



# LED Motion Security Lights

SEC02-010-AW-CCT-01/02/03

SEC02-020-AW-CCT-01/02/03

SEC02-030-AW-CCT-01/02/03



CRI  
≥80

CE

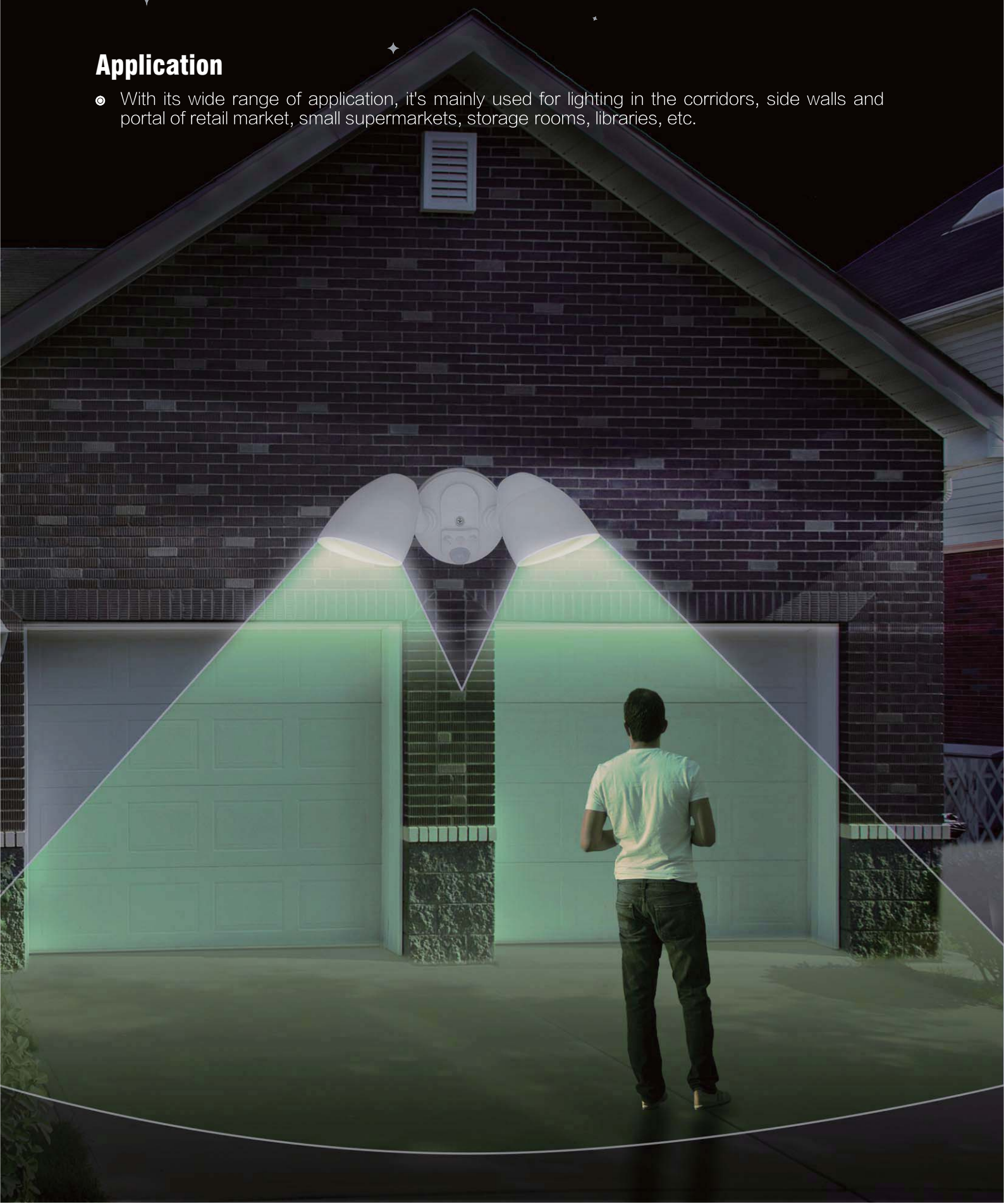
IP 65

Warranty  
3 years



## Application

- With its wide range of application, it's mainly used for lighting in the corridors, side walls and portal of retail market, small supermarkets, storage rooms, libraries, etc.

