



• 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](http://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.

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

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**AOK**  
Quality, Honesty, Service and Innovation

# > Photometrics Design

Lumen efficiency >180lm/W  
achieve higher illumination



High Efficiency



Long Lifespan



Less Calorific Value

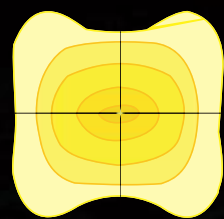


Low Light Decay



- 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



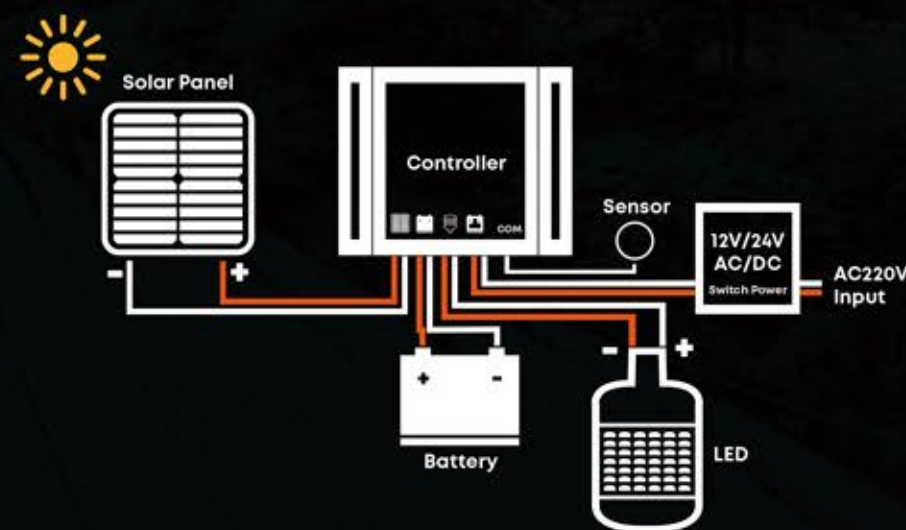
TYPE V (T502)

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



In the Municipal Electricity Complementary solution, the power supply is placed external and fixed based on actual requirements.



# ► Application Reference

- Road lighting
- Area lighting
- Garden and park lighting



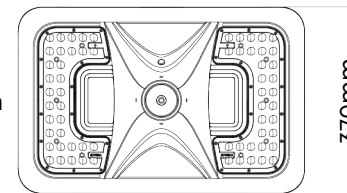
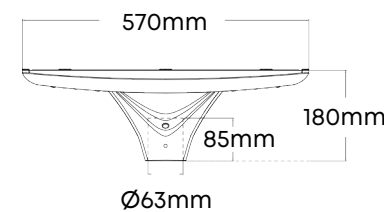
# Parameter Table

| 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% to dawn / 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%) | 1800   | 3600     | 5400     |
| Lens                            | Polycarbonate  |          |          |
| CCT                             | 3000K, 4000K, 5000K, 5700K, 6500K  |          |          |
| CRI                             | 70Ra   |          |          |
| Mechanical Data                 |  |          |          |
| IP Rating                       | IP65   |          |          |
| Housing                         | Aluminum+PC  |          |          |
| Mounting                        | Round pole (Ø60mm)   |          |          |
| Painting                        | 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   |
| Ambient Temperature             | -10°C to 50°C (14°F to 122°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 / Sidewalk   |          |          |

# Ordering Information

| AOK  | MODEL     | VOLTAGE      | LED CHIPS            | TYPE OF SENSOR   | CCT&CRI   | DISTRIBUTION | MOUNT          | HOUSING |
|------|-----------|--------------|----------------------|------------------|-----------|--------------|----------------|---------|
| SC10 | NV=12V DC | LA5=AOK 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=Microw ave Sensor | 5070=5000K 70CRI |           |              |                |         |
|      |           |              |                      | 5770=5700K 70CRI |           |              |                |         |
|      |           |              |                      | 6570=6500K 70CRI |           |              |                |         |

