LED LITE™
Energy Saving LED

GUARANTEED
5 YEAR
LONG LAMP LIFE

LTMS — Microwave Sensor with Corridor Function Add On Module

This microwave sensor with PWM output ensures smart and efficient lighting control. It detects motion reliably, even through walls, glass, or thin materials, and offers adjustable range, time delay, and daylight sensitivity. Ideal for energy-saving systems, it seamlessly integrates with dimmable LEDs, ensures optimal efficiency by activating lighting only when needed, reducing energy consumption and extending the lifespan of connected devices.
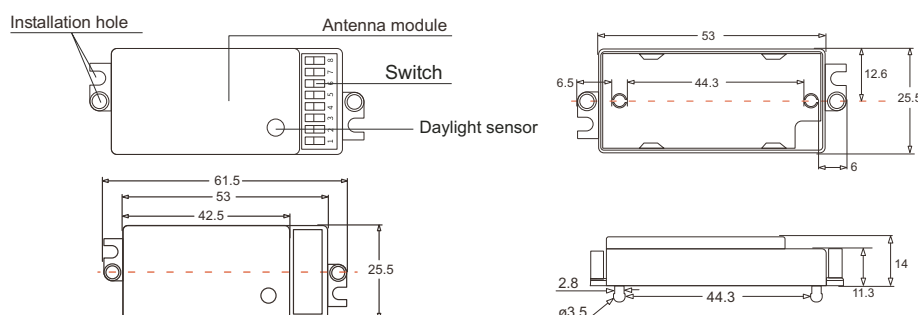
The corridor function with 10% & 30% step dimming provides continuous low-level illumination for safety and convenience, increasing brightness only when motion is detected.

Compatible with: Polo LTPCCT, Galaxy LTG1CCT, Galaxy LTG2CCT and LTDCB18CCT Die-Cast Bulkhead
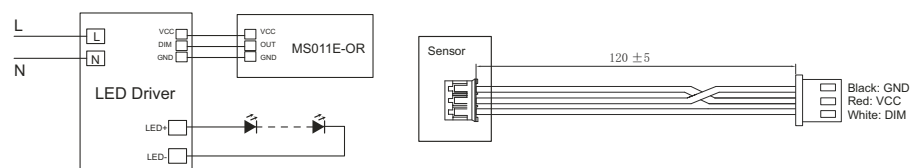
Features & Benefits:

- 12VDC input, PWM dimming output, daylight sensor built-in.
- Tri-level dimming control with corridor function.
- DIP Switch setting.
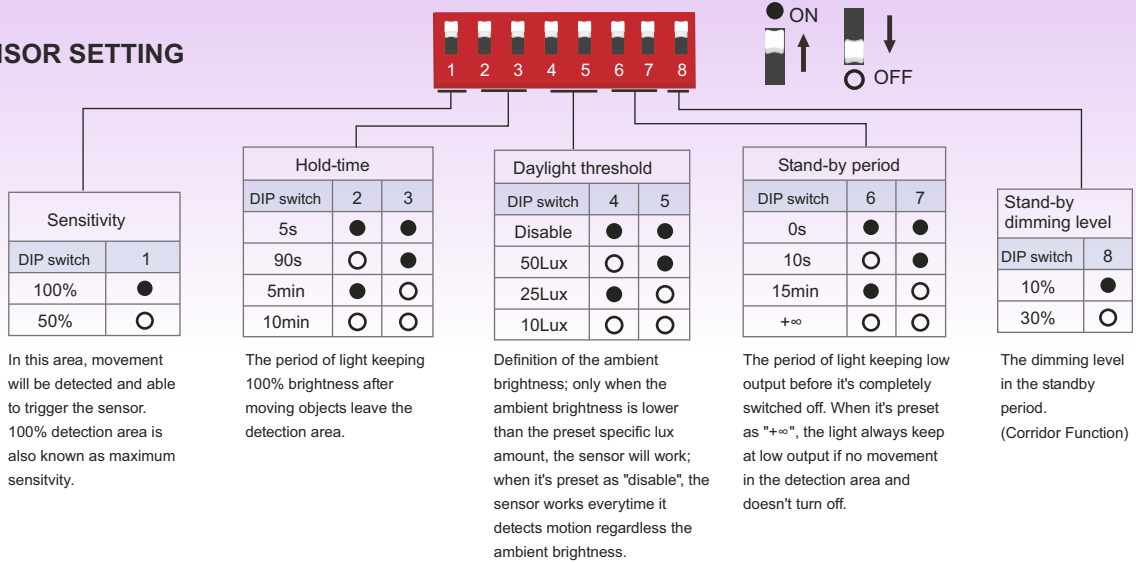- Built-in sensor function override.
- 5 year warranty.

