

Solar LED Street Light Specification



Product Name	Solar LED Street Light
Specification	KR-SSL-40W-Wing KR-SSL-60W-Wing KR-SSL-80W-Wing
Date	2023-05-22
Version	REV 1.0

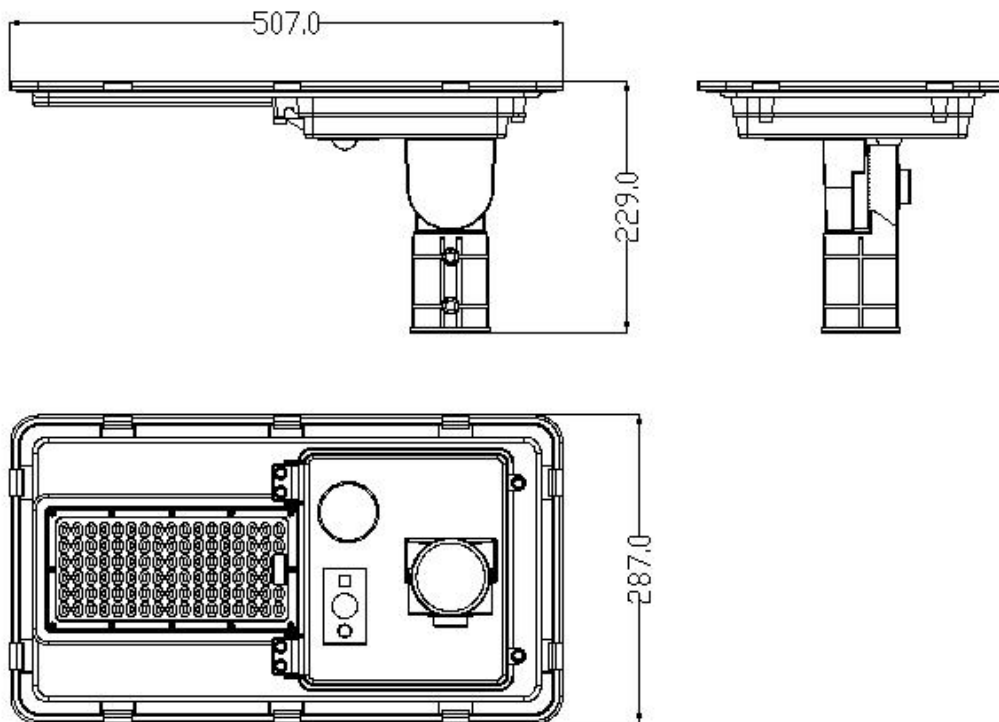
CE RoHS

Prior Features & Benefit

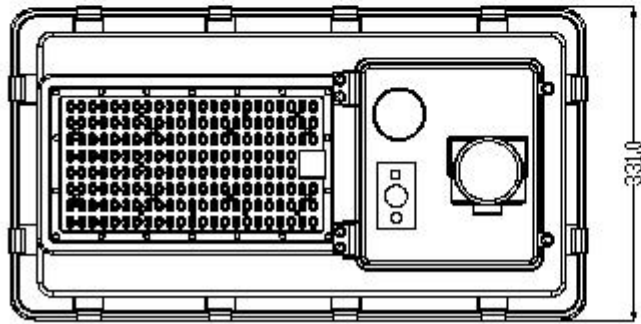
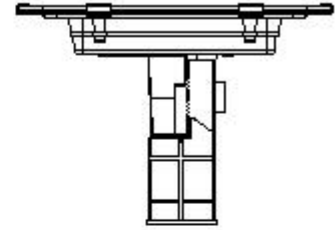
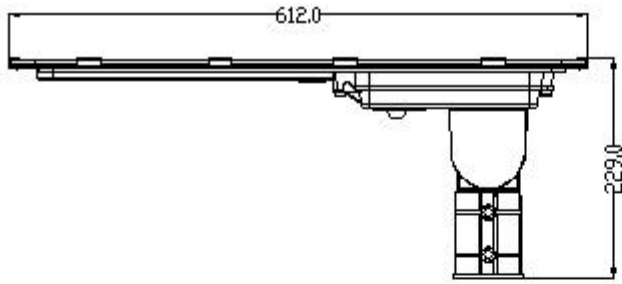
- Modern new all- in-one design.
- Super bright 170lm/w, professional lighting distribution of 140°*70° beam angle, achieve much bigger lighting area.
- Scientific optical lens make output lighting uniform and comfortable, anti-glare.
- Solar panel is 0~90° adjustable for maximum solar charging flexibility.
- Optional work modes by remote control, DIY lighting time & brightness for diverse use.
