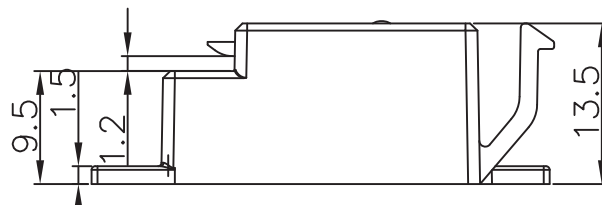
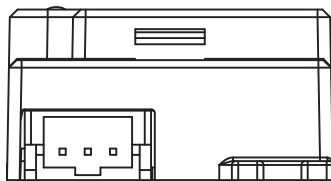
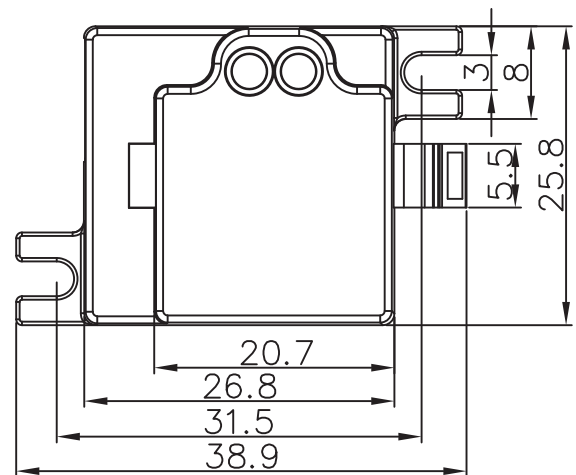
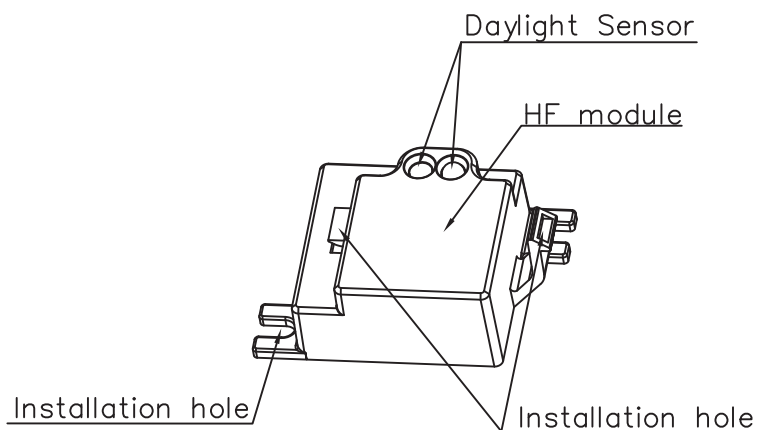


Anti-5G Interference

12VDC Plug&Play Sensor Photocell Advance Remote Control Version

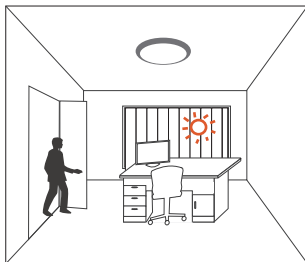
Model: UC16DC/QC/I



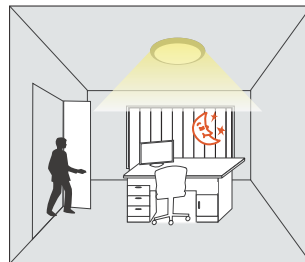
Product Feature

Step-dim function (corridor function)

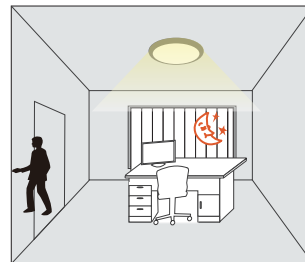
The motion detector can turn on the light based on movement. With this detector built in, light is automatically on when needed and dimmed to preset level before it is totally off.



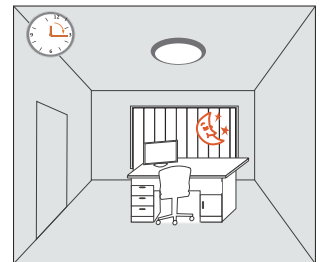
The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)



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

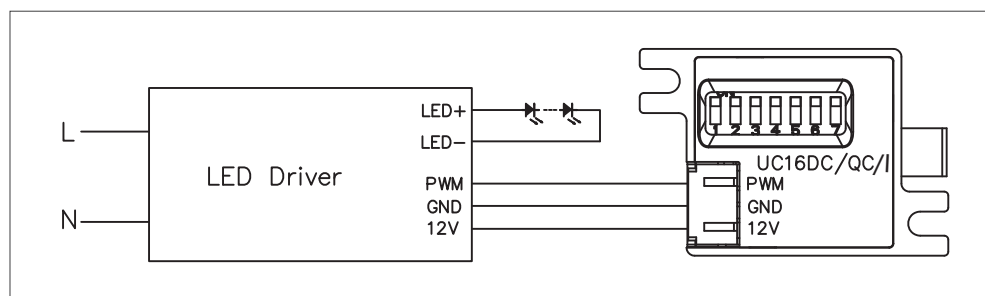


If there is no more movement, the light dims to stand-by dimming level after hold-time.