Dimensions:

Installation hole — Antenna module — Switch — Daylight sensor

53 · 12.6 · 25.5 · 6.5 · 44.3 · 6
61.5 · 53 · 42.5 · 25.5
2.8 · ø3.5 · 44.3 · 11.3 · 14

»» WIRING DIAGRAM

L N — LED Driver — VCC DIM GND — VCC OUT GND — MS011E-OR — LED+ LED-

Sensor — 120 ±5 — Black: GND / Red: VCC / White: DIM

Technical Specifications:

Operating Voltage:	12VDC	**Stand-by Period:**	0s/10s/15min/+∞
Operating Current:	22mA	**Stand-by Dimming Level:**	10% / 30%
Output:	10V PWM	**Mounting Height:**	Max. 6m (Ceiling Mounted)
Microwave Frequency:	5.8GHZ±75Mhz	**Detection Range:**	Radius 6m (Ceiling Mounted)
Microwave Power:	<0.3mW	**Operating Temperature:**	-35°C ~ 70°C
Sensitivity:	100% / 50%	**IP Rating:**	IP20
Hold Time:	5s/90s/5min/10min	**Size:**	LxWxH: 61.5x25.5x14mm
Daylight Threshold:	Disable/50Lux/25Lux/10Lux	**Warranty:**	5 Years

UKCA CE 0.3m RoHS ErP COMPLIANT 220-240V/AC

⫸ SENSOR SETTING

● ON
○ OFF

Sensitivity

DIP switch	1
100%	●
50%	○

In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as maximum sensitvity.

Hold-time

DIP switch	2	3
5s	●	●
90s	○	●
5min	●	○
10min	○	○

The period of light keeping 100% brightness after moving objects leave the detection area.

Daylight threshold

DIP switch	4	5
Disable	●	●
50Lux	○	●
25Lux	●	○
10Lux	○	○

Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

Stand-by period

DIP switch	6	7
0s	●	●
10s	○	●
15min	●	○
+∞	○	○

The period of light keeping low output before it's completely switched off. When it's preset as "+∞", the light always keep at low output if no movement in the detection area and doesn't turn off.

Stand-by dimming level

DIP switch	8
10%	●
30%	○

The dimming level in the standby period. (Corridor Function)

⫸ DETECTION COVERAGE

Sensitivity : 25% 50% 75% 100%

Ceiling Mounted
Mounting height

Wall Mounted
Mounting height
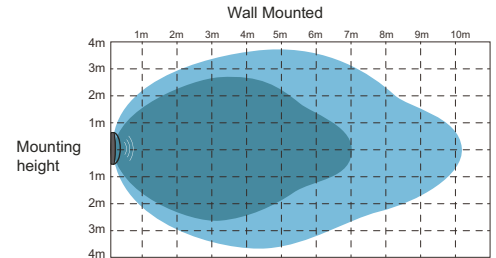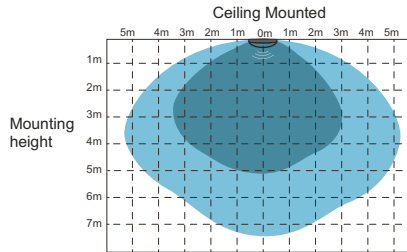
⫸ SENSOR OVERRIDE FUNCTION

Sensor active

Turn off for 2sec and turn on for 2sec, repeat 3 times. X3

Sensor override

Sensor active

Sensor function will automatically resume after 4 hours. Power off and on one time to enable the sensor.
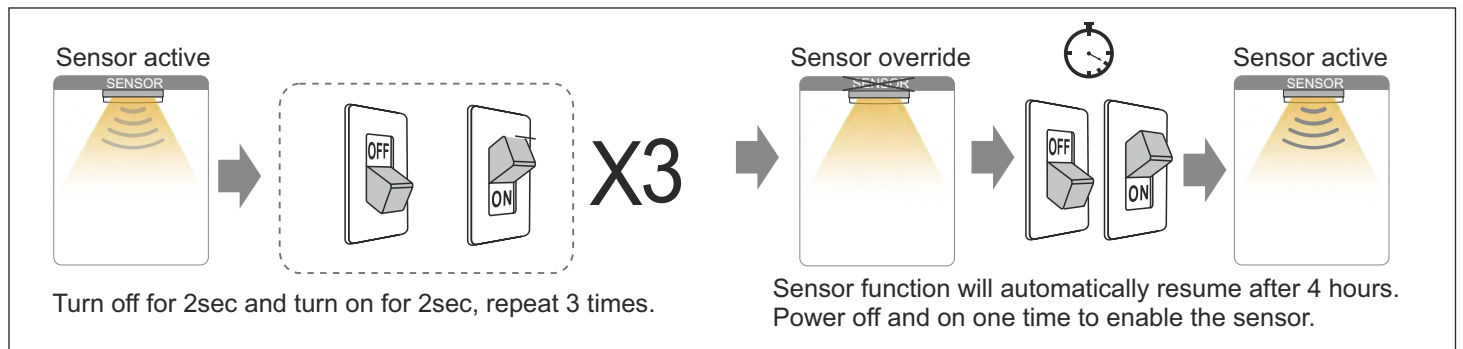
Sensor Function: Override & Enable

1. With the light powered on, turn off for 2s and turn on for 2s, repeat 3 times to disable the sensor. The light will stay on 100% for 4 hours.
2. After the light stays on 4 hours, the sensor will be enabled automatic, and light will work in sensor mode.
3. User can switch OFF/ON the light one time to enable the sensor during the 4 hours mode.
4. The sensor will turn off the light and turn on when it detect motion if sensor mode was enabled.

⫸ DAYLIGHT PRIORITY

Thanks for 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: The Lux-on effect takes effect only when stand-by dimming period is set to +∞.

Note: Lux-On sampling time:10s
       Lux-Off sampling time:10s
       Lux-On function takes effect only when standby dimming period set at +∞.

Sampling time

Lux off

Lux on

light off automatically

light on automatically

Sampling time