



• Support Municipal Electricity Supply

ISC AMENITY SOLAR LIGHT
10W/20W/30W



100+ Patent Certificates
\$1,000,000+ Annual Energy Saving
10,000+ Projects Successfully Installed

OVER YEARS 
10 EXPERIENCE
www.aokledlight.com

> Features of SC Series

• The design of SC series LED solar light comes from the inspiration of art, it is combined with best the energy-saving parts--solar panel, LED light, and LiFeP04 battery. With the controller and MPPT, it realizes the functions of high brightness with low energy consumption, long lifespan, and easy maintenance. At the same time, streamlined appearance design blends with the surrounding environment smoothly, to create a beautiful urban landscape.

- Power range: from 10W to 30W;
- Municipal electricity supply optional;
- Deep cycle battery, charge and discharge over 2000 times.
- Continuously work 2-3 rainy days under intelligent mode.
- Die-cast aluminum fixture housing ;
- UV stabilized polyester powder paint finish for durability and corrosion resistance;
- Mounting options: Post Top installation;
- Streamlined design to reduce wind resistance;
- Optical systems maintain an IP65 rating;
- ULOR=0%, no up light pollution;
- MPPT intelligent controller.

UP TO 180 lm/W	L90B10 >52000hrs @ 25°C	ULR =0	• 3000K • 4000K • 5000K • 5700K • 6500K
CRI 70	IP65	DIM	Working Temperature Environment -10°C~50°C (14°F ~ 122°F)



Integrated Design
Solar Panel combined with Battery Box

25 Years Lifespan	Conversion Rate up to 21%	Integral Monocrystalline Silicon Solar Panel



Lifespan Cycle ≥2000 Times Intelligent Temperature Control

3 **WARRANTY**
3 Year Limited Warranty,
Please consult with our sales
for detailed agreement.

wally@aokledlight.com
+1 626-986-4050 (US)
+86 755 2357 9148 (CN)
©2022 AOK LED LIGHT CO., LTD. All Right Reserved.

AOK
Quality, Honesty, Service and Innovation

> Photometrics Design

Lumen efficiency >180lm/W
achieve higher illumination



High Efficiency



Long Lifespan



Less Calorific Value

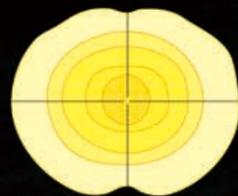


Low Light Decay



- The light engine takes advantage of the latest generation of mid-power LEDs and dedicated optics for professional applications.
- 5050 LED chips provide lighting solutions from high-level special lights to very cost-effective but excellent quality luminaires.

Photometry Design



TYPE V (T502)

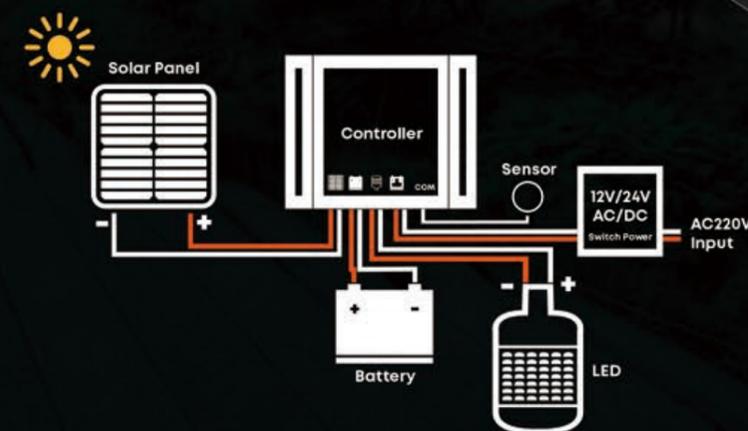
Pedestrian cityscape requires an architectural luminaire to enhance the site by day and to provide visual comfort and security by night.

SC series offers precise optical control up to 180 lumens per watt with distinct optimally designed distributions.