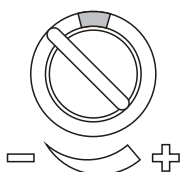




## Functional description

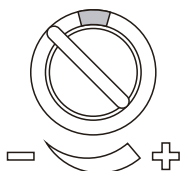
- The light provide two operation modes: "PIR sensing mode" and "Non-PIR sensing mode". The two modes can be switched through quick knock(within 3s) by power switch.
- PIR sensing mode defaults to induction mode after power-on, under this function, you can set the parameters of SENS, TIME and LUX by rotary knob to achieve induction distance, induction time and induction intensity.
- Non-sensing mode, disconnect the wire-controlled switch after power-on, under this function, the lamp enters the constant brightness mode.
- 3CCT switch function. Build-in 22pcs 3000K mixed 22pcs 6000K leds per head, customer can choose 3000K,4000K, 6000K by DIP switch based on different requirement before installation. It's convenience and help reduce stocks.

### SENS



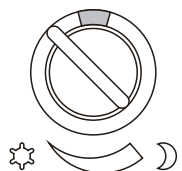
- **SENS Knob:** detection distance, Max 10m and minimum 1m. when people enter the detected distance range, the light on.

### TIME



- **TIME Knob:** detection time setting, Max 10mins and minimum 2s, when sensed people, the light on and lasting 2s or more times based on your set.

### LUX

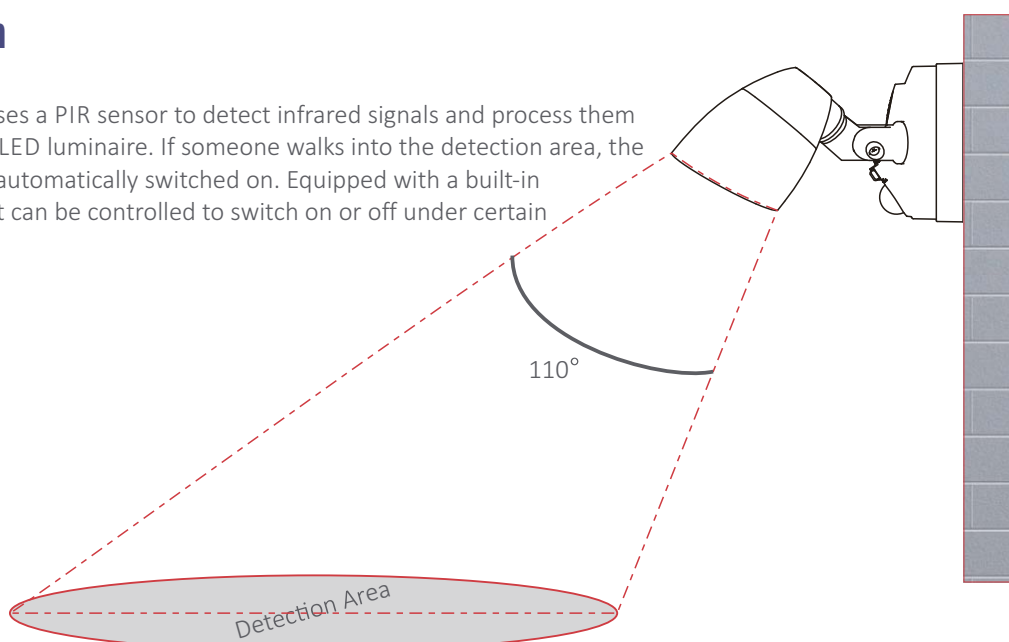


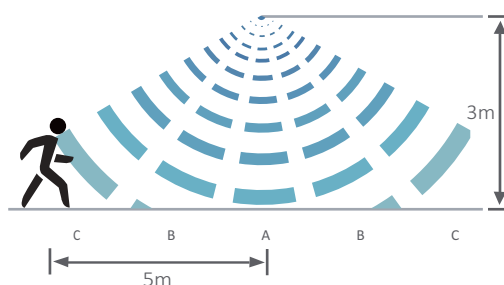
- **LUX Knob:** detection ambient light level, Max 300lux and minimum 10lux. Once to nighttime (for example <300lux ) and sensed people the light on. At daytime (>300lux) the light off.

- **Method of setting the mode of sensing test:** adjust the TIME knob to the minimum and adjust the LUX knob to the "sun" mark. When test is completed, adjust the 3 knobs to the status of use.

