

## ITEM#1712

LED KING LIGHTING DISTRIBUTION

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AME: Solar LED Street Light

P/N: S-ESL01-50WX30A1-acK

Note: 1. The Letter **X** in P/N stands for LED factory, could be any alphabet.

2. The Letter **a** in P/N stands for remote control, can be "RC" or blank.

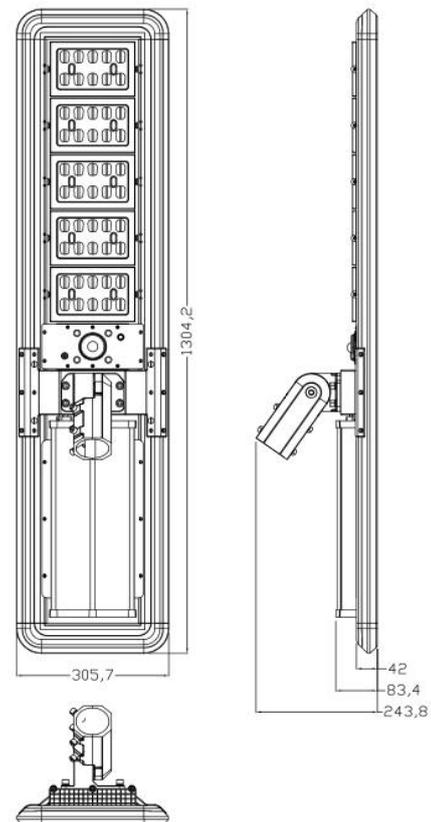
3. The Letter **c** in P/N stands for CCT, which can be any two digital.

### Advantage:

- IP66 Internal driver,
- Input voltage 18VDC
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, long lifespan
- Light is soft and uniform, safe to eyes
- Instant start, NO flickering, NO humming
- Green and eco-friendly without mercury.

### Application:

- ◆ Roadway lighting
- ◆ Gymnasium, park, parking lot
- ◆ All kinds of residential area, courtyard.



## Product Specifications

Product name	Solar LED Street Light
Part No	S-ESL01-50WX30A1-acK
Dimension	1304*305.7*275.6mm

## Technical Characteristic

Color temperature	2700-6500K
CRI	>70
Lumen	5750-6500LM
Lumen Efficacy	120 LM/W
Input Power	50W
Viewing Angle	TYPE II、TYPE III
Input Voltage	18V DC
Waterproof Rating	WET (IP66)
Solar Panel Wattage	58 W
Battery	384 WHr
Charging Time	9.5 H
Full Power Run Time	8.5 H
Max Run Time	29 H

## Materials

LED Brand	Seoul
LED Type	3030 (1.0W)
LED QTY	50 PCS
Housing	Aluminum(AL6063-T5) +PC
Housing color	Silvery or Custom design

## Others

Operating Temperature(Charge)	0°C TO 60°C
Operating Temperature(Discharge)	-10°C TO 60°C
Operating Humidity	20%-90% RH
Storage Temperature	-10°C TO 60°C
Storage Humidity	10%-95% RH
Application	Outdoor
Warranty Time	3 years

## Light Distribution Testing Parameters

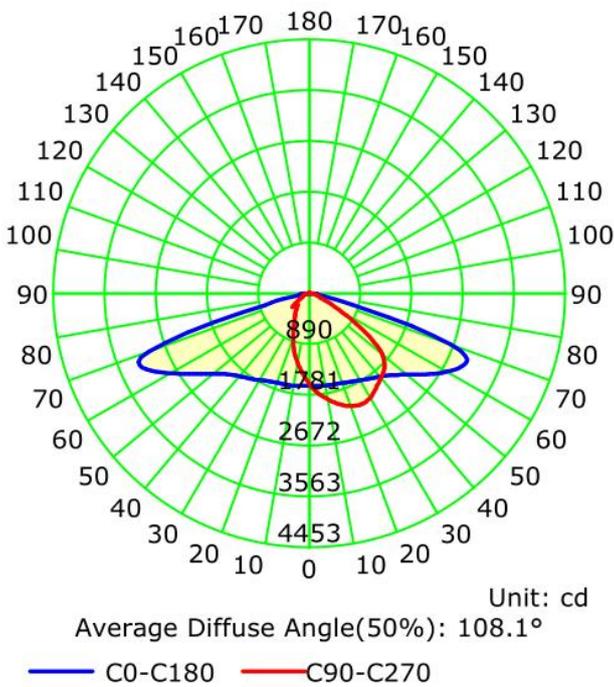
### Photometric Results

CIE Class: Direct  
 Measurement Flux: 6369.1 lm  
 Downward Ratio: 99%  
 Horizontal Diffuse Angle(50%): H146.1  
 Vertical Diffuse Angle(50%): V77.3  
 Luminaire Efficacy Rating (LER): 6369.19  
 Max. Intensity: 3563.17 cd  
 S/MH(C0/C180): 1.77