Other optics types customizable.

Working Way

Municipal Electricity Complementary Solution Optional



Standard Configuration Version

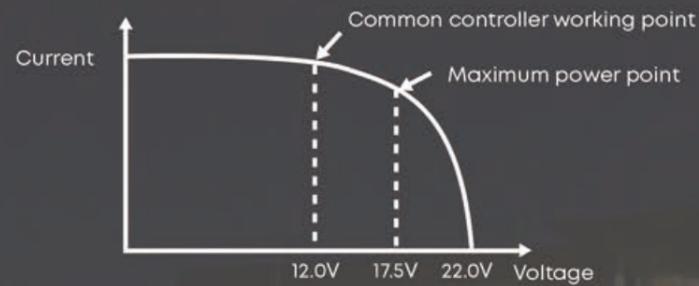


Municipal Electricity Complementary Solution, the power supply is placed internal, and it is easy to replace.

> Application Reference

- Road lighting
- Area lighting
- Garden and park lighting

Advantages of controller



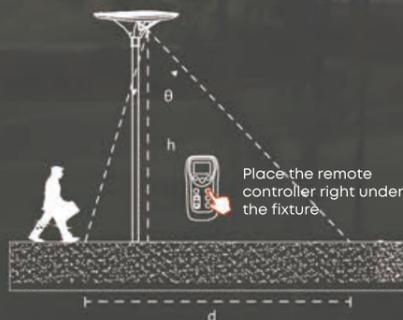
(take 12V battery system as an example)

- 1) Moving Track MPPT maximum power tracking technology is adopted to improve the tracking efficiency and speed by more than 20%;
- 2) UltraGreen power control technology with extremely low static power consumption and sleep current;
- 3) 10 time-periods programmable load power/time control;
- 4) Multiple intelligent power modes can be selected, and the load power can be automatically adjusted according to the battery power;
- 5) Multiple protection functions such as battery /PV reverse connection protection, LED short circuit/open circuit/power limit protection;
- 6) Aluminum metal housing, IP67 waterproof rating, can be used in a variety of harsh environments
- 7) Extensible IoT remote communication monitoring function;

Detection distance

Remote control distance 5-8 meters, installation height and environment and other factors will affect the controller sensitivity, please refer to the actual field.

Note: Please do not place 2 or more lights within 12 meters at the same time while using the remote controller, receiving or sending may fail.



Inductive Type	θ (Angle)	h (Height of lamp rod)	d (Inductive width)
IR (Infrared)	60°	6-8m	6-10m
WB (Microwave)	65°	6-10m	7-10m

*Remote control is optional



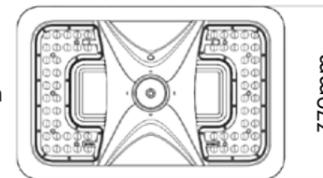
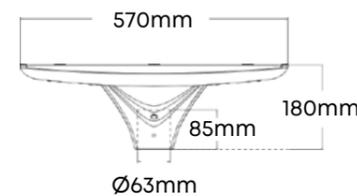
Parameter Table

