



• Support Municipal Electricity Supply

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

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%, noup-lightpollution;
- MPPT intelligent controller.

UP TO 200 LM/W	L90B10 >52000hrs @ 25°C	ULR =0	• 3000K • 4000K • 5000K • 5700K • 6500K
CRI 70	IP65	DIM	Working Temperature Environment -10°C~60°C (14°F ~ 140°F)



Integreted 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 *****	5 *****	WARRANTY 3 Year Limited Warranty, 5 Year Preferred Warranty. Please consult with our sales for detailed agreement.
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> Photometrics Design

Lumen efficiency >200LM/W
achieve higher illumination



High Efficiency



Long Lifespan



Less Calorific Value

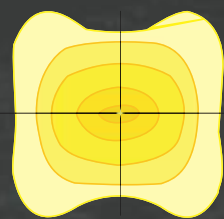


Low Light Decay



- 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

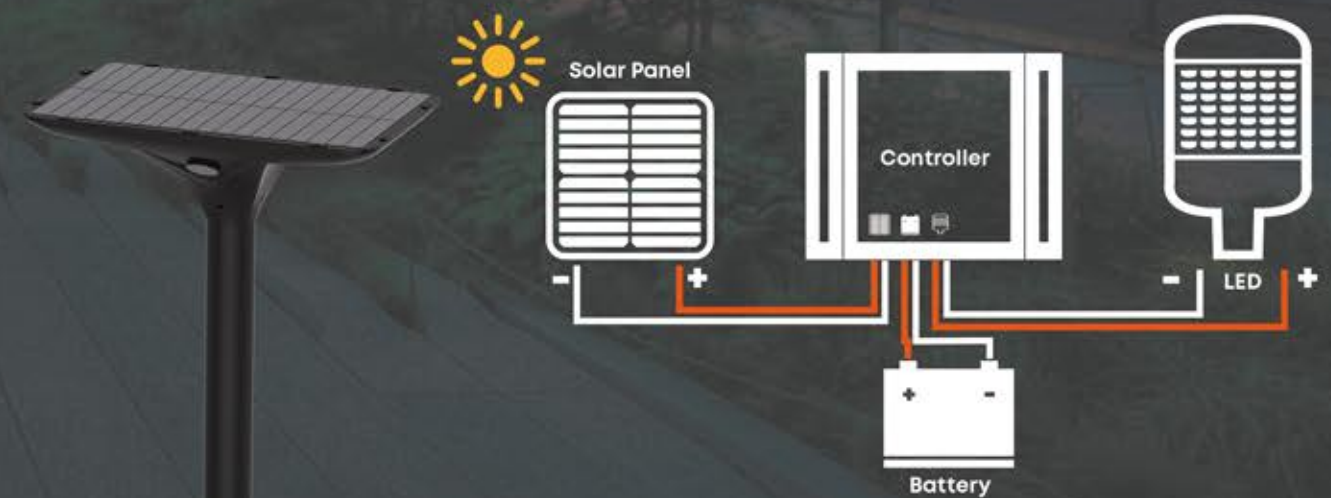


TYPE V (T502)

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 200 lumens per watt with distinct optimally designed distributions.

Working Way



► Application Reference

- Road lighting
- Area lighting
- Garden and park lighting



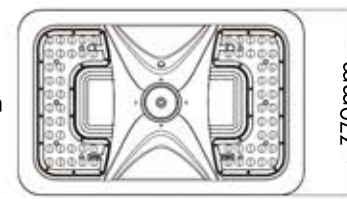
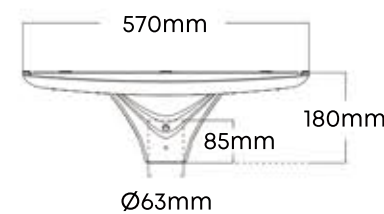
Parameter Table

Electrical Data			
Model	AOK-SC10	AOK-SC20	AOK-SC30
Power	10W	20W	30W
Control function	MPPT intelligent controller		
Working Mode	2H-100%, 2H-50%, 20% - dawn		
Photometric Data			
LED model	5050		
Efficacy (LM/W, Std Dev ±3%)	200LM/W	200LM/W	200LM/W
Luminous flux (LM, Std Dev ±3%)	2000	4000	6000
Lens	Polycarbonate		
CCT	3000K, 4000K, 5000K, 5700K, 6500K		
CRI	70Ra		
Mechanical Data			
IP Rating	IP65		
Housing	Aluminum+PC		
Mounting	Round pole (Ø60mm)		
Paunting	Black, Custom request		
Solar Panel Data			
Solar Panel	35W	35W	35W
Li-ion Battery	76.8Wh	153.6Wh	230.4Wh
Charing Time	5-7Hrs	6-8Hrs	6-8Hrs
Run Time(@full power)	7.6hrs	7.6hrs	7.6hrs
Working Temperature	-10°C to 60°C (14°F to 140°F)		
Maximum Autonomy	Operate 2~3 rainy days under intelligent model.		
Others			
SCx(EPA)	Top View - 0.249m ² (2.68ft ²); Front View - 0.045m ² (0.48ft ²); Side View - 0.042m ² (0.45ft ²)		
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 up to 5 years on request)		
Recommend installation height	3-4m	3-6m	5-7m
Application field	Garden / Park / Sidewalk		

Ordering Information

AOK	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING
MODEL	NV=12V DC	LA5=AOK 5050	00=Without Sensor	3070=3000K 70CRI	T5=TYPE V	A=Post Top	SG=Silver Gray
SC10			PIR=PIR Sensor	4070=4000K 70CRI			BK=Black
SC20			MS=Microwave Sensor	5070=5000K 70CRI			
SC30				5770=5700K 70CRI			
				6570=6500K 70CRI			

