

Daylight sensor

HS01

The sensor will detect ambient lux to turn up/down artificial lighting to meet the preset lux value of the installation site.



Daylight harvesting

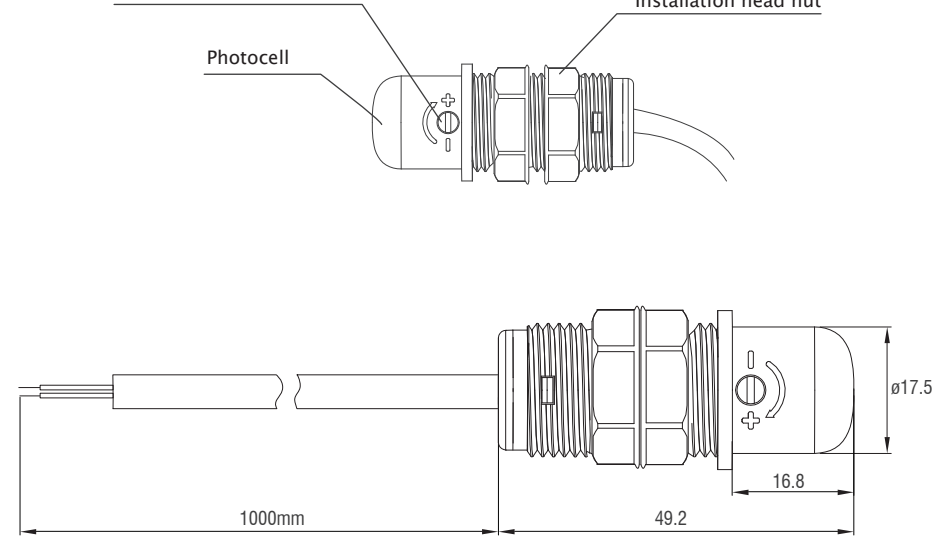


Mechanical structure (Unit: mm)

