

## GA118-SSLC



### Features

- Highly efficient with 180-200lm/w efficacy
- Die-casting aluminum housing, robust and durable
- Lumen packages from 3600lm to 16000lm
- Protection grade is IP66 / IK08
- LiFePO<sub>4</sub> battery with 2000 lifecycles, safe and reliable
- Highly quality monocrystalline solar panel
- 2-3 overcast days autonomy
- Smooth surface design reduces debris and self clean under rainy weather
- Easy access to battery compartment
- Post top and side entry optional with  $\phi 60$  and 76mm spigot alternatives
- Adjustable LED module optional
- $\pm 90^\circ$  luminaire mounting angles adjustable
- 2 years warranty
- Solar and hybrid options
- Coupled with motion sensor for longer working hours
- Suitable for roads, streets, parks, parking lots, campuses etc.

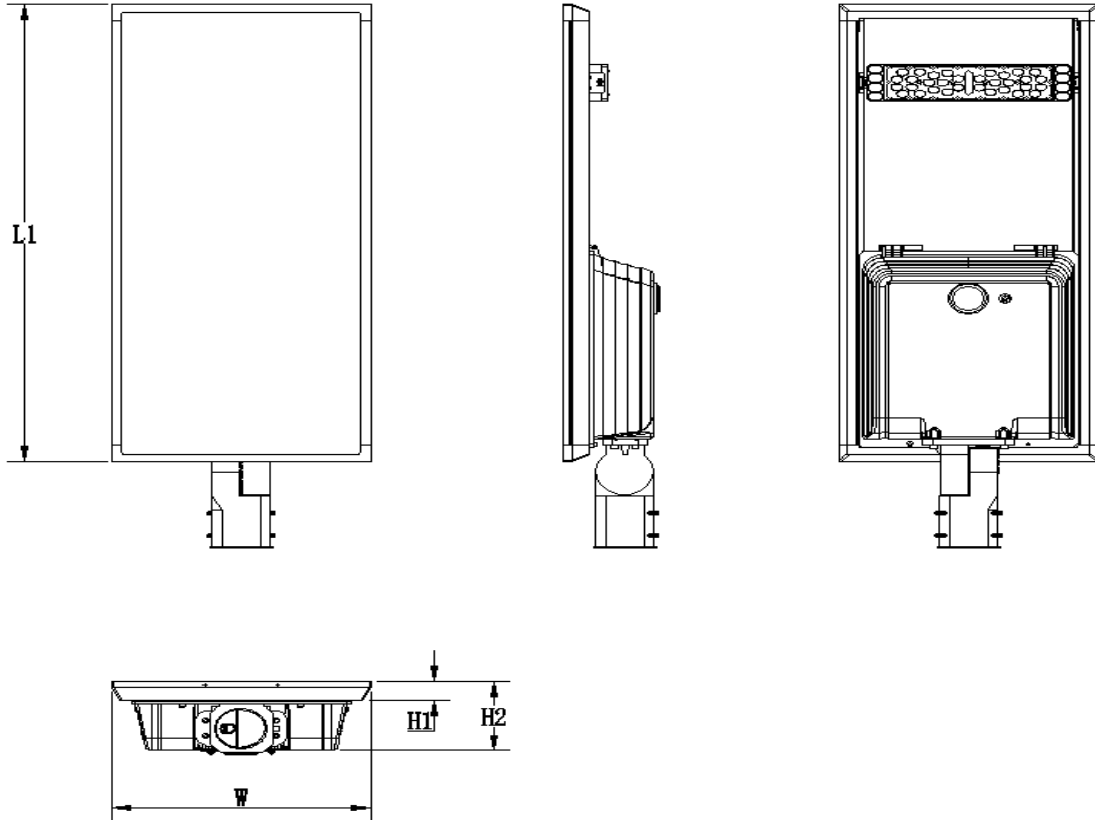
# Solar Street Light Specification

## Product Parameters:

Product Model	GA118-SSLC06-20W	GA118-SSLC03-30W	GA118-SSLC04-40W	GA118-SSLC05-50W	GA118-SSLC01-60W	GA118-SSLC02-80W	GA118-SSLC09-90W
System Voltage	12V			24V			
Monocrystalline Solar Panel	40W/18V	40W/18V	50W/18V	60W/36V	80W/36V	100W/36V	120W/36V
LiFePO <sub>4</sub> Battery	12.8V/15AH	12.8V/18AH	12.8V/24AH	25.6V/15AH	25.6V/18AH	25.6V/24AH	25.6V/36AH
Charge Time (H)	4.8	5.8	6.2	6.4	5.8	6.2	6.4
Full Power Working Time (H)	9.6	7.7	7.7	7.7	7.7	7.7	8.6
Output Power (W)	20	30	40	50	60	80	90