## Description

- The product uses a PIR sensor to detect infrared signals and process them to control the LED luminaire. If someone walks into the detection area, the luminaire will automatically switched on. Equipped with a built-in photosensor, it can be controlled to switch on or off under certain brightness.

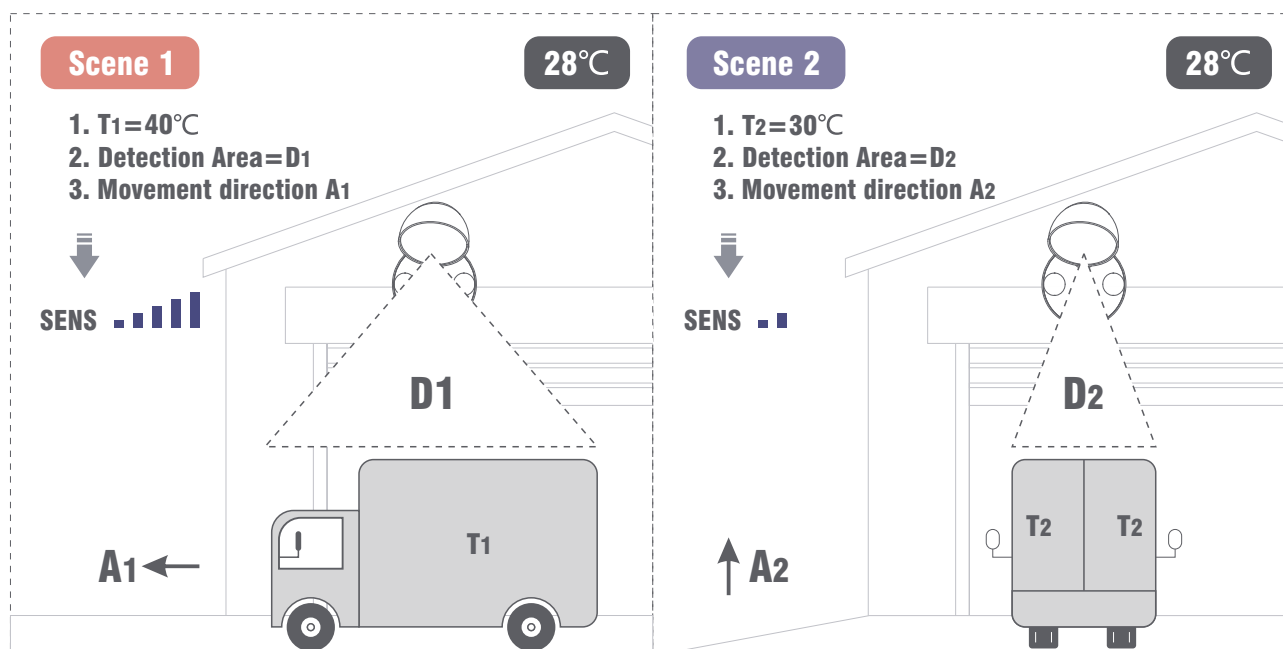




Working Voltage	Ac100-277V
PIR Frequency	XX
PIR Power	DC 3.3V
Detection Angle	90-100
Detection Range	Max.(D*H)5m*3m
Detection Speed	XX

## Factors related to sensitivity

- The relation of the sensor to the ambient temperature: the greater the temperature differences between sensor and ambient temperature, the higher the sensitivity.
- The relation of the sensor to the surface area of infrared radiation of the detected object: the greater the surface area of infrared radiation of the detected object, the higher the sensitivity.
- The relation of the sensor to the movement direction of the detected object: if the detected object moves tangentially when passing the sensor, it gets to the maximum sensitivity. While it gets to the lowest sensitivity when the detected object moves directly towards sensor.



