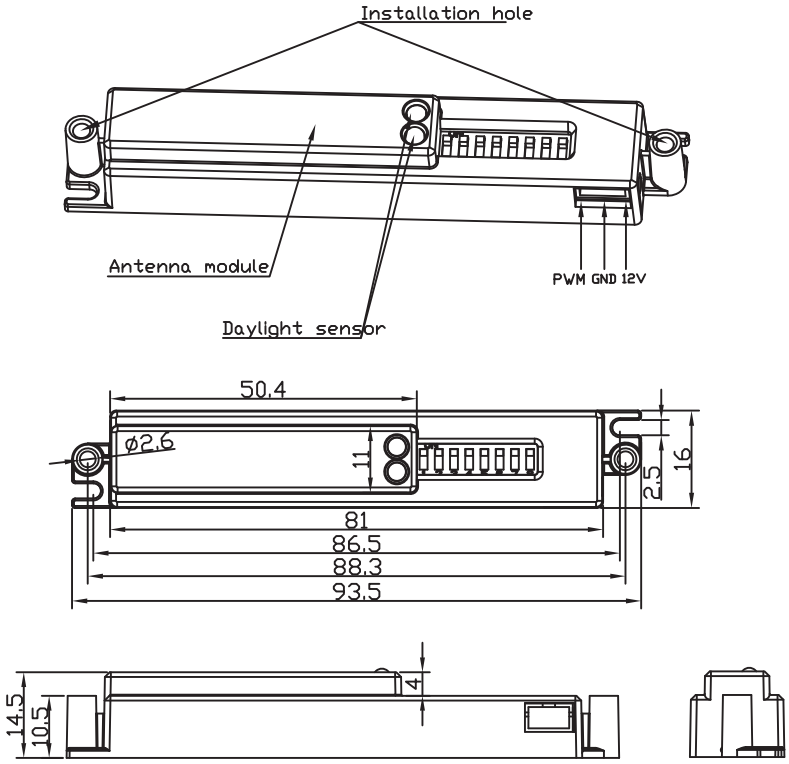
12VDC HF Sensor Photocell Advance for Tri-proof light

Anti-5G Interference



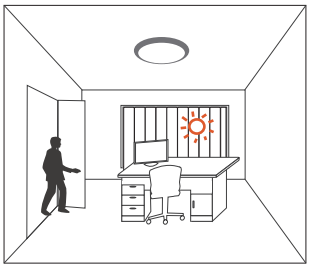
Model:UC18/DC



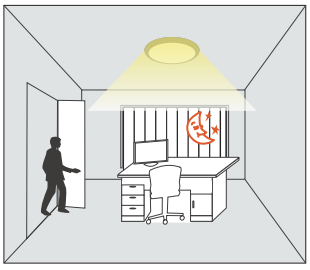
Product Feature

Step-dim function (corridor function)

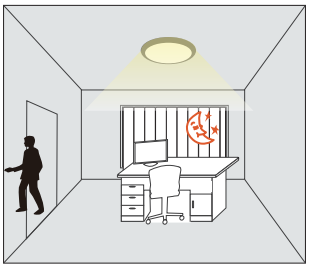
The motion detector can turn on the light based on movement. With this detector built in, light is automatically on when needed and dimmed to preset level before it is totally off.



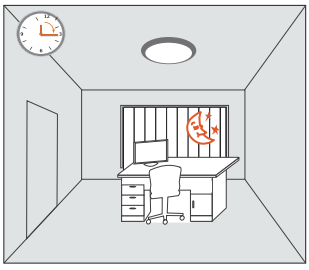
The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)



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

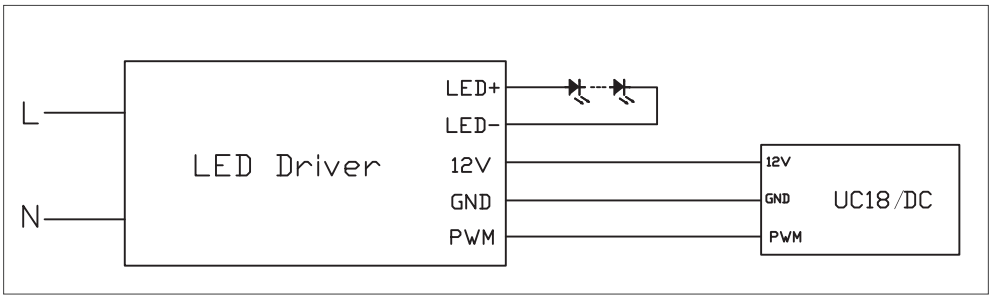


If there is no more movement, the light dims to stand-by dimming level after hold-time.

