# LED Security Sensor Light

Introduction

IP65 LED wall lamp with PIR sensor, a great choice for outdoor walkways, garage areas, back door entrances etc, SMD LED chip and 88% luminous efficiency produce a high lumen output. The ADC12 heat sink makes the excellent heat dissipation, internal isolated driver ensure the safety and save the space. The illuminating and sensor directions can be adjusted easily, allowing you to position the light higher or lower as you required.

Features
1. Both wall mounted and ceiling mounted are optional, easy to install.
2. Adopts constant current driver to make sure the safety, both single and double heads available.
3. IP65 rated prociding protection from splashed water.
4. Comes complete with PIR sensor with a 3-10 metre fixed range and 10sec-7mins (adjustable) timer function.
5. Internal driver to save the space.

Application Areas
It is designed for indoor and outdoor lighting applications hotel, park, and corridors etc.

60° | IP65 | PF 0.9 | CRI ≥80 | HOURS 50000
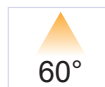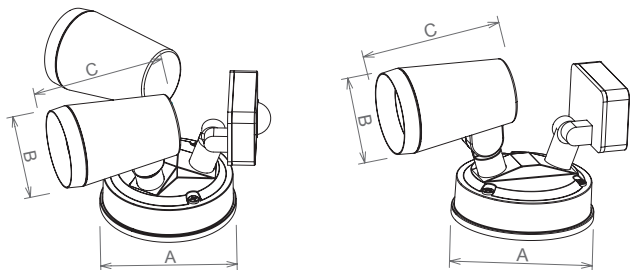
Measurement

Power	Dimension(mm)			Size(mm)	Product Weight (Kg)	
	A	B	C		N.W/PC	G.W/PC
8W	Ø100	Ø60.5	87	Ø100*60.5	0.45	0.61
16W	Ø100	Ø60.5	87	Ø100*60.5	0.72	0.88

Technical Data Sheet

Watt(W)	8W	16W
Dimension(mm)	Ø100*60.5	Ø100*60.5
Rated Input Voltage(V)	AC230V	
Input Voltage(V)	AC220-240V	
LED	SMD	
SDCM	<6	
CCT(K)	5000K	
"Luminous Flux (lm) ±5%" Non-DIM	650-800	1300-1600
DIM	–	–
PRI Sensor	Yes	
DIM	No	
CRI	≥80	
Beam Angle (°)	60°	
LED Driver	Built-in	
Protection Class	Class II	
IP Rating	IP65	
IK Rating	IK08	
Finishing color	Black RAL 9005	
Material	Aluminium+PC	
Lifetime (hr)	50,000h	
Glow wire test (°C)	650℃	
Operating Temp.(°C)	-20℃~45℃	
Storage Temp.(°C)	-20℃~65℃	
Installation	Surface mount	

Built-in Driver Datasheet (Non-dimmable)

Power	8W	8W *2
Rated Input Voltage(V)	AC230V	
Frequency	50Hz	
Input Voltage	AC220-240V	
Power Factor	0.9	
Efficiency	≥83%	≥83%
Total load wattage	8W±1W	(8W±1W)*2
Rated Input Current	≤ 0.03A	≤ 0.03A*2
Full load output voltage	DC23-40V	DC23-40V
Rated output curent	180mA	180mA*2
Output current range	180mA±5%	(180mA±5%)*2
Power tolerance	±5%	
Current output tolerance	±5%	
Short circuit protection	PASS	
Over voltage protection	PASS	
Over temperature protection	PASS	
THD	<20% @ AC230V	
Surge	L-N 500V	
Withstand voltage	AC3750V	

Datasheet (Sensor)

Model No.	ST25B
Rated Input Voltage:	AC230V
Frequency:	50/60Hz
Input Voltage:	AC220-240V
Load Power:	≤500W
Detection Beam angle:	120°
Duration Time abjustment:	10sec-7mins(adjustable)
Lux Level:	<3-2000lux(adjustable)
IP Rating:	IP65(for indoor and ourdoor use)
Operating Temp.(℃)	-20℃ ~40℃ <93%RH (Humidity)
Power Consumption	approx 0.5w
Installation Height:	1.8-2.5M
Detection Moving Speed	0.6-1.5m/s

Setting

TEST:

• Turn the SENS knob clockwise on the maximum (+).Turn the LUX knob clockwise on the maximum (sun). Turn the TIME knob anti-clockwise on the minimum (-).

• Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor can start work .If the sensor receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within 10sec±3sec and the lamp would turn off.

• Turn LUX knob anti-clockwise on the minimum (moon). If the ambient light is more than 3LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 3LUX (darkness), the sensor would work. Under no induction signal condition, the sensor should stop working within 10sec±3sec.
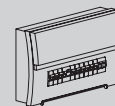
Note: when testing in daylight, please turn LUX knob to ☼ (SUN) position, otherwise the sensor lamp could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.
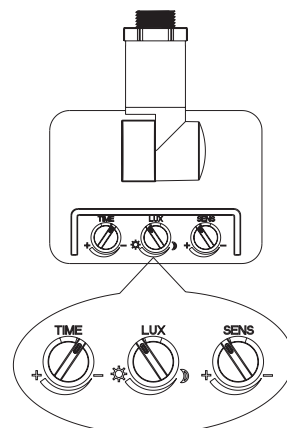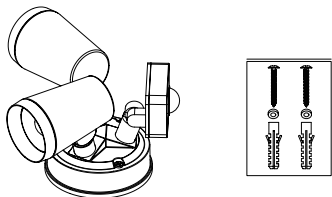
Installation Procedure

Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.
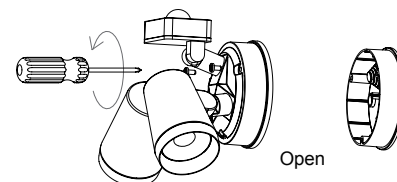
▊ Surface Mounted Installation

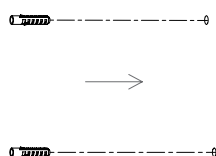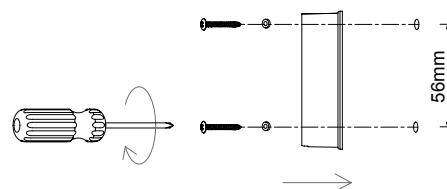### Step 1

Take out wall lamp and accessory pack.

Step 2

Open

Unscrew bottom seat and take it apart from lamp body.

Step 3

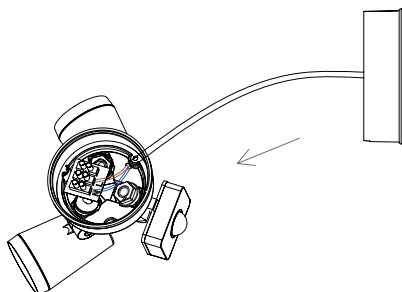Insert the plastic anchor into the ceiling.

Step 4
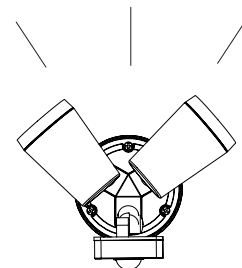
56mm

Fix the bottom seat well.

Step 5

L = BROWN

N = BLUE

Wiring "L""N"to terminal block and fasten the cord grips to protect wire from dislocation.

Step 6

Fasten wall lamp back to the bottom base, rotate the direction , and switch on the lamp.