Potentiometer for adjusting target lux light

Installation head nut

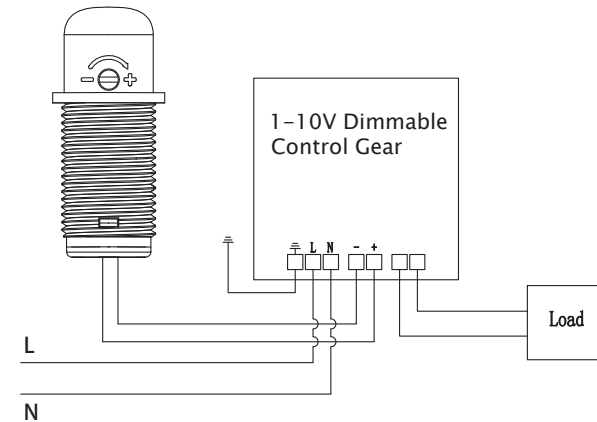
Photocell



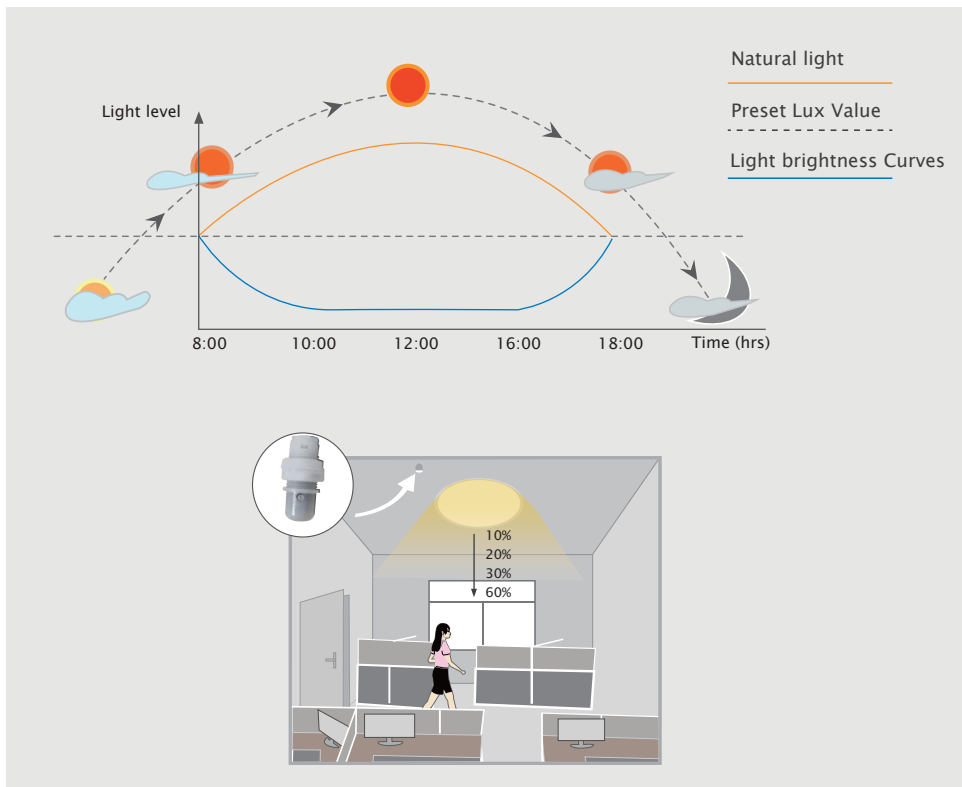
Technical data

Mains Voltage	1-10V DC
Dimming range	10%-100%
Operation Temperature	-25°C~45°C
Detection angle	120°
Current sink	Max,50mA (Maximum rating)
Control line	Red: +; Black: -
Cable length	1m
IP rating	IP20

Wiring diagram



Settings



Connected to 1-10V interface, the sensor automatically compares ambient lux to preset lux value and adjusts artificial lighting to keep lighting balance.

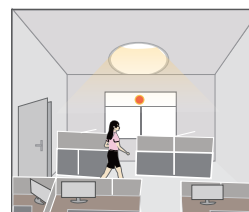
Illumination preset lux value

Preset lux value refers to the illumination required by the customer for the installation environment.

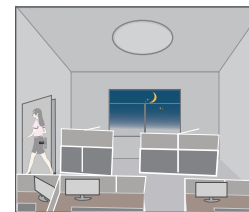
Application of HS01 connecting to driver



Connected sensor is always automatically compares ambient lux to preset lux value. With 1-10V dimmable control gear, artificial light dims 10%-100% brightness according to the change of ambient lux level to keep visual comfort.

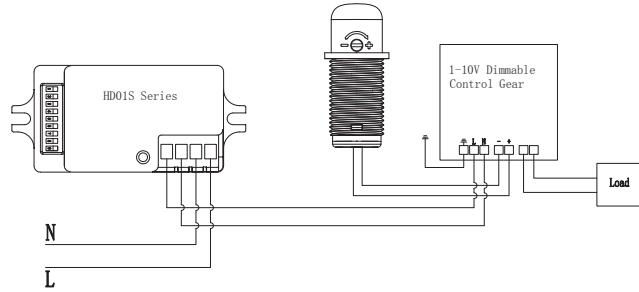


With enough ambient lux (ambient lux > preset lux value), light dims 10% brightness.



Switch off light manually when needed.

Application with ON/OFF sensor and LED driver

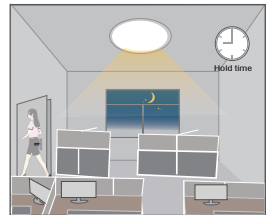


Wiring diagram (to ON/OFF sensor and LED driver)

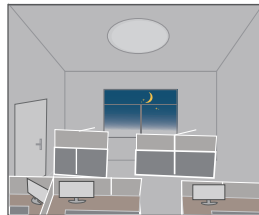


With enough ambient lux (ambient lux > preset lux value), lights don't turn on even though people move in the detection area.

If Ambient lux < preset lux level and people walk in the detection area, lights on; if ambient lux is much less than preset lux level and people move, lights dim brighter by 1-10V dimming control to keep visual comfort.

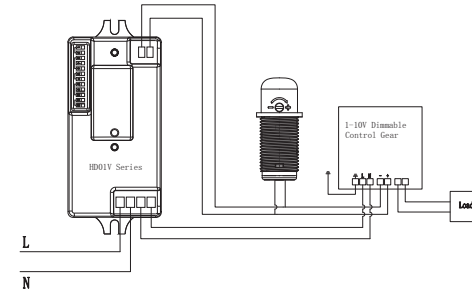


The sensor goes to holdtime after people leave the detection area.

