



**SLA** SOLAR STREET LIGHT  
5W/10W/15W



OVER YEARS   
**10 EXPERIENCE**  
[www.aokledlight.com](http://www.aokledlight.com)

## > Features of SLA Series

• The design of SLA series LED solar light comes from the inspiration of economic environmental protection and cost-effective, it is combined with best the energy-saving parts--solar panel, LED light, and lithium iron phosphate battery. With the Induction dimmer intelligent controller, it realizes the functions of high brightness with low energy consumption, long lifespan, and easy maintenance. At the same time, it blends with the surrounding environment smoothly, to create a beautiful urban landscape.

- 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: Side Entry, Universal-Round, Universal-Square, Round/Square Pole Extended;
- Streamlined design to reduce wind resistance;
- Optical systems maintain an IP65 rating;
- ULOR=0%, noup-light pollution;
- Induction dimmer intelligent controller, presence detection sensor optional;
- Support remote control;

UP TO <b>180</b> lm/W	<b>L90B10</b> >100000hrs @ 25°C	<b>ULR</b> =0	3000K 4000K 5000K 5700K 6500K	<b>CRI</b> 70
<b>IP65</b>	<b>DIM</b>	Working Temperature Environment -10°C~50°C (14°F ~ 122°F)	<b>REMOTE CONTROL</b>	



**Integrated Design  
Solar Panel combined with Battery Box**

<b>25 Years Lifespan</b>	<b>Conversion Rate up to 21%</b>	<b>Integral Monocrystalline Silicon Solar Panel</b>



<b>Long Lifespan Cycle Intelligent Temperature Control</b>

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# > Photometrics Design

Single 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 II (T202)



Asymmetric distribution, Type II can be used in long and narrow aisles/lanes/sidewalks.

### TYPE III (T302)

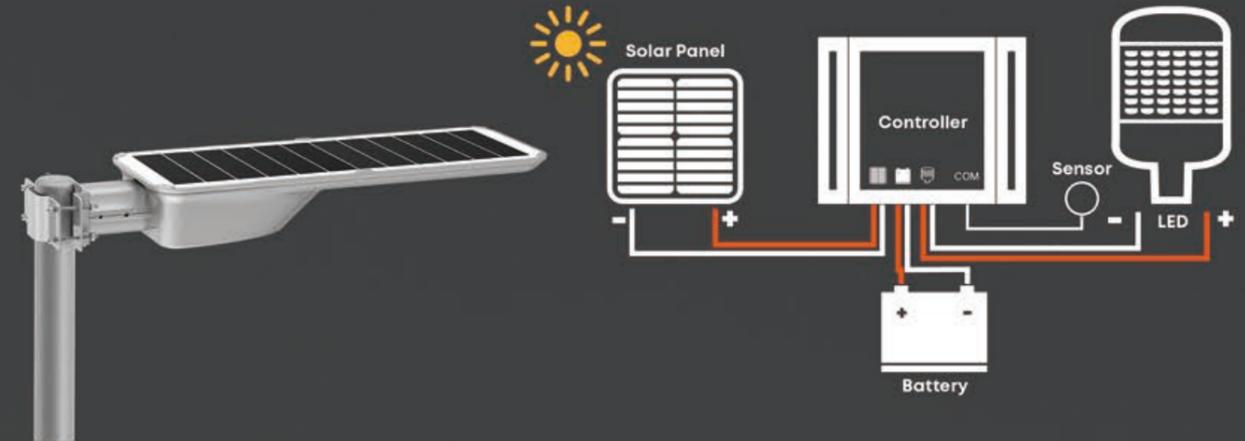


Asymmetric distribution, Type III can be used in wide road parking areas, or at corner areas.