- Grade-A mono solar panel with laminated glass, big size, 21%+ highly conversion for faster charging, 20years+ lifespan.
- Charged with MPPT, get 25% higher charging efficiency than common, get more adequately solar charging every day, improves lamp capacity and lighting time in different environments.
- Brand new top quality LiFePO4 battery pack with big capacity, 2000 cycles, with over-charge & over-discharge protection, safe and durable.
- Aluminum housing, strong and durable.
- Top level Dual-chip LEDs, higher lighting efficiency, super bright.
- IP65 waterproof.

Lamp Dimension(mm)

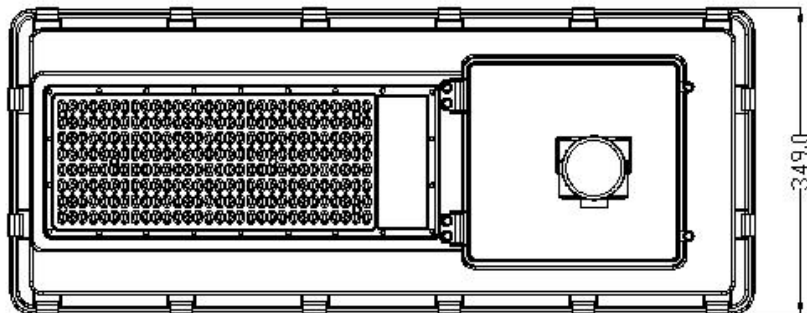
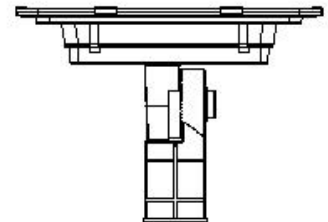
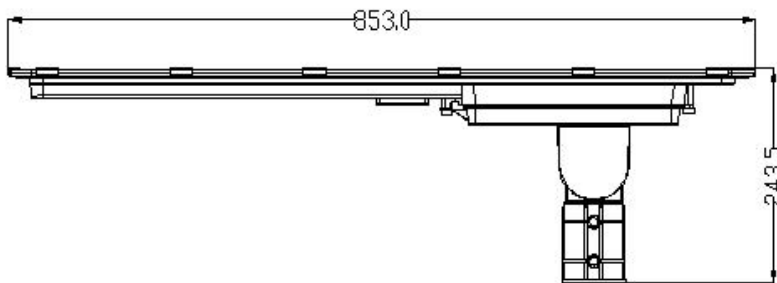
40W



