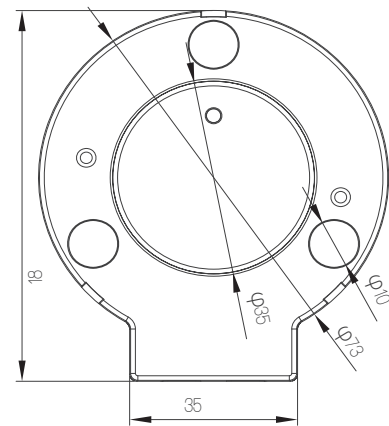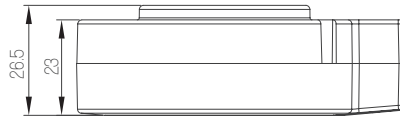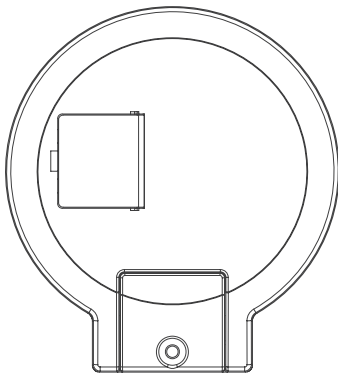# Special Design for LED Panel
On/off Detector
TUV CE

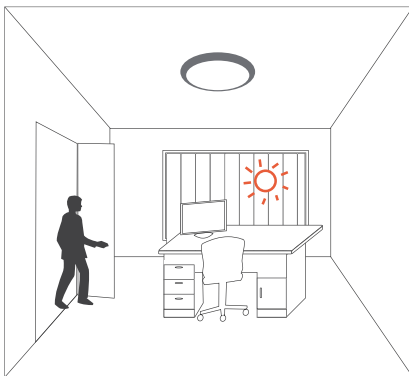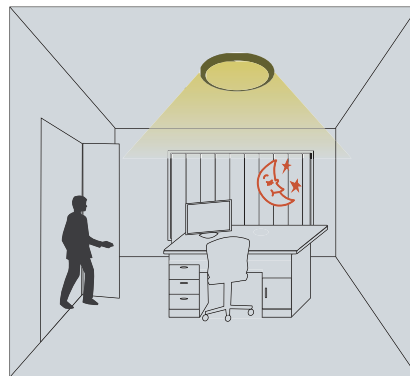## Model: UC316

| Product Feature | On/off function | The motion detector can turn on the light based on movement. With this detector built in, light is automatically on when needed and off when not needed. |

The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)
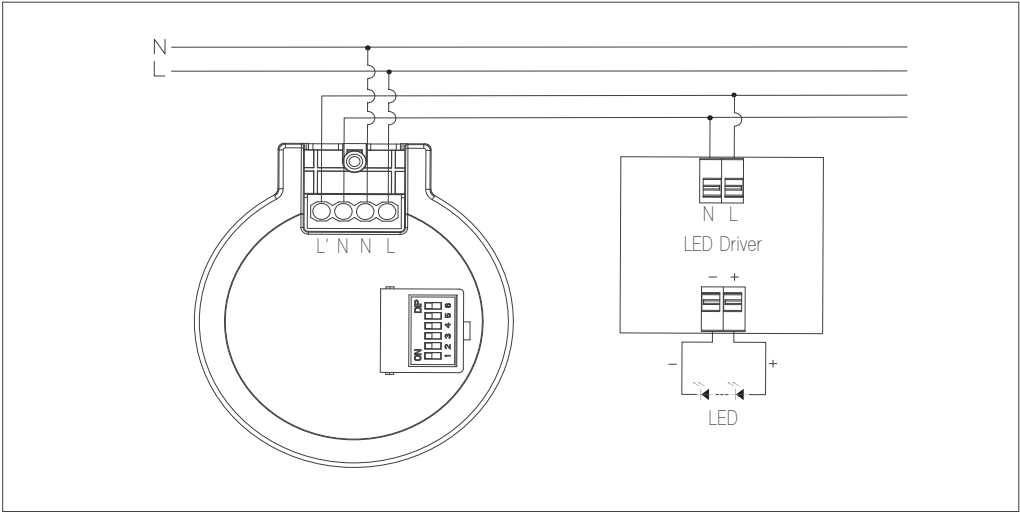
With movement and insufficient ambient lux level, the light is triggered on by the detector.
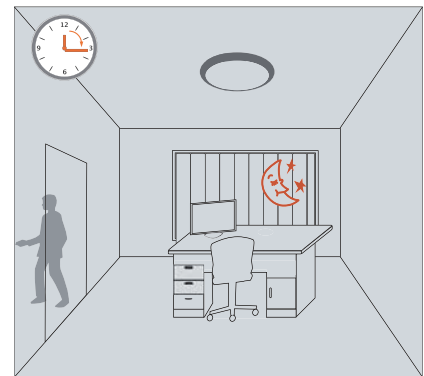
If there is no more movement, the light turns off automatically after hold-time preset.

