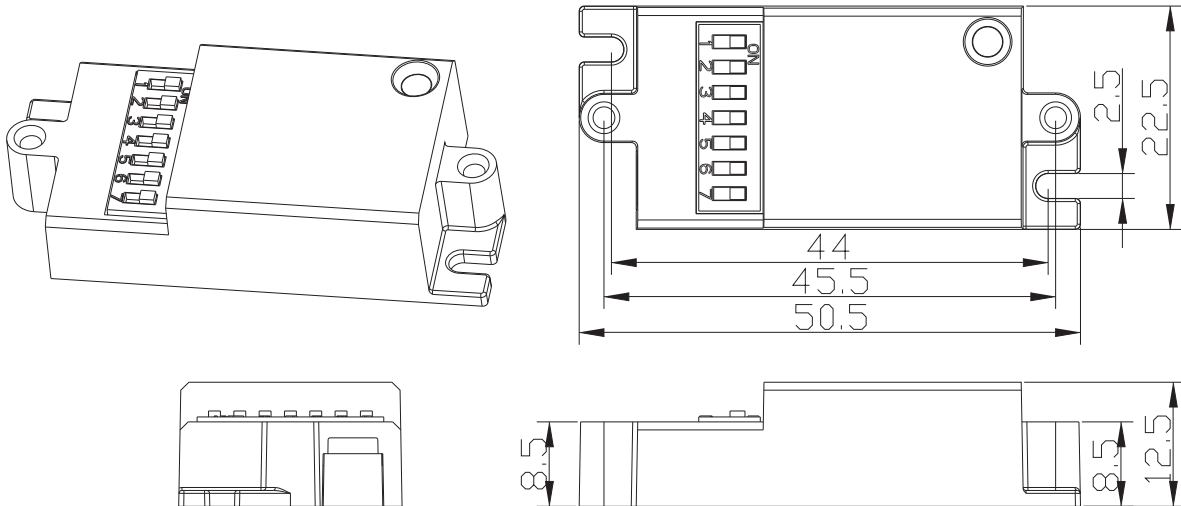
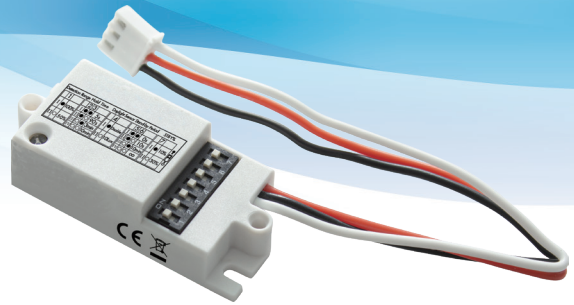


Dimmable Sensor Module

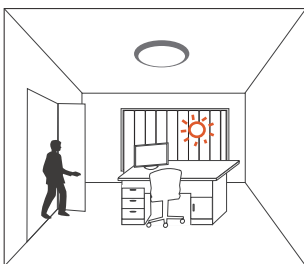
Model: SAM12
12VDC



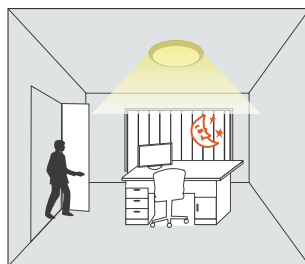
Product Feature

Step-dim function (corridor function)

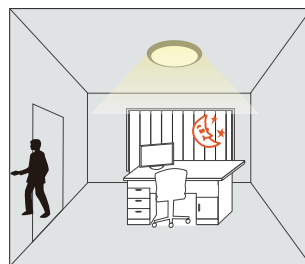
The motion detector can turn on the light based on movement. With this detector built in, light is automatically on when needed and dimmed to preset level before it is totally off.



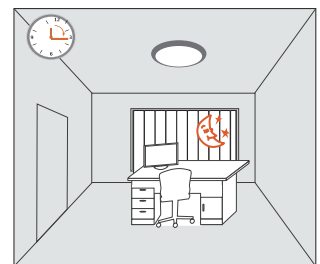
The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)



With movement and insufficient ambient lux level, the light is triggered on 100% by the detector.