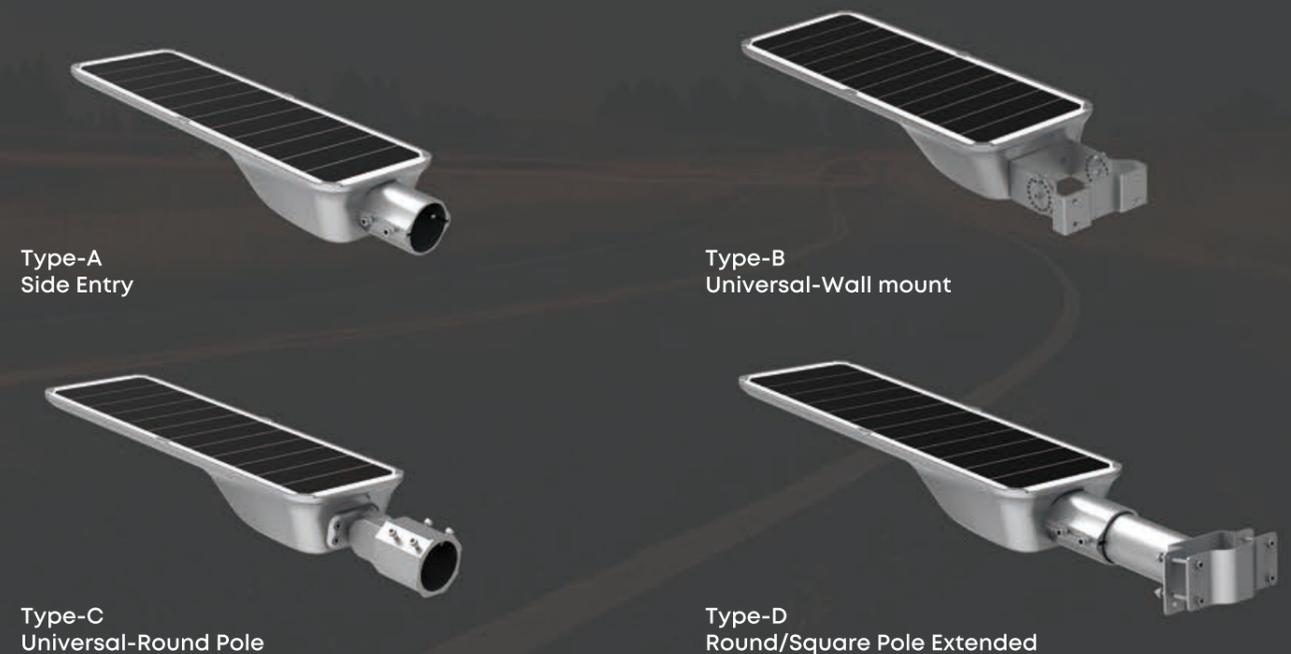
Pedestrian cityscape requires an architectural luminaire to enhance the site by day and to provide visual comfort and security by night.

SLA series offers precise optical control up to 200 lumens per watt with distinct optimally designed distributions.

## Working Way



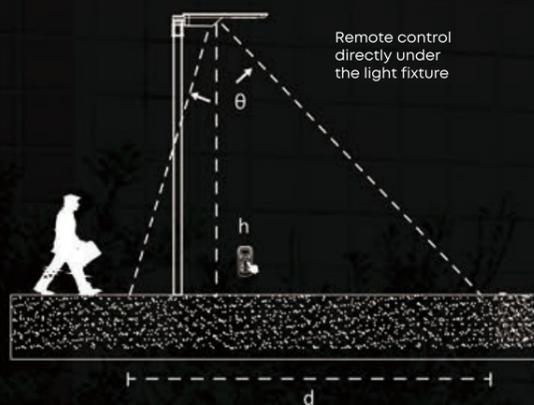
## Mounting Options



# > Application Reference



## 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	$\theta$ (Angle)	h (Height of lamp rod)	d (Inductive width)
IR (Infrared)	60°	3-5m	6-10m