Wiring

N
L

L' N N L

LED Driver

N L

− +

LED

Detection pattern

Ceiling mounting (m)

6 5 4 3 2 1 1 2 3 4 5 6

height (m)
1
2
3
4
5
6

high sensitivity area   low sensitivity area

Wall mounting (m)

1 2 3 4 5 6 7 8 9

height (m)
4 3 2 1 1 2 3 4

high sensitivity area   low sensitivity area
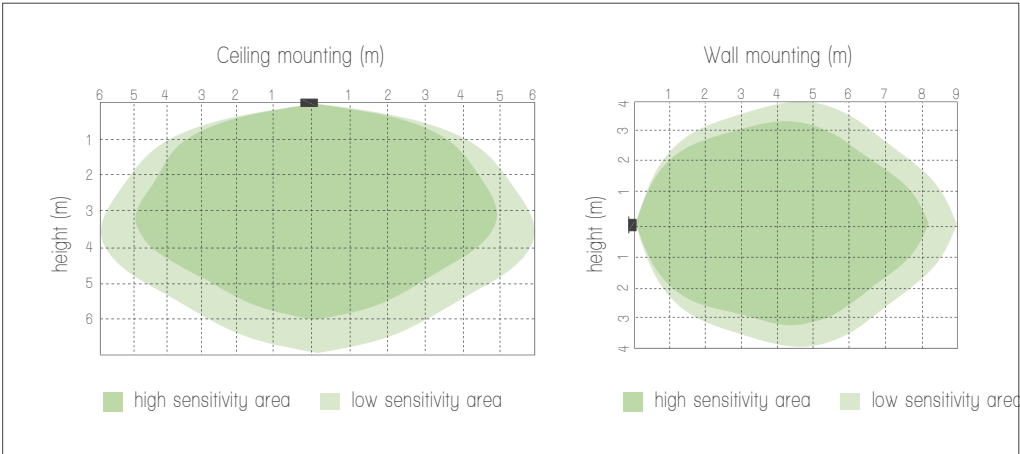
Way to install

Settings

1. Sensitivity

Sensitivity can be adjusted by selecting the combination on the DIP switches for different applications.
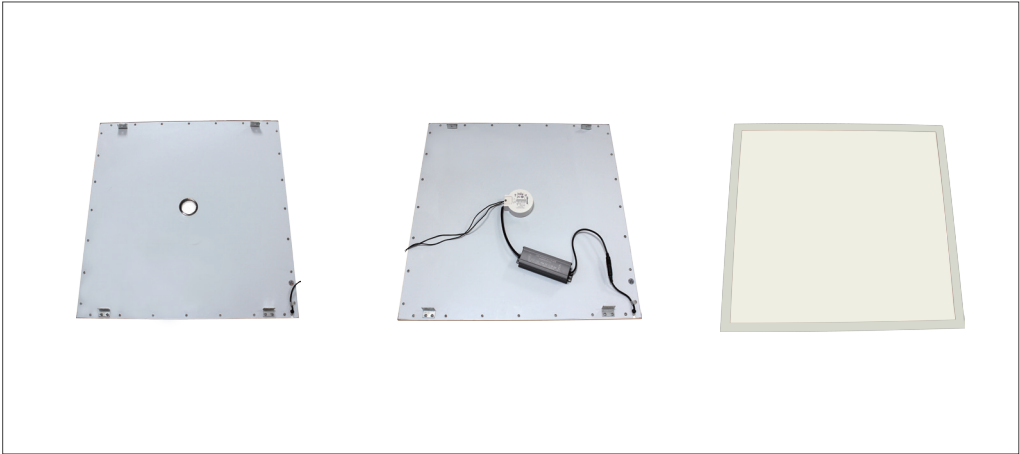
I – 100%
II – 75%
III – 50%
IV – 25%

	1	2	
I	●	●	100%
II	●	○	75%
III	○	●	50%
IV	○	○	25%

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 – 30s
III – 1min
IV – 10min

	3	4	
I	●	●	5s
II	●	○	30s
III	○	●	1min
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 – 30Lux
III – 15Lux
IV – 5Lux

	5	6	
I	●	●	Disable
II	●	○	30Lux
III	○	●	15Lux
IV	○	○	5Lux

Specification

Operating voltage	220 ~ 240 VAC 50/60Hz
Rated load	400W (Capacitive load) 800W (Resistive load)
Stand-by power	<0.3W
Sensitivity	100% / 75% / 50% / 25%
Hold-time	5s / 30s / 1min / 10min
Daylight sensor	Disable / 30Lux / 15Lux / 5Lux
Microwave frequency	5.8 GHz +/- 75MHz
Transmitting power	<0.2mW
Detection range	Max (diameter x height): 12m x 6m
Detection angle	30° ~150°
Working temperature	-20°C ~ +60°C
IP rating	IP20
Certificate	TUV, CE , RED