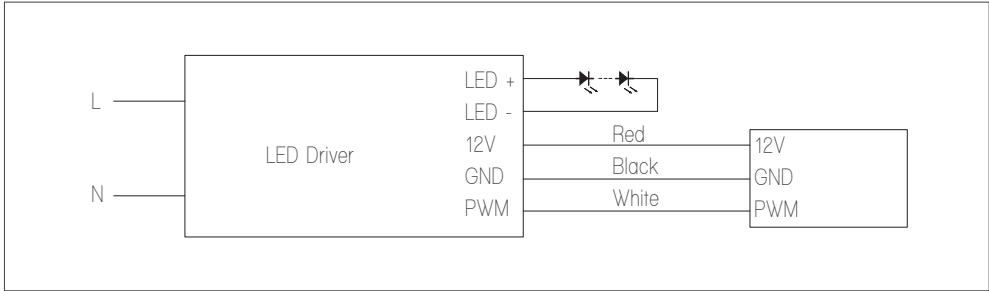


If there is no more movement, the light dims to stand-by dimming level after hold-time.

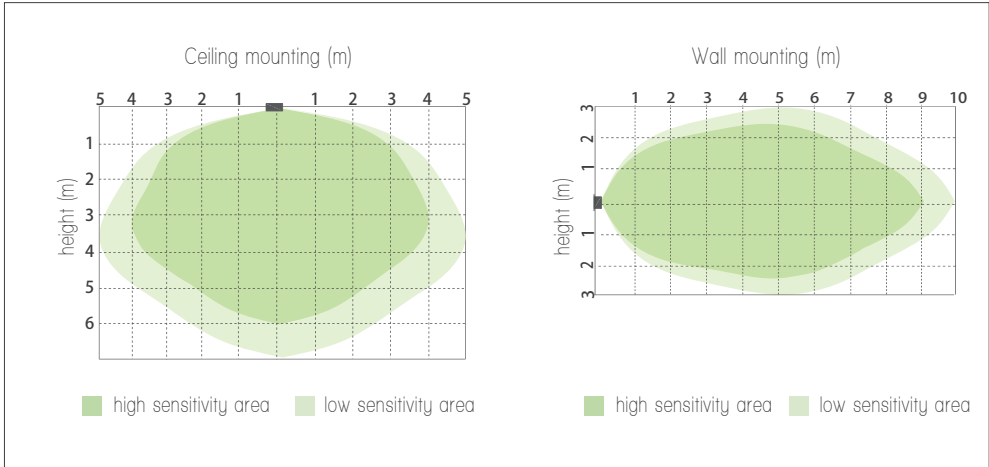


The light turns off automatically after stand-by time.

Wiring



Detection pattern



Settings

1. Sensitivity

Sensitivity can be adjusted by selecting the combination on the DIP switches for different applications.

- I - 100%
- II - 50%

| | | |
|----|---|------|
| | 1 | |
| I | ● | 100% |
| II | ○ | 50% |

2. Hold-time

Hold-time refers to the time period that the light remains 100% on if no more movement is detected.

- I - 5s
- II - 90s
- III - 180s
- IV - 10min

| | | | |
|-----|---|---|-------|
| | 2 | 3 | |
| I | ● | ● | 5s |
| II | ● | ○ | 90s |
| III | ○ | ○ | 180s |
| IV | ○ | ● | 10min |

3. Daylight threshold

Different daylight threshold can be preset on DIP switches. Light will always turn on upon movement if daylight sensor is disabled.

- I - Disable
- II - 10Lux

| | | |
|----|---|---------|
| | 4 | |
| I | ● | Disable |
| II | ○ | 10Lux |

4. Stand-by time

This is the time period that the light remains at a low level before it is completely turned off.

- I - 0s
- II - 10s
- III - 10min
- IV - +∞

| | | | |
|-----|---|---|-------|
| | 5 | 6 | |
| I | ● | ● | 0s |
| II | ● | ○ | 10s |
| III | ○ | ● | 10min |
| IV | ○ | ○ | +∞ |

5. Stand-by dimming level

Light can be dimmed to different levels after hold-time.

- I - 10%
- II - 30%

| | | |
|----|---|-----|
| | 7 | |
| I | ● | 10% |
| II | ○ | 30% |

Specification

| | |
|-------------------------|-----------------------------------|
| Input | 12VDC ($\geq 25\text{mA}$) |
| Output | 5V PWM |
| Stand-by power | <0.3W |
| Sensitivity | 50% / 100% |
| Hold-time | 5s / 90s / 180s / 10min |
| Stand-by time | 0s / 10s / 10min / $+\infty$ |
| Stand-by dim level | 10% / 30% |
| Daylight sensor | 10lux, disable |
| Microwave frequency | 5.8 GHz +/- 75MHz |
| Transmitting power | <0.2mW |
| Transmitting power(Max) | Max (diameter x height): 10m x 6m |
| Detection range | 30° ~ 150° |
| Detection angle(Max) | 6m |
| Working temperature | -20° C ~ +60° C |