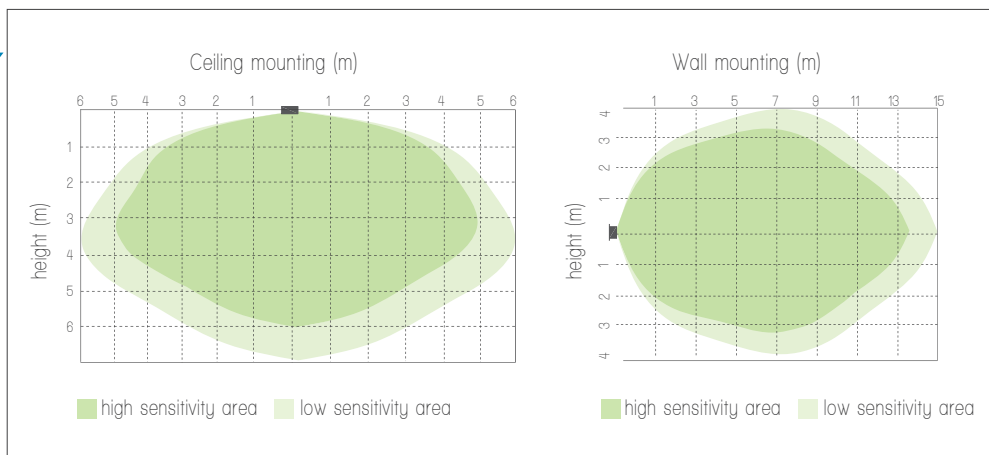


The light turns off automatically after stand-by time.

Wiring



Detection pattern



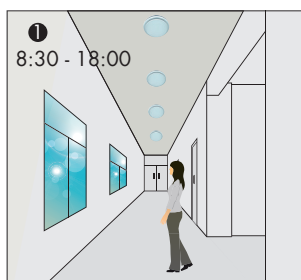
Daylight Monitoring

Now with Photocell Advance technology, daylight sensor can override motion sensor

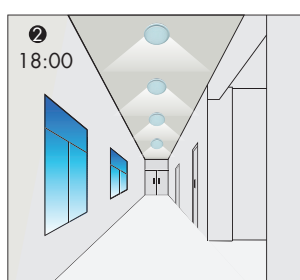
1. Automatically turn on/off luminaire whenever pre-set lux requirement is fulfilled
2. Even if there is constant movement around, daylight sensor is still monitoring ambient lux level and turns light off
3. This function is activated when stand-by period set to "+∞"

Application Example:

Hold time: 90s; Daylight Threshold: 10lux; Standby Dimming Level: 10%; Standby Period: Infinity



The light remains off when natural light level exceeds daylight threshold preset, even if motion is detected.



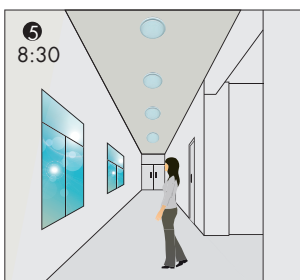
The light automatically turns on at dim level when natural light level drops below preset daylight threshold, even if there are no people around.



When there is motion detected, the light switches on at hold time brightness level.



The light automatically turns on at dim level again when there is no motion detected.



The light automatically turns off when the natural light exceeds daylight threshold preset, even with presence.

Note: The situation that natural light exceeds daylight threshold should last for **5mins** at least, light automatically turns off

DIP 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 – 3min
IV – 10min

	2	3	
I	●	●	5s
II	●	○	90s
III	○	●	3min
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.

Note: "0s" means cn/off control

" $+\infty$ " means bi-level dimming, light never off

I – 0s
II – 10s
III – 10min
IV – $+\infty$

	5	6	
I	●	●	0s
II	●	○	10s
III	○	●	10min
IV	○	○	$+\infty$

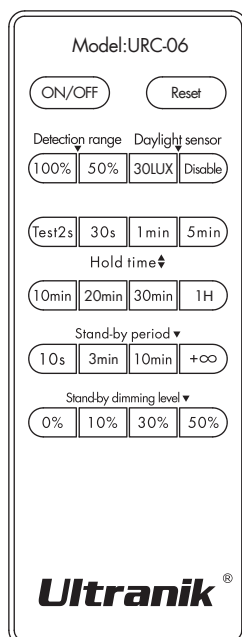
5. Stand-by dimming level

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

I – 10%
II – 30%

	7	
I	●	10%
II	○	30%

Remote control Setting



ON/OFF Permanent ON/OFF Function

Press the ON/OFF button, the light goes to permanent on or permanent off
Press "RESET" buttons to quit from this mode.

Reset Reset function

Press "RESET" button, all setting go back to factory default setting as followed:

100%

5min

10min

Disable

10%

detection range

hold time

stand-by period

daylight sensor

stand-by dimming

Detection range

Select as appropriate to adjust/reduce sensor sensitivity, 100% and 50%, pls refer to detection pattern.

Hold Time

Hold time refers to the time period that the light remain 100% on if no more movement detected

Daylight sensor

Select daylight sensor threshold level at 30lux. Ambient light must below this lux threshold for sensor to turn light on.

Press Lux Disable button for fixture to always turn on when motion detected.

Stand-by period (tri-level control)

Press the buttons of "stand-by period" to set stand-by period at 10s / 3min / 10min / +∞.

Note: "+∞" means bi-level control, light never switches off .

Stand-by dimming level

Press the buttons of "stand-by dimming level" to set the stand-by dimming level at 0% / 10% / 30% / 50%.

Note: "0%" means on/off control

Specification

Input	12VDC (≥25mA)
Output	5V PWM
Stand-by power	<0.3W
Sensitivity	50% / 100%
Hold-time	5s / 90S / 3min / 10min
Stand-by time	0s / 10s / 10min / +∞
Stand-by dim level	10% / 30%
Daylight sensor	10lux, disable
Microwave frequency	5.8 GHz +/- 75MHz
Transmitting power	<0.2mW
Detection range	Max. installation height: 6m Max. detection range: Ø 12m @ 3m installation height
Detection angle(Max)	30° ~ 150°
Working temperature	-20° C ~ +60° C
IP rating	IP20
Certification	CE CB RED