## Features

- **Pivoting arm allows directional lighting.**



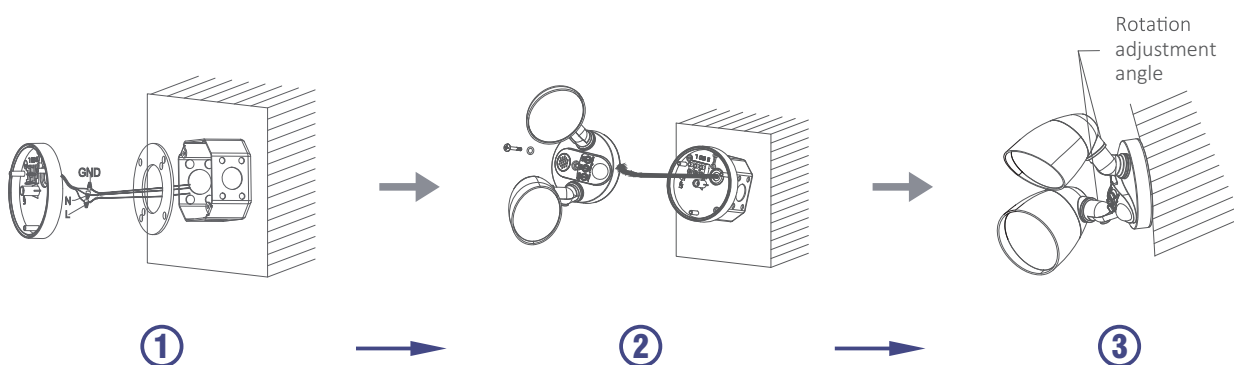
**Sensitivity, the time of keeping the light on and the illuminance to trigger the light can be adjusted.**

- After powering up, the luminaire is initialized within 15 seconds. At this time, the luminaire is on and cannot be controlled. After the luminaire is initialized, it switches off automatically and enters the normal working state, and then it can be used.

## Technical parameters

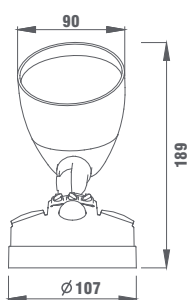
Model	Power	Lumen	LED Type/Qty	CCT	Lighting effect	CRI	Beam angle	Detection range	Detection distance	Input voltage
SEC02-010-AW-CCT-01	10W	800-900Lm	SMD3030 12*2pcs	3000K	80Lm/W	≥80	110°	150/270° optional	Max. 10m, adjustable	100-277V 50/60Hz
SEC02-010-AW-CCT-02				4000K						
SEC02-010-AW-CCT-03				5000K						
SEC02-020-AW-CCT-01	10W*2	1600-1800Lm	SMD3030 24*2pcs	3000K	85Lm/W					
SEC02-020-AW-CCT-02				4000K						
SEC02-020-AW-CCT-03				5000K						
SEC02-030-AW-CCT-01	10W*3	2400-2700Lm	SMD3030 36*2pcs	3000K	90Lm/W					
SEC02-030-AW-CCT-02				4000K						
SEC02-030-AW-CCT-03				5000K						

## Installation diagram

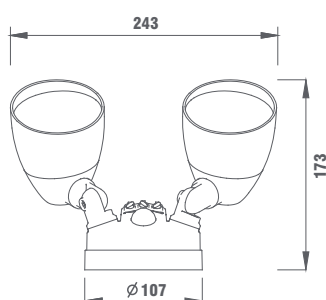


## Dimensions (unit: mm)

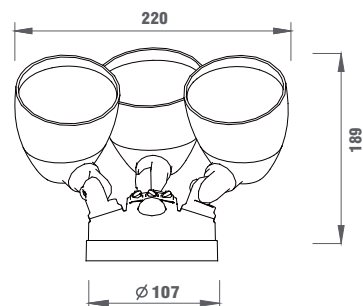
**SEC02-010-AW-CCT-01/02/03**



**SEC02-020-AW-CCT-01/02/03**



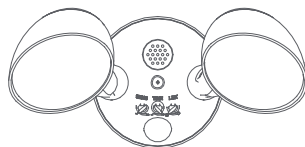
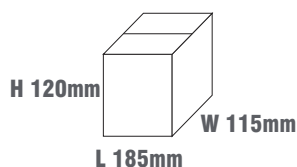
**SEC02-030-AW-CCT-01/02/03**



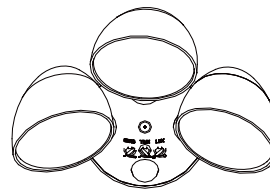
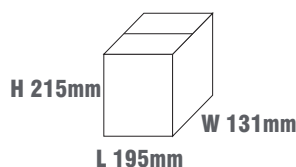
## Packaging information