60W



80W



Specifications

Item Number	KR-SSL-40W-Wing	KR-SSL-60W-Wing	KR-SSL-80W-Wing
Power	40W	60W	80W
Lumen	6400LM	10200LM	13800LM
LEDs	SMD2835*100pcs	SMD2835*181pcs	SMD2835*241pcs
LiFePO4 Battery Pack	76.8Wh/12.8V, 6AH	115.2Wh/9.6V, 12AH	153.6Wh/12.8V, 12AH
Mono Solar Panel	22W/18V	28W/17.5V	42W/17.5V
Dimensions	507*287*229 mm	612*331*229 mm	853*349*243.5 mm
Installation Height	6M	6M	6M
Installation Spacing	10-15M	10-15M	15-20M
Lighting Area	232 m ²	404 m ²	582 m ²
Charging Time	7 hours strong sunshine for fully charged.		
Lighting Time (Fully charged)	Keep Lighting Mode: 35 hours Sensor Mode: 60 hours		
Beam Angle	140X70°, TPII polarized design		
Wind Resistance	Typhoon 16		
PIR Sensors	Detection Angle: 120°; Detection Distance: <8Mtrs		
Adjustable Angle	0° ~90° Adjustable		
IP Class	IP65 waterproof, dust-proof		
Working Temp.	-20°C- 60°C		
Storage Temp.	0°C- 45°C		
Housing Material	Aluminum		
Applicable Pole Diameter	φ60mm		
Warranty	3 years		

Optional Work Modes by Pressing the Button on the Lamp



Please press the button on the lamp to turn on the lamp and select working mode.

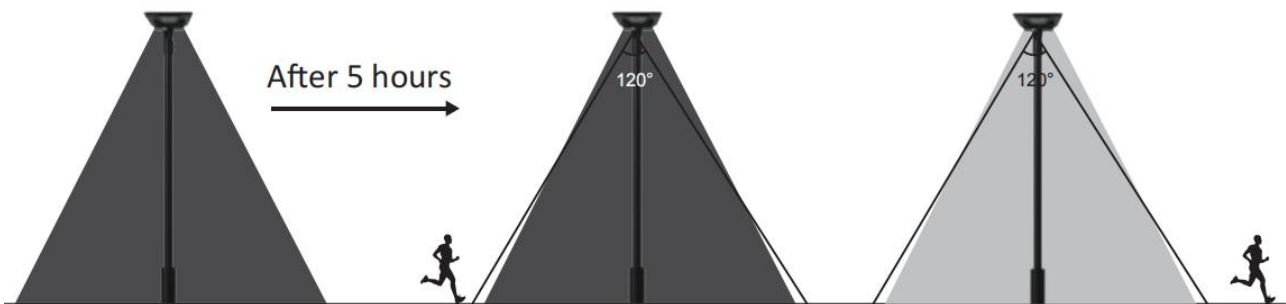
Press 1st time, lamp turns on and enters Keep Lighting Mode;

Press 2nd time, lamp enters Auto Sensor Mode;

Press 3rd time, lamp turns off.

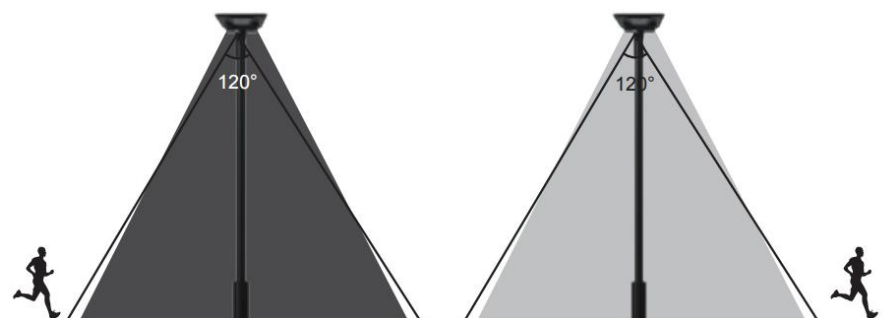
Keep Lighting Mode

Lamp automatically lights up at night and keep 60% brightness for 5 hours, after which lamp turns to Auto Sensor Mode.



Auto Sensor Mode

Lamp automatically lights up at night and turns to full brightness when motion is detected in the range $\leq 8\text{Mtrs}$, then turns to lower brightness in 20 seconds of no motion.