Control Mode	Infrared Induction:Height=6m,Width=7m Microwave Induction:Height=8m,Width=10m Photocontrol+Time Control						
Hybrid	Optional						
LED Life Time	>100,000 Hrs (L70@Ta=25°C)						
Luminaire Efficacy (Tq=25°C)	180lm/W						
Luminous Flux (lm)	3600-4000	5400-6000	7200-8000	9000-10000	10800-12000	14400-16000	16200-18000
Lighting Mode	When people approach:2H100%, 3H50%, 6H20% , 1H30%; When nobody:20%;						
Overcast Days	2-3 Days						
CCT	3000K/4000K/5700K/6500K						
SDCM	≤5						
CRI	70						
Light Distribution	Type II S , Type II M , Type III M						
Charge Temperature	0°C ~ 55 °C						
Discharge Temperature	-20°C ~ 60 °C						
Storage Temperature	0°C~ 45°C						
Warranty	2 years						
Materials	Die-casting Aluminum(Dark Grey Pantone8403C) + PC						
IP/IK	IP66/IK08						
Insulation Class	Class III						
Spigot Diameter (mm)	Φ60/Φ76						
Installation Height (m)	2-4	3-5	4-6	5-7	5-7	6-8	8-10
Maximum projected area (m <sup>2</sup> )	0.22	0.22	0.26	0.37	0.43	0.5	0.62
Wind-Resistance (km/h)	130						
Luminaire Dimension (mm)	543×400×138	543×400×138	640×400×138	914×400×138	1051×400×138	1246×400×138	1538×400×138
Luminaire Packing Dimension (mm)	650×480×245	650×480×245	750×480×245	1025×480×245	1160×480×245	1355×480×245	1647x480x245
Net Weight (±0.2kg)	10	11	12	15	16	18	21
Gross Weight (±0.2kg)	13	14	15	19	20	22	25

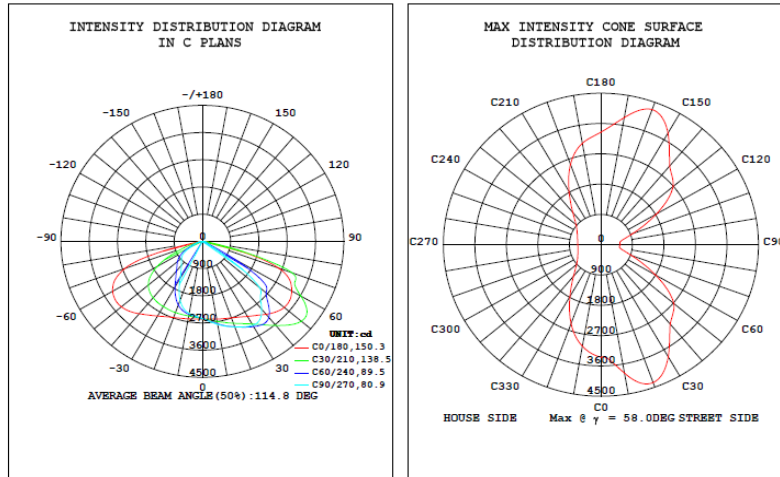
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## Luminaire Dimension:

