains OFF.



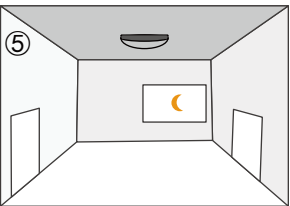
With insufficient daylight, when motion detected, light ON.



After people leave the detection area, light remains 100% brightness within hold time.



After last detection, the light will be dimmed down to the stand-by dimming level 10%/30% after hold time.



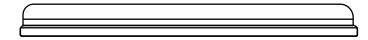
After the stand-by period, light OFF.

Applications

- Train station, Airport, etc.
- Industrial Lighting: Factory, Warehouse etc.
- Commercial Lighting: Office, Supermarket, etc.
- Public Lighting: Residence, Hospital, School, Metro station



Ceiling Lamp / Bulkhead



Linear Light / Led Triproof Light



Warehouse



Parking



Corridor

Installation Precautions

- Wiring must be strictly in accordance with the wiring diagram to avoid short circuit.
- The detected surface cannot be shielded by metal objects.
- Microwave sensor can be installed in any lamp except the one with full metal shell.
- Should be kept away from the driver to avoid interference generation and lamp flashing.
- Shall not be installed next to large operating machines such as ventilator/ceiling fan to avoid false triggering caused by machine vibration.
- Suitable for indoor installation to avoid false triggering due to external factors such as rain, wind or tree swing.