DIY Work Modes by Remote Control

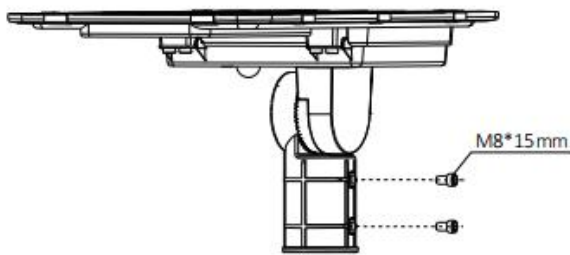
		*Press ON, lamp turns on. *ON/OFF switches on the remote control is with memory function.	
		Press OFF, lamp flicks 3 times then turns off.	
		Useless button	
		*Press Auto, the lamp enters Auto Sensor Mode directly. *Lamp brightness and lighting time are not select-able under Auto Sensor Mode	
	  	Keep Lighting Time	* These 7 keys(in gray background) are only used to adjust lighting time and brightness of Keep Lighting Mode. * Please press the 3H/5H/8H firstly, the lamp will enter Keep Lighting Mode automatically, then press  /  /  /  to set desired brightness. For example: Press  +  + , lamp works as below: Lamp lights up at night and keep 45% brightness for 5Hrs. After 5Hrs, lamp turns to Auto Sensor Mode.
		60% brightness	
		30% brightness	
		+15% brightness by each press (Max 60% brightness)	
		-15% brightness by each press (Min 15% brightness)	

Operation of Indicator Light

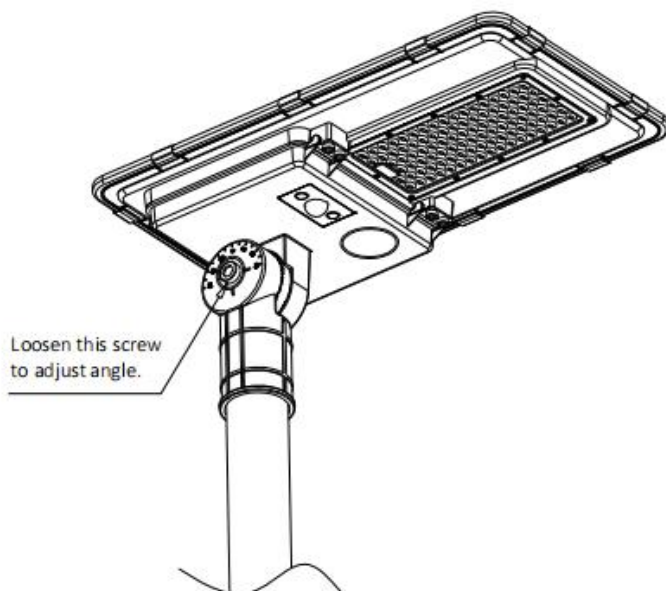
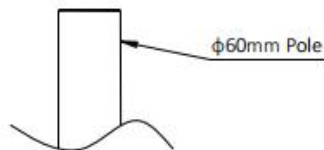
This lamp has a red indicator light, which shows the working status of the lamp.

Working Status of Solar Lamp	Indicator Light Status At Day	Indicator Light Status At Night
Battery power is more than 80%.	Stays on	Off
The battery charges and discharges normally.	Flashes every 3 seconds	Off
Battery power is less than 30%.	Flashes every 3 seconds	Flash 3 times, then turn off for 3 seconds. Keep looping.