\*Remote control is optional



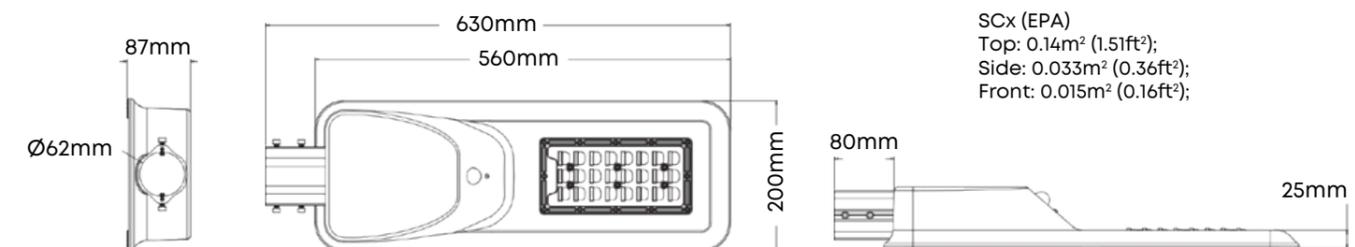
# Parameter Table

Electrical Data			
Model	AOK-SLA5	AOK-SLA10	AOK-SLA15
Power	5W	10W	15W
Control option	Induction dimmer intelligent controller, Presence detection sensor		
Work mode	Induction dimmer		
Photometric Data			
LED manufacturer	AOK		
LED model	5050		
Lens	Polycarbonate		
Efficacy(lm/W, Std. Dev. ±3%)	180lm/W	180lm/W	180lm/W
Luminous flux (lm, Std. Dev. ±3%)	900lm	1800lm	2700lm
CCT	3000K, 4000K, 5000K, 5700K, 6500K		
CRI	70Ra		
Beam angle	Type II (162.3°x55.7°)/Type III (154.4°x31°)		
Mechanical Data			
IP rating	IP65, according to standard EN 60529		
Housing	Heavy-duty die-cast aluminum (EN AC-46100)		
Surface treatment	Anti-UV thermosetting polyester		
Painting	Black, Silver gray, Custom request		
Mounting	Side Entry, Universal-Wall Mount, Universal-Round Pole, Round/Square Pole Extended		
Solar Panel Data			
Photovoltaic panel	Monocrystalline silicon solar panel		
Solar panel	18W	18W	18W
Battery voltage(AH)	3.2V 12AH	3.2V 24AH	3.2V 36AH
Li-ion battery(WH)	38.4WH	76.8WH	115.2WH
Charing time	2.4Hrs	4.7Hrs	7.1Hrs
Run time(@full power)	6.9hrs	6.9hrs	6.9hrs
Ambient Temperature	-10°C to 50°C (14°F to 122°F)		
Storage Temperature	-20°C to 45°C (-4°F to 113°F)		
Maximum autonomy	Operate 2-3 rainy days under intelligent model.		
Others			
Warranty	Warranty on request		
Certification	FCC/CE/RoHS (The company is ISO 9001 and ISO 14001 certified.)		
Product Size	630*200*87mm		
Net Weight	3.0kg	3.5kg	4kg
Carton Size	710*280*165mm		
Gross Weight	4.0kg	4.5kg	5kg
Recommend installation height	3-5m	4-6m	5-7m
Application field	Parks and courtyards, Parking lots, Village roads, Area lighting		

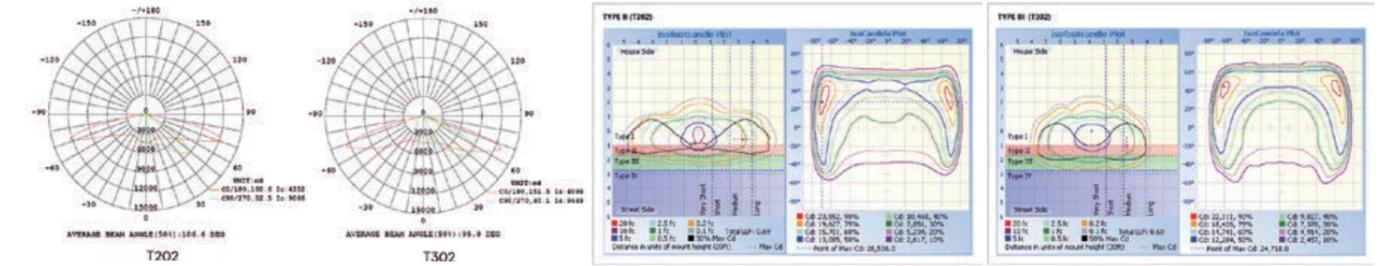
# Ordering Information

AOK	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING
SLA5	NV=3.2V DC	A5=5050	00=Without Sensor	3070=3000K 70CRI	T2=TYPE II	A=Side Entry	SG=Silver Gray
SLA10			SN=Motion Sensor	4070=4000K 70CRI	T3=TYPE III	B=Universal-Square Pole	BK=Black
SLA15				5070=5000K 70CRI		C=Universal-Round Pole	Custom request
				5770=5700K 70CRI		D=Round/Square Pole	
				6570=6500K 70CRI		Extended	

