



Solar Eye

Courtyard / Street light

Solar Eye courtyard / street light is an intelligent outdoor lighting system. It combines a high efficiency solar panel, controller, infrared sensor, high-capacity lithium battery and LED into a compact self-contained housing. Solar Eye captures the maximum energy from the sun charging the lithium batteries for maximum run time at night.

Features and Benefits

- Patent pending integrated design.
- Solar powered outdoor lighting.
- Easy installation, No wiring required.
- Long life lithium battery for fewer battery changes protecting the environment.
- Light output can be adjusted automatically by a built-in infrared sensor.
- Modular design, completely self-contained.
- Compact and light weight design. Quick and easy installation, electrician not required.
- Rust-proof, dustproof and waterproof.
- Safe and reliable.
- Switches on and off automatically, no need to reset for changing seasons.



Solar Panel

Solar Eye

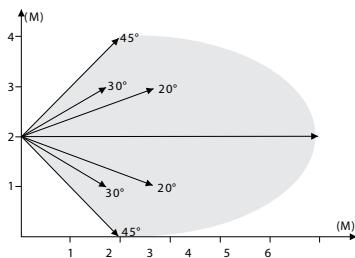
IR Sensor

Technical Data

Model NO.	SCL5/8	SCL5/12	SCL8/12	SCL8/12-AC	SCL8/18	SCL5/18	
Catalogue P/N	AE482100.1A	AE482120.1A	AE483220.1	AE483220.11	AE483FP0.1	AE482FP0.1	
Physical Specification							
Light Source	5W LED lamp	5W LED lamp	8W LED lamp	8W LED lamp	8W LED lamp	5W LED lamp	
Solar Module	8W	12W	12W	12W	18W	18W	
Lithium Battery	2AH	4AH	4AH	4AH	8AH	8AH	
AC Input	NO	NO	NO	100~240V AC	NO	NO	
Infrared Sensor	Yes	Yes	Yes	Yes	Yes	Yes	
Over charge/discharge protection	Yes	Yes	Yes	Yes	Yes	Yes	
Dimension	470(L)×290(W)×46(T)mm	568(L)×306(W)×56(T)mm			688(L)×306(W)×56(T)mm		
Net Weight	4.0 Kg	4.8 Kg	4.8 Kg	5.1 Kg	6.0 Kg	6.0 Kg	
Light Output							
Luminous flux (typ.)	Bright mode:	410lm	410lm	680lm	680lm	680lm	410lm
	Dim mode:	120lm	120lm	200lm	200lm	200lm	120lm
View Angle	120°	120°	120°	120°	120°	120°	
Color Temperature	6000K~7000K	6000K~7000K	6000K~7000K	6000K~7000K	6000K~7000K	6000K~7000K	
Light Sensitivity (typ.)	30 lx	30 lx	30 lx	30 lx	30 lx	30 lx	
Run Time*	Bright mode:	≥ 4 hrs	≥ 8 hrs	≥ 5 hrs	The same as SCL8/12. Switches to AC power automatically when the battery is depleted	≥ 8 hrs	≥ 12 hrs
	Dim mode:	≥ 12 hrs	≥ 24 hrs	≥ 15 hrs		≥ 24 hrs	≥ 36 hrs
Environmental Rating							
Operating Temperature Range	-20°C ~+70°C						
Storage Temperature Range	-20°C ~+70°C						
IP Rate	IP65						
Installation							
Recommended Installation Height Range	2.5~3m	2.5~3m	3~4m	3~4m	3~4m	3~4m	
Recommended Installation Distance of Poles Range	8~10m	8~10m	10~15m	10~15m	10~15m	8~10m	

*Run times as above are based on 8 hours testing in the summer season, measured at latitude 22, east longitude 113. Actual run times might be different depending on seasons, amount of sunlight exposure, interference to sunlight due to trees or other obstructions.

Infrared Sensor



Solar Eye operates in Dim mode until approached, which will activate the light to high mode. When out of range the light will automatically reset to the dim mode saving battery power.

Solar Eye **5W/8W LED Light Illuminance Distribution** (Unit: lx)

Illuminance Distribution of 8W LED Lamp @ at 4m and **bright mode**

2.8	3.7	4.6	5.5	6.4	7	6.4	5.9	4.9	4	3.3	5m
3.3	4.4	6	7.6	8.9	9.4	8.8	7.5	6	4.7	3.7	4m
3.6	5.1	7.2	9.6	12	12	12	9.5	7.5	5.5	4.1	3m
3.6	5.3	8.2	11	14	15	14	12	8.4	5.9	4.1	2m
3.7	5.4	8.2	12	15	17	15	12	8.5	6	4.2	1m
5m	4m	3m	2m	1m	0	1m	2m	3m	4m	5m	

Illuminance Distribution of 8W LED Lamp @ at 4m and **dim mode**

1.6	2	2.5	2.8	3.2	3.1	3.3	3	2.5	2	1.7	5m
1.8	2.3	3	3.7	4.2	4.2	4.3	3.7	3	2.3	1.9	4m
1.9	2.7	3.5	4.5	5.3	5.6	5.5	4.5	3.5	2.7	2.1	3m
1.9	3	3.9	5.5	6.4	6.9	6	5.4	3.9	2.9	2.2	2m
2	3.6	3.9	6.6	6.8	7.6	7	5.6	4	3	2.2	1m
5m	4m	3m	2m	1m	0	1m	2m	3m	4m	5m	

Illuminance Distribution of 5W LED Lamp @ at 4m and **bright mode**

1.9	2.4	2.9	3.6	4.1	4.5	4.2	3.7	3.2	2.6	2	5m
2.2	3	3.9	4.8	5.7	6.3	5.9	5	4.1	3.1	2.3	4m
2.4	3.4	4.7	6.3	7.4	8.6	8.1	6.5	5	3.6	2.6	3m
2.5	3.7	5.4	7.6	10	11	10	7.9	5.8	4.1	2.8	2m
2.5	3.7	5.5	7.9	11	12	11	8.6	6.2	4.2	2.8	1m
5m	4m	3m	2m	1m	0	1m	2m	3m	4m	5m	

Illuminance Distribution of 5W LED Lamp @ at 4m and **dim mode**

1	1.2	1.5	1.8	2	2.1	2	1.8	1.5	1.3	1	5m
1.1	1.4	1.9	2.3	2.7	2.9	2.7	2.4	1.9	1.6	1.2	4m
1.2	1.6	2.2	3	3.6	4	3.7	3.1	2.3	1.8	1.3	3m
1.3	1.8	2.6	3.5	4.6	5.6	4.6	3.7	2.7	2	1.4	2m
1.3	1.8	2.6	3.7	4.9	6.5	5.1	4	2.9	2.1	1.4	1m
5m	4m	3m	2m	1m	0	1m	2m	3m	4m	5m	

Physical Dimension