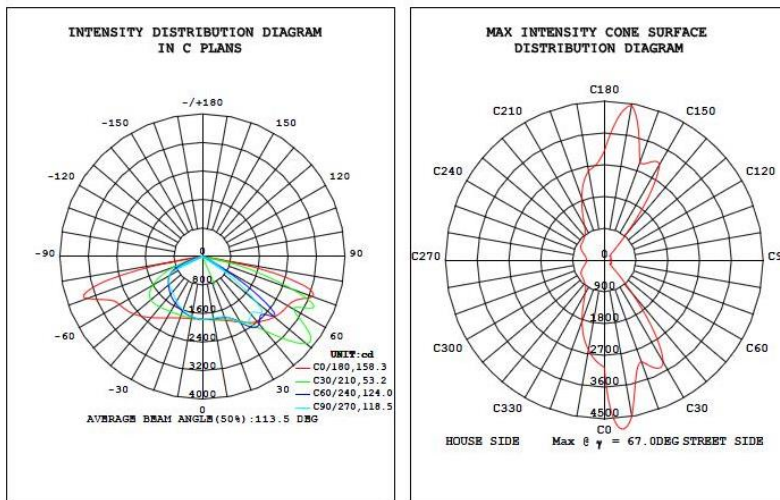


Model No.	Dimension (mm)			
	L1	W	H1	H2
GA118-SSLC06-20W	543	400	39	138
GA118-SSLC03-30W	543	400	39	138
GA118-SSLC04-40W	640	400	39	138
GA118-SSLC05-50W	914	400	39	138
GA118-SSLC01-60W	1051	400	39	138
GA118-SSLC02-80W	1246	400	39	138
GA118-SSLC09-90W	1538	400	39	138

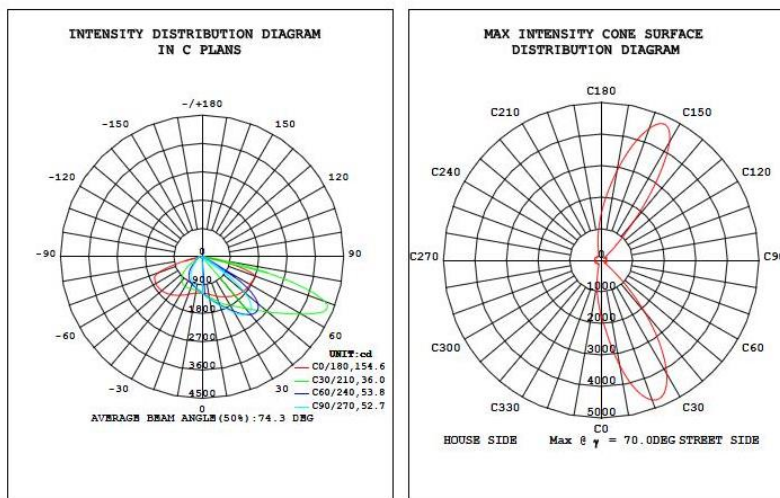
## Light Distributions:



Type II S (5050)



Type II M (5050)



Type III M (3030)

Note: The pictures are only the references of typical light distribution type, and the specific parameters shall be subject to the actual IES of the product.

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## Installation Diagram:



Fixed LED Module



Adjustable LED Module (optional)

1. Install the solar luminaire onto the light pole by tightening the bolts with 15Nm torque.

2. Adjust the mounting angle of solar luminaire when necessary and make sure the luminaire is fixed in place.



3. Adjust the mounting angle of LED module without tool when necessary. (Adjustable LED Module Option Ordered)

4. Turn on the solar luminaire after installation by switching on the on-off button.



## Maintenance:

- For the service life and safer use of this product, please clean and maintain this product regularly.
- Due to the self-discharge of battery, do not store the solar luminaire for more than 6 months. Charge and record regularly when transported and stored for a long time to avoid affecting battery life.
- Do make sure solar panel faces the south with no objects blocking sunlight when assembling solar kits.
- Clean the solar panel regularly due to the heavy dust.
- Do make sure every screw required is fixed in place with no slippage or wrong screws.

## Cautions:

- Power on the solar luminaire after installation
- Do not mount the luminaire onto ordinary combustible materials directly in any circumstances;



- Do not cover the luminaire with any objects;
- Do not use the product in a closed environment;
- The maintenance of the luminaire must be done by professionals;
- The light source, if damaged, shall be replaced with new ones provided by the manufacturer or service team.

**Warning, danger of electric shock**



- Statement: The luminaire complies with the non-hazardous requirements in the photobiological safety standard IEC 62471:2006;
- Product specifications are subject to change without notice.