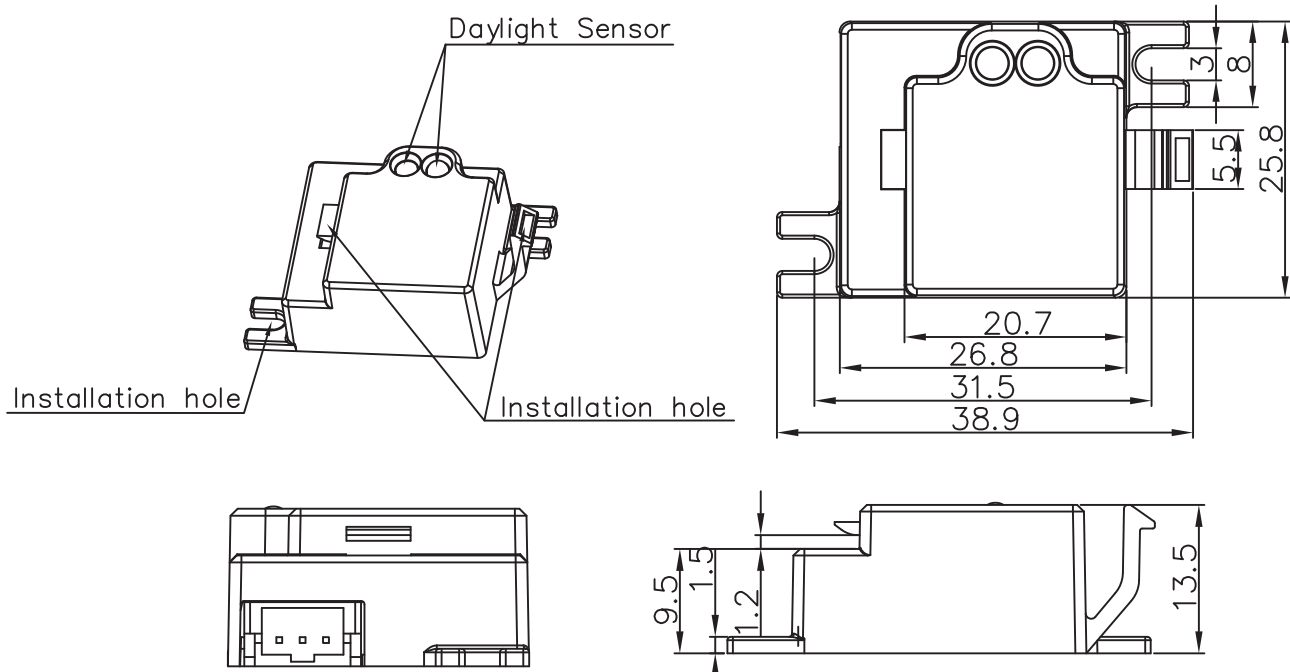


12VDC Photocell Advance Daylight Sensor

Model: UC16DC/QC/E



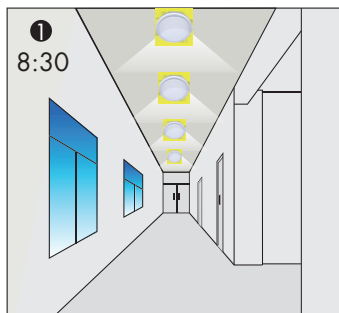
Product Feature

Photocell Advance function

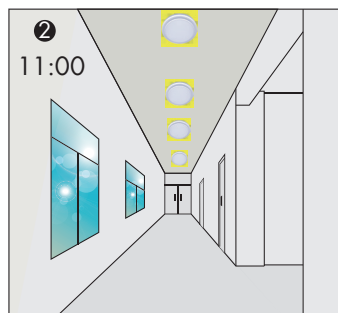
It's well known that LED lights have a totally different spectrum to natural light. Ultralink uses this principle and comes up with special photocell and sophisticated software algorithm to measure and differentiate natural light from LED light from behind the fixture cover, so that this photocell can ignore internal LED light and only respond to the natural light outside.

Our technology has no infringement to the existing patents in the market.

Settings on this demonstration: Daylight threshold @ 50lux



With insufficient natural light, the light switches on at 100%.

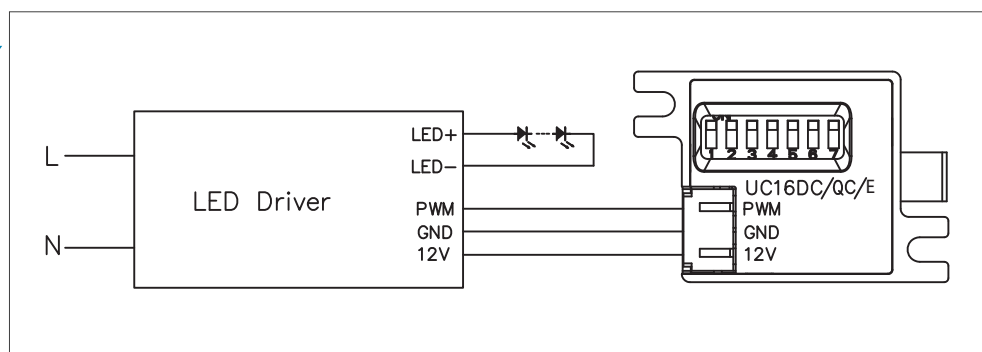


The light turns off completely whenever natural light reaches above pre-set daylight threshold.



The light automatically turns on at 100% when natural light lux level drops below pre-set daylight threshold.

Wiring



Settings

Set the lux level according to the real application environment. Light keeps off if ambient daylight is sufficient (above the threshold preset).

With insufficient natural light, light will automatically turn on.

Light will never switch off when daylight threshold is set to disable.



	1	2	3	4	5	6	7	Lux on	Lux off
I	●	○	○	○	○	○	○	10Lux	80-140Lux
II	○	●	○	○	○	○	○	25Lux	90-150Lux
III	○	○	●	○	○	○	○	50Lux	140-180Lux
IV	○	○	○	●	○	○	○	100lux	180-250lux
V	○	○	○	○	●	○	○	150lux	250-320lux
VI	○	○	○	○	○	●	○	200lux	320-400lux
VII	○	○	○	○	○	○	●	Disable	Disable

Specification

Operating voltage	220 ~ 240 VAC 50/60Hz
Rated load	400W (Capacitive load) 800W (Resistive load)
Stand-by power	<0.2W
Daylight sensor	Lux on: 10lux / 25lux / 50lux / 100lux / 150lux / 200lux / Disable Lux off: 80-140lux / 90-150lux / 140-180lux / 180-250lux / 250-320lux / 320-400lux / Disable
Working temperature	-20°C ~ 60°C
IP rating	IP20
Certificate	CE, UKCA