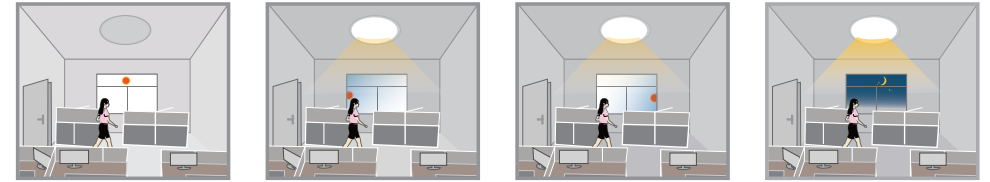


After holdtime, sensor automatically turns off if there's no more movement.

Application with dimmable sensor and LED driver

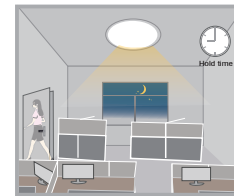


Wiring diagram (to Dimmable sensor and LED driver)

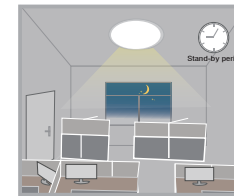


With enough ambient lux (ambient lux > preset lux value), lights don't turn on even though people move in the detection area.

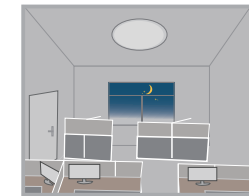
If Ambient lux < preset lux level and people walk in the detection area, lights on; if ambient lux is much less than preset lux level and people move, lights dim brighter by 1-10V dimming control to keep visual comfort.



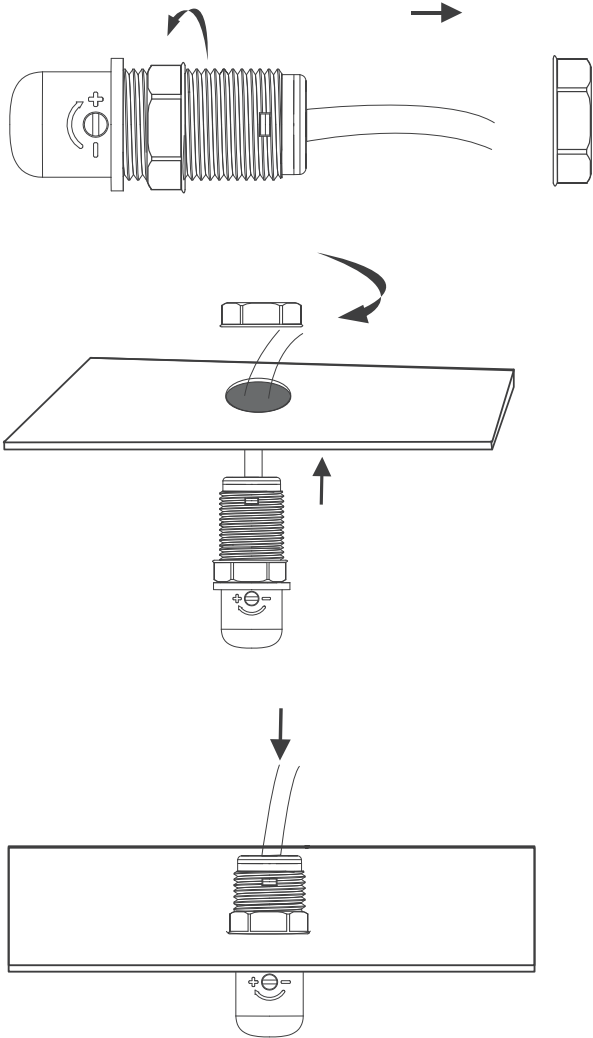
The sensor goes to holdtime after people leave the detection area.



After holdtime, the sensor goes to standby period keeping preset standby dimming level if there's no more movement.



After standby period, the sensor automatically turns off.



Attention



1. Please read the instructions carefully before using this product and keep it well for all users to read at any time.
2. The sensor should be installed by qualified electrician and ensure power is off before the installation.
3. We reserve the right to modify any incorrect text, image and necessary technical parameters.
4. Any unauthorized modification is forbidden, otherwise all guarantees will be immediately invalid.

Installation precautions

1. Cannot be built-in installation
2. To avoid affection of artificial light, the photocell cannot be installed facing to the LED light source and shall be installed horizontally with the light or higher than the light.