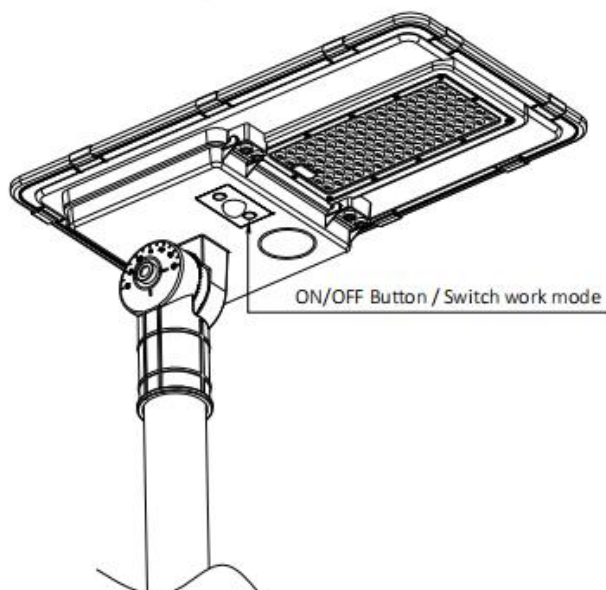
Easy Installation



③ Insert the lamp into a lamp pole with a diameter of 60mm, and then fix it with M8*15MM screws.



② Loosen the screw as shown in the picture, adjust the angle of the lamp, and then fix the screw.



① Press the ON/OFF button on the lamp to turn on the lamp and set working mode by remote control.

Wide Applications

Widely used for road, street, parking lot, garden, school, campus, park, pathway, yard, community, lake, square, library, farm, industrial park, village, castle, hospital, driveway etc.



Cautions

1. This is a solar powered lamp, please install the lamp in a location where can get enough sunlight.
2. Please note the lighting time depends on sunshine duration & working mode.
3. The lamp can still get solar charge at day time when the it's turned off.
4. Built-in intelligent IC is with over-charge and over-discharge protection, safe & durable.
5. If you will not use the lamp for a long time in the future, please press the button on the lamp to turn off the lamp instead of pressing OFF button on the remote.
6. The lamp is equipped with an internal battery pack, which is replaceable. If any need, please contact seller for correct new battery pack.
7. Non-professionals please do not disassemble the lamp.
8. Please do not dispose the battery with household garbage to avoid explosion.

Solar LED Street Light User Manual



Professional, Powerful, Longlasting



Please read and follow all instructions to operate.
Save this manual for future reference.

Superior Features



Product Image



6400LM
≈ traditional 400W

10200LM
≈ traditional 600W

13800LM
≈ traditional 800W

Top Specification

Lumen	6400LM	10200 LM	13800 LM
Output Power	40W	60W	80W
≈ Traditional Power	400W	600W	800W
LEDs	SMD2835*100PCS	SMD2835*181PCS	SMD2835*241PCS
LiFePO4 Battery Pack	32700, 76.8Wh	32700, 115.2Wh	32700, 153.6Wh
Mono Solar Panel	22W/18V	28W/17.5V	42W/17.5V
Lamp Dimension	507*287*229mm	612*331*229mm	853*349*243.5mm
Beam Angle	140°*70°	140°*70°	140°*70°
Installation Height	4-6M	4-6M	4-6M
Installation Spacing	10-15M	10-15M	15-20M
Lighting Area	232m ²	404m ²	582m ²
Adjustable Angle	0°-90°		
Charging Time	7 hours strong sunshine for fully charged		
Lighting Time	Keep Lighting Mode: 35 hours Sensor Mode: 60 hours		
PIR Sensor Range	Detection angle: 120°; Detection distance: 8Mtrs		
IP Class	IP65		
Housing Material	Aluminum, fireproof, anti-UV, anti-oxidation		
Working Temp	-20°C - 60°C		
Storage Temp	0°C - 45°C		
Packing	1*Lamp, 1*Remote Control, 1*User Manual		
Warranty	3 years		

Two Optional Working Modes



ON/OFF Button
Switch Work Mode

Please press the button on the lamp to turn on the lamp and select working mode.
Press 1st time, lamp turns on and enters Keep Lighting Mode;
Press 2nd time, lamp enters Auto Sensor Mode;
Press 3rd time, lamp turns off.



Keep Lighting Mode

Lamp automatically lights up at night and keep **60% brightness** for **5 hours**, after which lamp turns to Auto Sensor Mode.