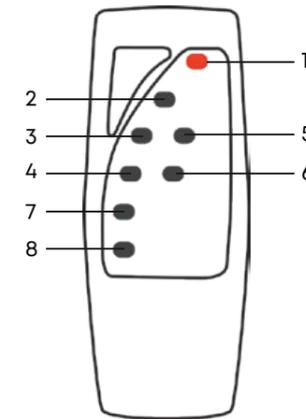
# Dimension



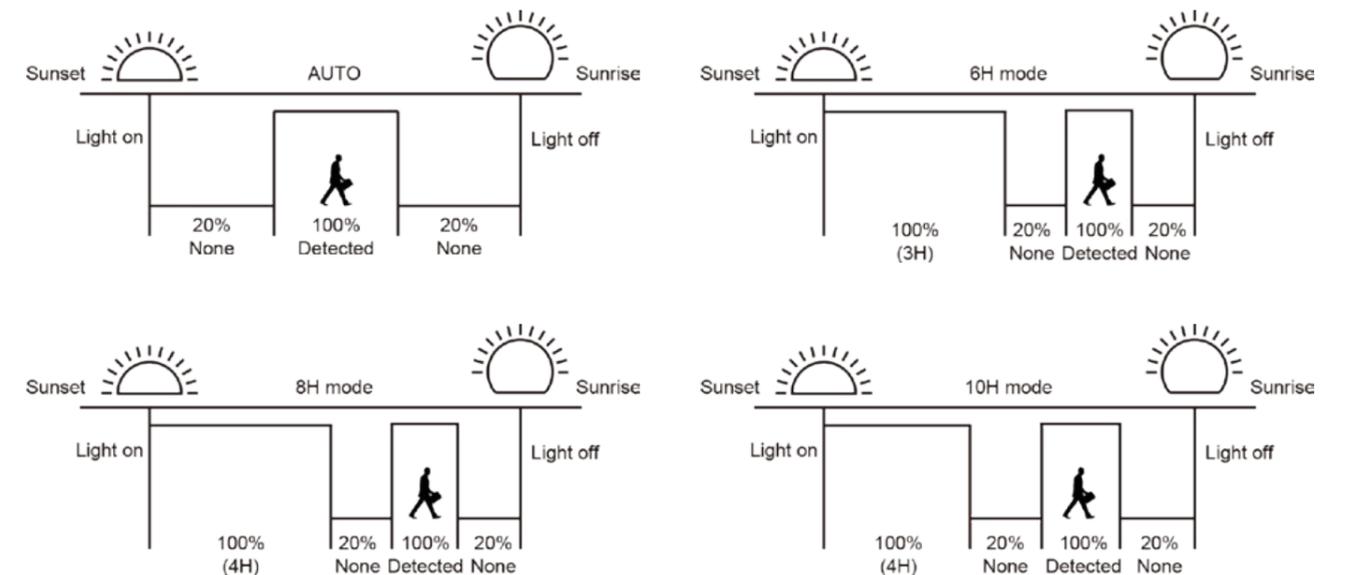
# Photometry & Illuminance Diagram



# Autonomy Control Reference



- 1) AUTO: Detected-100%, None (for 10s)-20%;
- 2) 6H: 3hrs-100%; 3hrs-Detected-100%, None (for 10s)-20%;
- 3) 8H: 4hrs-100%; 4hrs-Detected-100%, None (for 10s)-20%;
- 4) 10H: 4hrs-100%; 6hrs-Detected-100%, None (for 10s)-20%;
- 5) ON: Light turn ON;
- 6) OFF: Light turn OFF;
- 7) Icon 1: Brightness -;
- 8) Icon 2: Brightness +;



# SLA 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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