Dimension

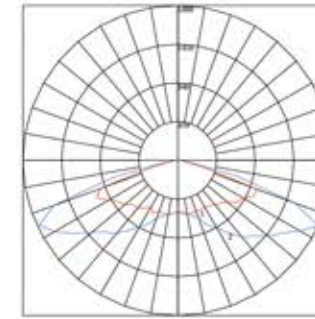


Housing Color



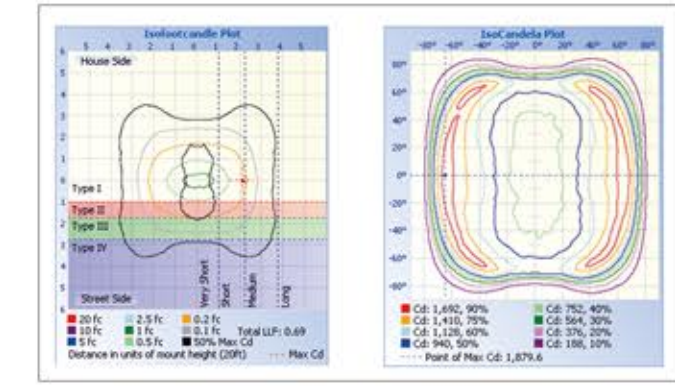
Photometry

Type V



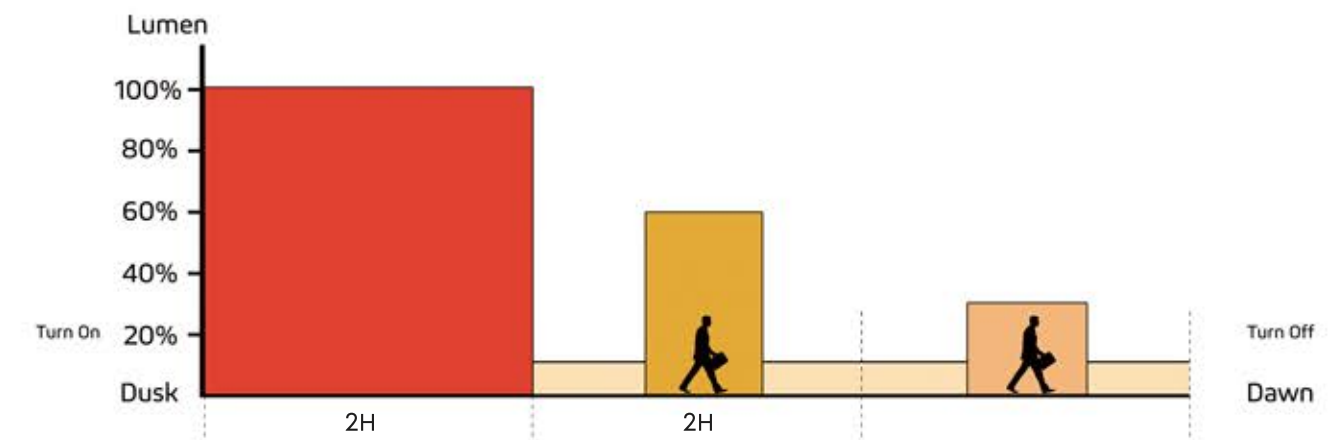
Maximum Candela = 1879.553
 Located At Horizontal Angle = 90, Vertical Angle = 65
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

Illuminance Diagram

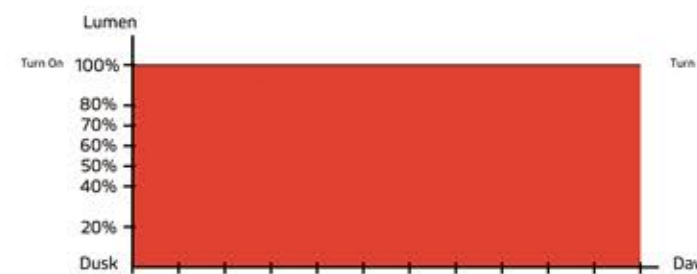


Autonomy Control Reference

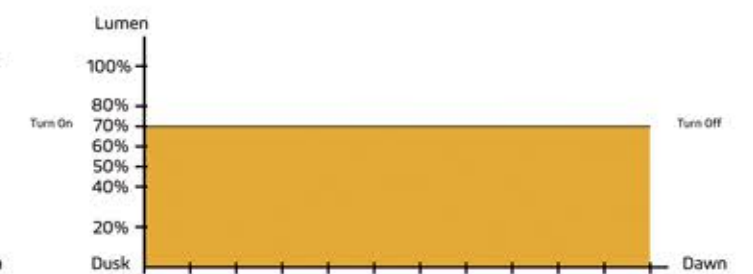
100% Constant mode(2H);
 Constant 10% brightness, 60% brightness turns on when motion is detected;
 Constant 10% brightness, 30% brightness turns on when motion is detected;



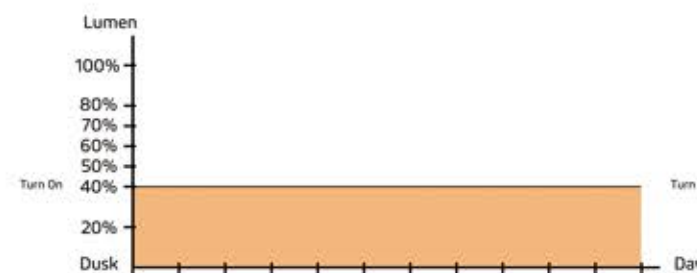
100% CONSTANT MODE
 100% brightness from dusk to dawn.



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.

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Illuminate Your Future



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