Auto Sensor Mode

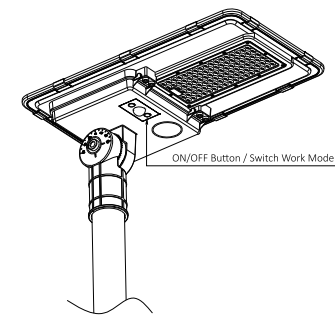
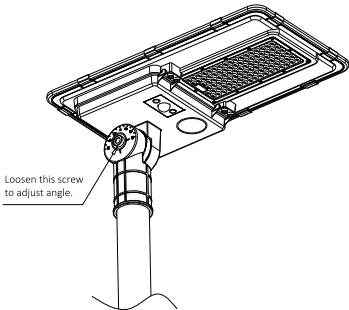
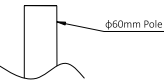
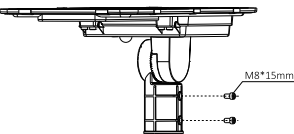
Lamp automatically lights up at night and turns to full brightness when motion is detected in the range $\leq 8\text{Mtrs}$, then dims to lower brightness in 20 seconds of no motion.

Operations of DIY Work Mode by Remote Control

After lamp is turned on, you can also use remote control to adjust demanded working mode.

		Useless buttons
		* Press ON, lamp turns on.
		* ON/OFF switches on the remote control are with memory function.
		Press OFF, lamp flicks 3 times then turns off.
		* Press Auto, the lamp enters Auto Sensor Mode directly.
		* Lamp brightness and lighting time are not selectable under Auto Sensor Mode.
		Keep Lighting Time
		* These 7 keys(in gray background) are only used to adjust lighting time and brightness of Keep Lighting Mode.
		* Please press the 3H/5H/8H firstly, the lamp will enter Keep Lighting Mode automatically, then press / / to set desired brightness.
		+15% brightness by each press (Max 60% brightness)
		-15% brightness by each press (Min 15% brightness)
		For example: Press + + , lamp works as below: Lamp lights up at night and keeps 45% brightness for 5Hrs , after which lamp turns to Auto Sensor Mode.

Easy Installation



- ① Insert the lamp into a lamp pole with a diameter of 60mm, and then fix it with M8*15mm screws.

- ② Loosen the screw as shown in the picture, adjust the angle of the lamp, and then fix the screw.

- ③ Press the ON/OFF button on the lamp to turn on the lamp and set the working mode by the remote control.

Operation of Indicator Light

This lamp has a red indicator light, which shows the charging state of the lamp.

Working Status of Solar Lamp	Indicator Light Status During the Day	Indicator Light Status At Night
Battery power is more than 80%.	Stay on	Off
The battery charges and discharges normally.	Flash every 3 seconds	Off
Battery power is less than 30%.	Flash every 3 seconds	Flash 3 times, then turn off for 3 seconds. Keep looping.

Wide Applications

Widely used for street, driveway, parking lot, garden, square, road, school, park, pathway, farm, yard, walkway, industrial area, office buildings, hospital, village, castle, etc.

Cautions

1. This is a solar powered lamp, please install the lamp in a location where can get enough sunshine.
2. Please note the lighting time depends on sunshine duration & working mode.
3. The On/Off button on the lamp is power-off switch, helpful to save power consumption. Also the lamp can still get solar charge at day time when the lamp is turned off.
4. Built-in intelligent IC is with over-charge and over-discharge protection, safe & durable.
5. If you will not use the lamp for a long time in the future, please press the button on the lamp to turn off the lamp instead of pressing OFF button on the remote.
6. The lamp is equipped with an internal battery pack, which is replaceable. If any need, please contact seller for correct new battery pack.
7. Non-professionals please do not disassemble the lamp.
8. Please do not dispose the battery with household garbage to avoid explosion.