Electrical Data			
Model	AOK-SC10	AOK-SC20	AOK-SC30
Power	10W	20W	30W
Control function	MPPT intelligent controller		
Working mode	2H-Detected-100%, None-30%; 3H-Detected-70%, None-10%; Detected-40%, None-10% to dawn		
Photometric Data			
LED model	5050		
Efficacy (lm/W, Std Dev ±3%)	180lm/W	180lm/W	180lm/W
Luminous flux (lm, Std Dev ±3%)	1800lm	3600lm	5400lm
Lens	Polycarbonate		
CCT	3000K, 4000K, 5000K, 5700K, 6500K		
CRI	70Ra		
Mechanical Data			
IP Rating	IP65		
Housing	Aluminum		
Mounting	Round pole (Ø60mm)		
Painting	Black, Custom request		
Solar Panel Data			
Solar Panel	18V, 35W	18V, 35W	18V, 35W
Battery voltage(AH)	12.8V 6AH	12.8V 12AH	12.8V 18AH
Li-ion Battery(WH)	76.8WH	153.6WH	230.4WH
Charing Time	2-3Hrs	4-5Hrs	7-8Hrs
Run Time(@full power)	6.9Hrs	6.9Hrs	6.9Hrs
Ambient & Storage Temperature	-10°C to 50°C (14°F to 122°F) / -20°C~45°C (-4°F to 113°F)		
Maximum Autonomy	Operate 2~3 rainy days under intelligent model.		
Others			
SCx(EPA)	Top View - 0.249m² (2.68ft²); Front View - 0.045m² (0.48ft²); Side View - 0.042m² (0.45ft²)		
Certification	FCC / CE / RoHS (The company is ISO 9001 and ISO 14001 certified.)		
Product Size	570*370*180mm		
Carton Size	645*445*240mm		
Net Weight	4.8kg	5.4kg	6kg
Gross Weight	6.6kg	7.2kg	7.8kg
Warranty	3 years (Warranty extension on request)		
Recommend installation height	3-4m	3-6m	5-7m
Application field	Garden / Park / Side walk		

Ordering Information

AOK	MODEL	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING
	SC10	NV=12.8V DC	A5=5050	00=Without Sensor	3070=3000K 70CRI	T5=TYPE V	A=Post Top	SG=Silver Gray
	SC20			PIR=PIR Sensor	4070=4000K 70CRI			BK=Black
	SC30			MS=Micro wave Sensor	5070=5000K 70CRI			
					5770=5700K 70CRI			
					6570=6500K 70CRI			