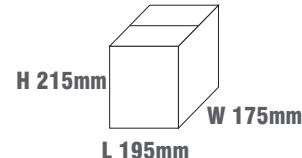
**X 1PCS**



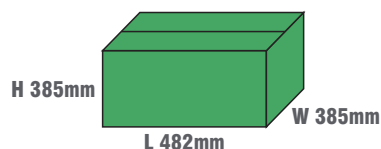
**X 1PCS**



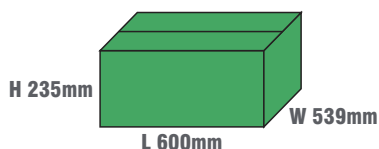
**X 1PCS**



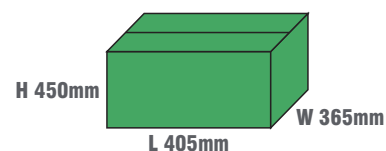
**X 24PCS**



**X 12PCS**



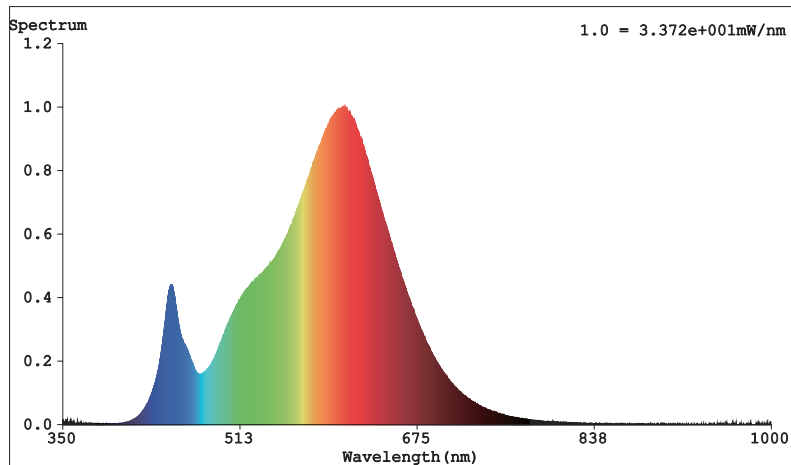
**X 8PCS**



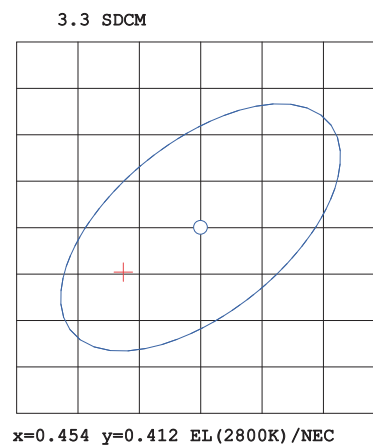
● Product type	SEC02-010-AW-CCT-01/02/03	SEC02-020-AW-CCT-01/02/03	SEC02-030-AW-CCT-01/02/03
● Color box size	185x115x120mm	195x131x215mm	195x175x215mm
● External case size	482x385x385mm <b>24PCS/carton</b>	600x539x235mm <b>12PCS/carton</b>	405x365x450mm <b>8PCS/carton</b>
● Net weight	0.30Kg	0.42Kg	0.5Kg
● Weight of single package	0.4KG	0.60KG	0.67KG
● Weight of whole case	10.6KG	8.4KG	6.4KG
● Container quantity	20-inch container 6960PCS	20-inch container 3240PCS	20-inch container 2400PCS
	40-inch common container 15120PCS	40-inch common container 6804PCS	40-inch common container 4960PCS
	40-inch high container 18144PCS	40-inch high container 8316PCS	40-inch high container 6200PCS