# Dimension

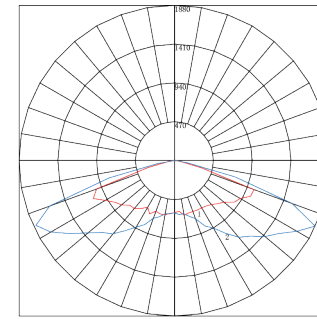


# Housing Color



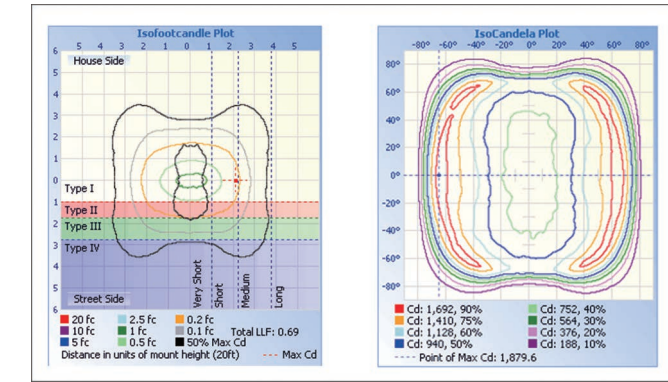
# Photometry

Type V



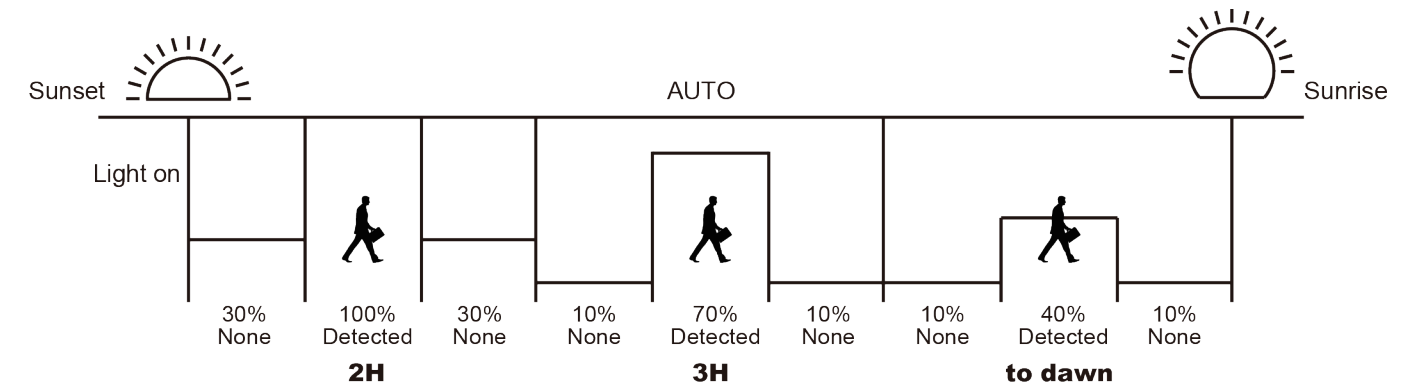
Maximum Candela = 1879.553  
 Located At Horizontal Angle = 90, Vertical Angle = 65  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

# Illuminance Diagram

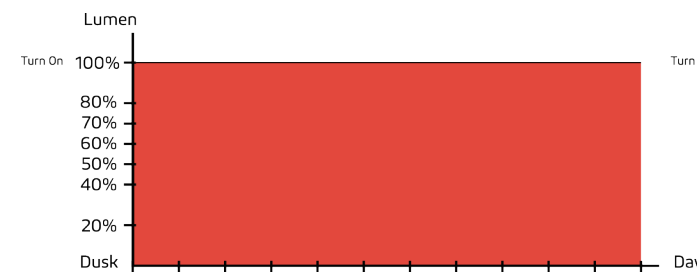


# Autonomy Control Reference

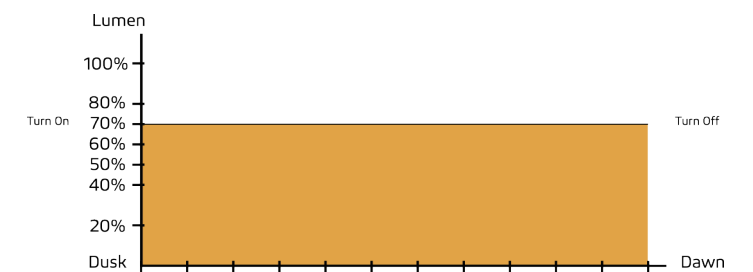
2H-Detected-100%, None-30%;  
 3H-Detected-70%, None-10%;  
 Detected-40%, None-10% to dawn



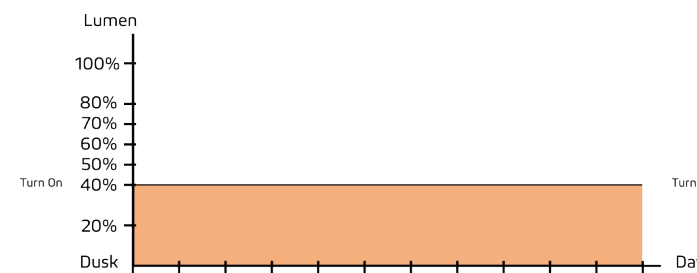
100% CONSTANT MODE  
 100% brightness from dusk to dawn.



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.

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# Illuminate Your Future



● WARRANTY

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