Dimension

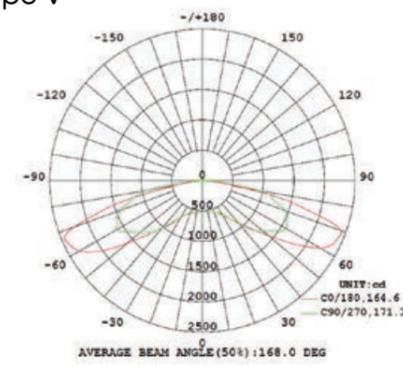


Housing Color

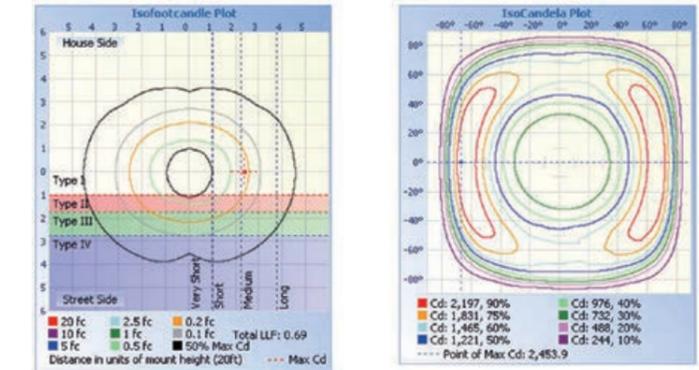


Photometry

Type V

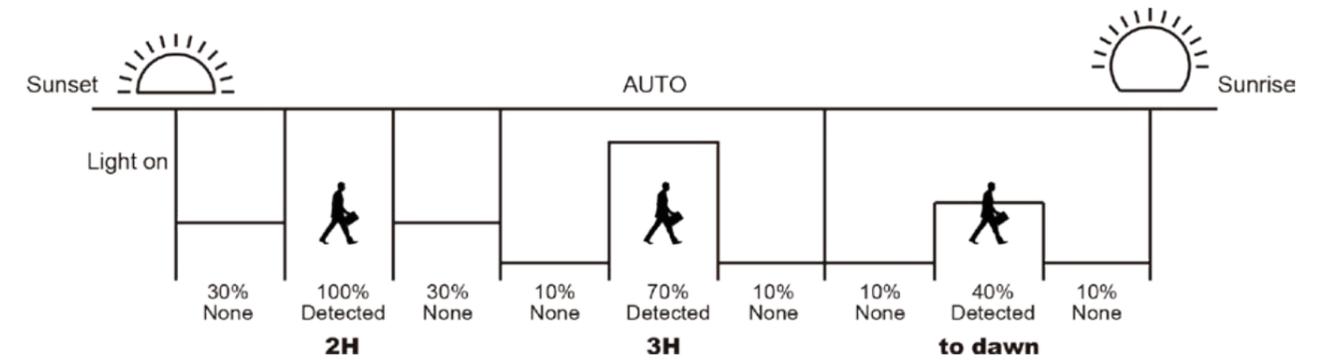


Illuminance Diagram

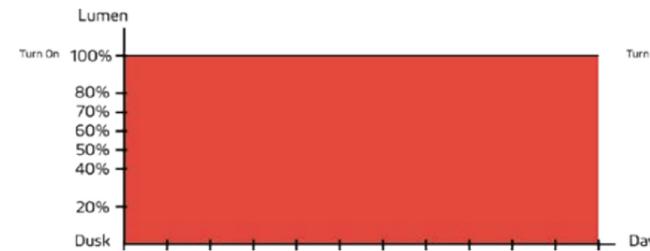


Autonomy Control Reference

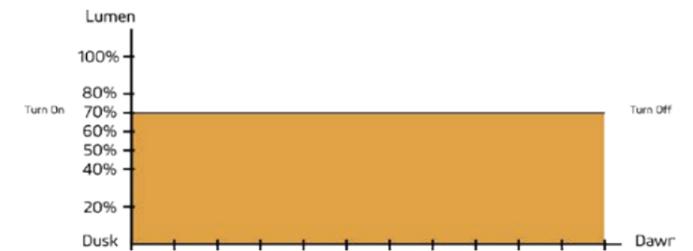
2H-Detected-100%, None-30%;
3H-Detected-70%, None-10%;
Detected-40%, None-10% to dawn



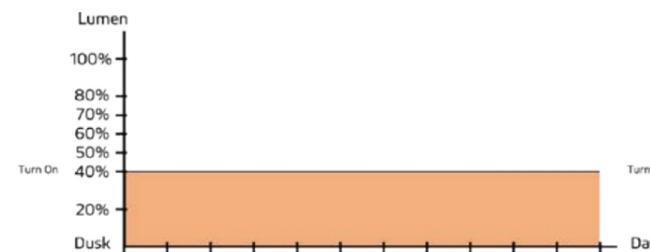
100% CONSTANT MODE
100% brightness from dusk to dawn.



70% CONSTANT MODE
70% brightness from dusk to dawn.



40% CONSTANT MODE
40% brightness from dusk to dawn.



SC Series Specification Sheet

*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.

wally@ookledlight.com
+1 626-986-4050 (US)
+86 755 2357 9148 (CN)

©2022 AOK LED LIGHT CO., LTD. All Right Reserved.





Illuminate Your Future



● WARRANTY

3 Year Limited Warranty,
Warranty extension on request.
Please consult with our sales for detailed agreement.

wally@aokledlight.com
www.aokledlight.com
+1 626-986-4050 (US)
+86 755 2357 9148 (CN)

Manufacturing: Building 1 & 4, St. George's Science and Technology Industrial Park, Shajing Street, Shenzhen, China, 518124.
Fuzhou HQ: Room 301, Yujing Business Center Zone 1, No. 12 Baihuazhou road, Cangshan district, Fuzhou, China, 350007
NorthAmerica HQ: 18541 E Gale Ave, City of Industry, CA91748 USA

Copyright ©2022 AOK LED LIGHT CO., LTD. All Right Reserved.