## Test report

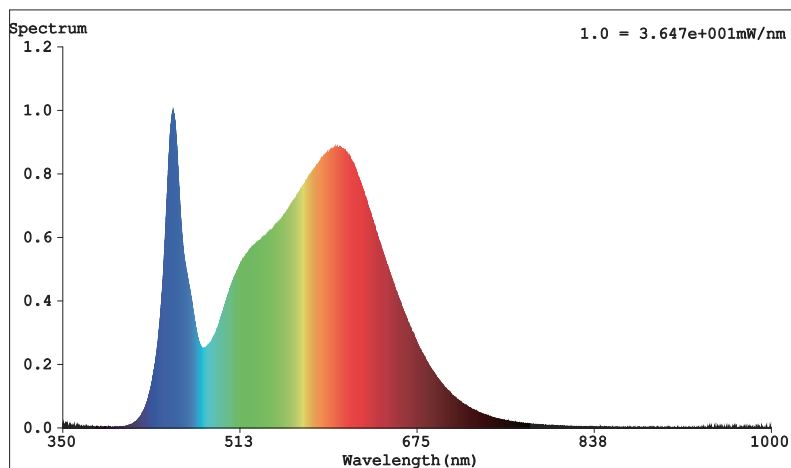
Mode: CCT security light in black



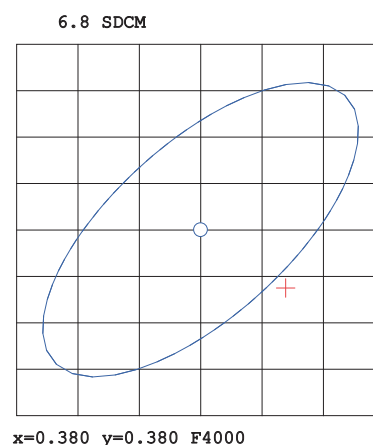
Spectral Distribution



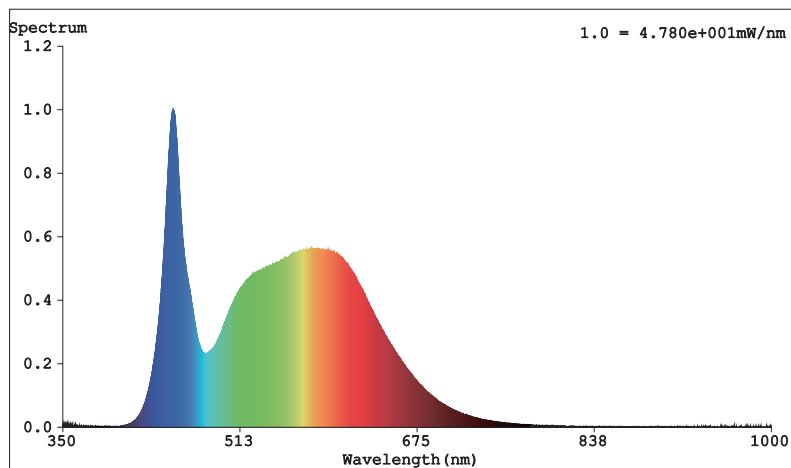
CIE1931 Chromaticity Diagram



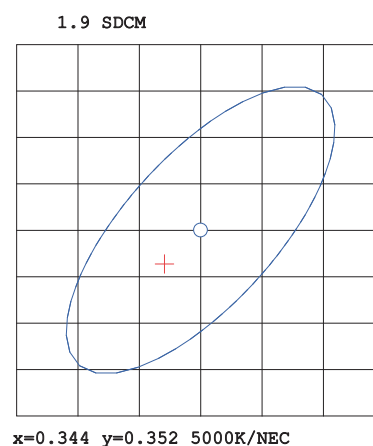
Spectral Distribution



CIE1931 Chromaticity Diagram



Spectral Distribution



CIE1931 Chromaticity Diagram



## Notice



- **Warning: Attention electric shock**

Before the lamp is connected with the power supply, please cut off the fuse or air breaker; ensure that the input voltage is within the correct and reasonable scope and connect the lamp with the power supply of 120V 60Hz; ensure that the connection of wire and grounding wire conforms to national electric standard and local applicable specification requirement. All connection of wire must use connection terminals in line with UL certification.

- **Warning: Attention to cauma**

Take the lamp from the box. Wear the glove e and protective glasses at the of installation debugging and repair.

When the lamp is on, don't stare at the light source with eyes directly. As LED is very bright, you should not stare at LED at any circumstance. Otherwise, irreparable injury may be produced to your eyes. Please let the lamp cool before touching it. Don't touch the lamp enclosure or light source. The input power should not exceed the maximum power indicated on the lamp label.

- **Warning: Attention to fire**

The inflammable and combustibile should be way from the light source and light/lens.



Yijia Industrial Park, Fuqian Road, Guanlan Town, LongHua, Shenzhen, Guangdong, China

Tel:+86-755-27608650  
Fax:+86-755-27608651  
[www.signcomplex.com](http://www.signcomplex.com)  
[sales@signcomplex.com](mailto:sales@signcomplex.com)