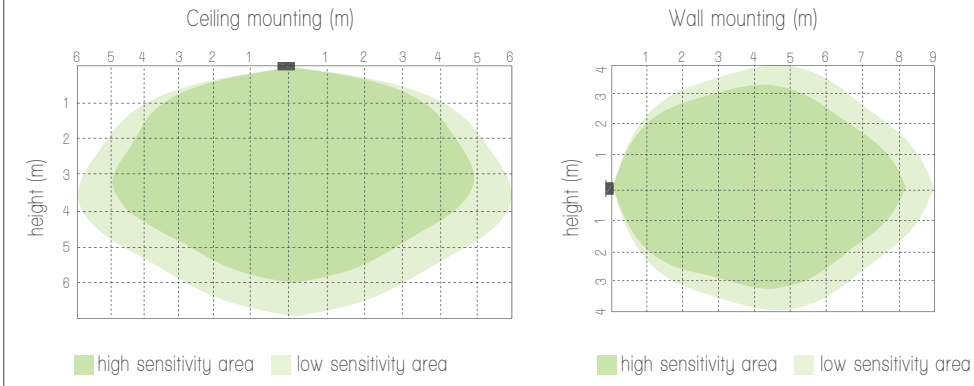


The light turns off automatically after stand-by time.

Wiring



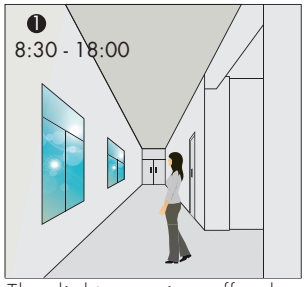
Detection pattern



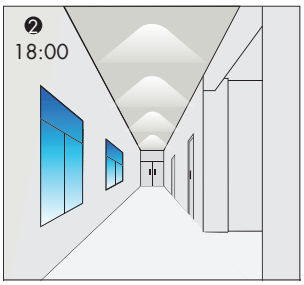
Daylight Monitoring

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: 5min; Daylight Threshold: 50lux; Standby Dimming Level: 10%; Standby Period: Infinity



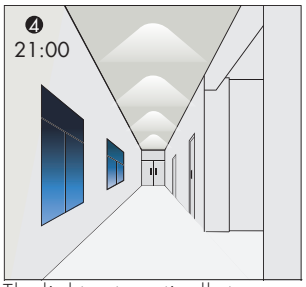
The light remains off when natural light level exceeds daylight threshold preset, even if motion is detected.



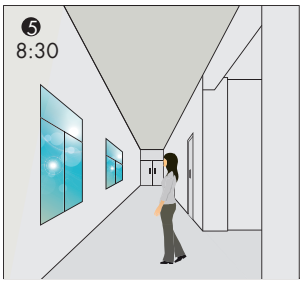
The light automatically turns on at dim level when natural light lux level drops below preset daylight threshold, even if there are no people around.



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.



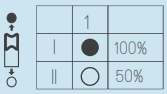
The light automatically turns off when the natural light exceeds daylight threshold preset, even with presence.

Settings

1. Sensitivity

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

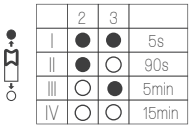
I – 100%
II – 50%



2. Hold-time

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

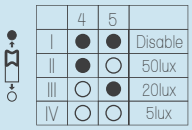
I – 5s
II – 90s
III – 5min
IV – 15min



3. Daylight threshold

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

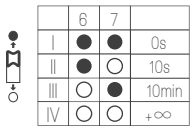
I – Disable
II – 50lux
III – 20lux
IV – 5lux



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 on/off control
"+∞" means bi-level dimming, light never off

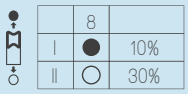
I – 0s
II – 10s
III – 10min
IV – +∞



5. Stand-by dimming level

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

I – 10%
II – 30%



Specification

Input	12VDC (≥25mA)
Output	5V PWM / 0-10V
Stand-by power	<0.3W
Sensitivity	100% / 50%
Hold-time	5s / 90S / 5min / 15min
Stand-by time	0s / 10s / 10min / +∞
Daylight sensor	disable / 50lux / 20lux / 5lux
Stand-by dim level	10% / 30%
Microwave frequency	5.8 GHz +/- 75MHz
Transmitting power	<0.2mW
Detection range	Max. installation height: 6m Max. detection range: Ø 10m @ 3m installation height
Detection angle(Max)	30° ~ 150°
Detection height(Max)	6m
Working temperature	-20° C ~ +60° C