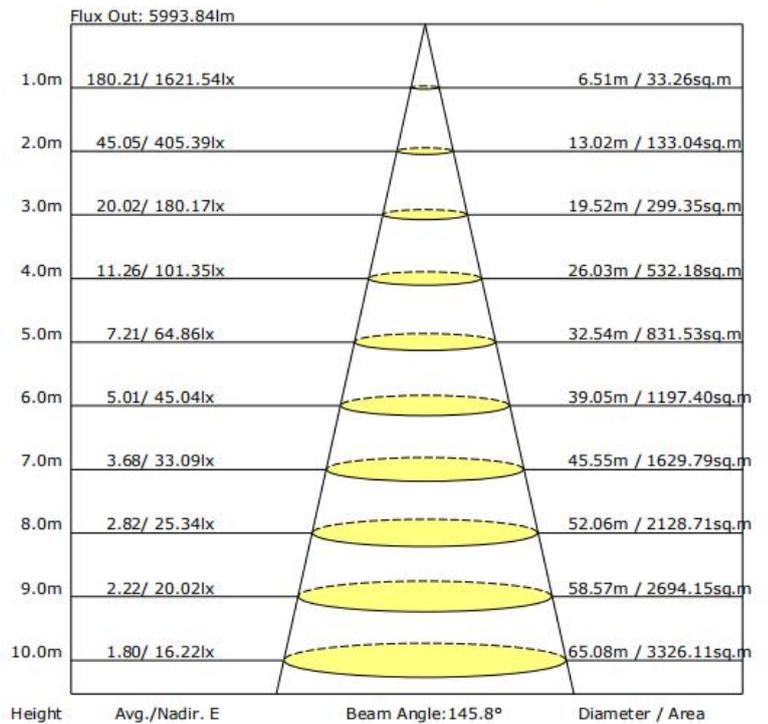
Total Rated Lamp Lumens: 6369.1 lm  
 Efficiency: 100%  
 Upward Ratio: 1%

Central Intensity: 1621.54 cd  
 Pos of Max. Intensity: H165 V65  
 S/MH(C90/C270): 1.23

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



## Package

Lamps Net Weight: 13.5 Kg/pc

	Size	Qty/ Carton	Weight/ Carton
Outer box	1485 x 380 x160mm	1	15.4 KG

## Working modes description

30% brightness + PIR(100% brightness maintained for 30 seconds) to dawn.

### Special Notes:

1. once the solar panel receives sunlight or brightness, the fixture will be off and start charging;
2. Do not install the fixture under shadow or between two buildings with height higher than the fixture, or it will lead to insufficient absorption of sunlight and insufficient lighting brightness and time;
3. If the lamp has not been used for more than 3 months, please get it fully charged to activate the battery;
4. Do not use the fixture when the environment temperature is above 60 °C or below -10 °C, or it will cause rapid attenuation of the battery and affect the battery's lifetime, even damage it;
5. Do not use non-standard installation accessories to install the fixture, any accident caused will be born by the operator;
6. No-professionals, must not install and disassemble the fixtures.

### Warning:

1. Keep the device away from fire and oil to avoid fire or explosion;
2. No one but professional technicians is allowed to disassemble the light in order to avoid damage of the light;
3. It is strictly forbidden to disassemble the battery for personal use;
4. If the lamp works under 4-7 consecutive rainy days, the battery may be out of power, please charge it under bright sunlight;
5. To ensure the fixture works in an ideal state for a long time, please clean the solar panel regularly according to the local dust conditions, our suggestion is one time at least half a year.

## Controller status

NO.	Meaning	Run status (Orange Indicating Light)	Charge (Green Indicating Light)	Discharge (Red Indicating Light)
1	Initialization	Flashing	Flashing	Flashing
2	Standby	ON	OFF	OFF
3	Discharge	ON	OFF	ON
4	Charging	ON	ON	OFF
5	Output Short	OFF	OFF	Fast Flashing
6	Battery Voltage Low	OFF	Slow Flashing	OFF
7	Driving Timeout	OFF	OFF	Slow Flashing
8	Battery Voltage High	Slow Flashing	OFF	OFF

## Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies
Stop working	Wait for sunlight to charge the fixture