JIT-SUN E
Solar Lighting
Green Energy

Detailed Spec of Solar Street Light
JIT-SUN E Type

Product Features

ALL IN ONE DESIGN

E series all in one solar street light design become to the revolutionary smart solar light.

The whole lamp adopts humanized design, combines variety green energy (solar panel, LED light source, lithium batteries) as a kit. Using intelligent control technology, intelligent microwave sensor technology, a number of practical control technology, perfectly achieve lower consumption, high brightness, long life-span via intelligent control system. With smart battery management system, most intelligent control charge and discharge time's multi-working mode, ensure the system running more efficiency. Modular design and plug style won't need wiring and welding anymore, easy to ship, install and maintain

Multi-angel adjustable (360 adjustable solar panel)

360 rotating platform including an adjustable bracket (5 angle) and 360 rotating platform, user according to the position of the sun and the angle of lighting application to set the direction of the solar panel and the light.
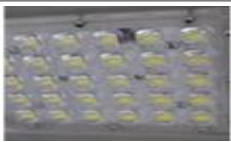
CE RoHS FC   IP65

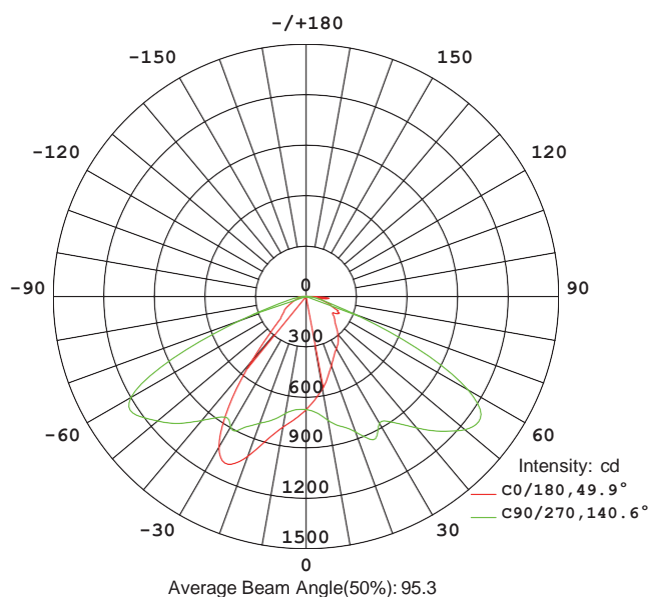# Detailed Spec of Solar Street Light
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Feature:

- Beautiful and modern appearance, simple and fashionable.

- Use of solar green energy, environment friendly, saving more.

- Low voltage driving, meet the Europe standard of CE RoHS FCC.

- No Hg, Pb or other hazardous materials, no radiation, human safety.

- IP65 grade, TVS lightning protection.

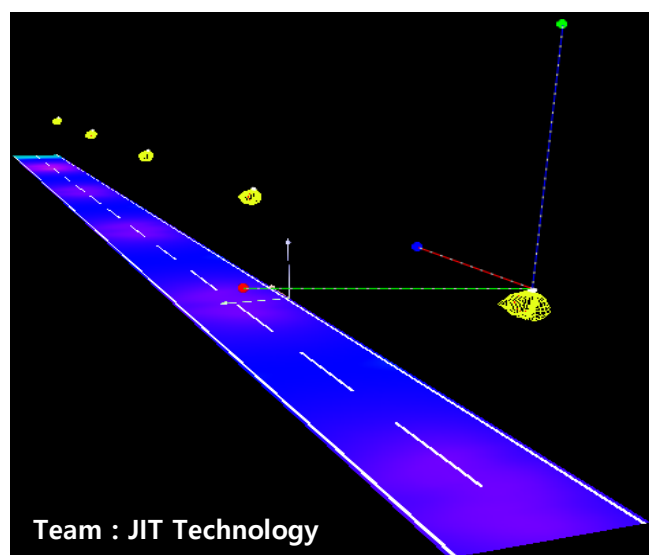- Long lifetime of whole lamp, low maintenance costs.

Principal components

Component	Characteristic	Image
Mono Solar Panel	1. 19% photoelectric conversion efficiency 2. Tempered glass cover 3. 20 years lifetime	
LED Chip	1. High Power CHIP 2. LG CHIP (or Samsung chin) : Certification under progress 3. ≥70Ra CRI 4. ≥50000hrs lifetime	
Smart Solar charge Controller	1. Ensure whole system more energy efficient 2. Unique design 3. Smart control, saving more and system works stably	
Lithium Battery	1. High capacity 2. ≥1200times charge & discharge 3. No pollution, stable	

Luminous intensity distribution curves:

Intensity: cd
— C0/180,49.9°
— C90/270,140.6°

Average Beam Angle(50%): 95.3

JIT Street Light Simulation

Team : JIT Technology

Specifications

* Tolerance : ± 5%

Model	Power	Luminous Efficacy	Luminous Flux	Solar Panel	Lithium Battery	Mount Height	Operation Temperature
JIT-SUN E60	60W	150 lm/W	9,000 ~ 9,600 lm	120W/18V	540WH/24V	5-12M	-20°C~60°C
JIT-SUN E80	80W	175 lm/W	14,000 ~ 14,600 lm	150W/36V	720WH/24V		
JIT-SUN E100	100W	160 lm/W	16,000 ~ 16,800 lm	200W/36V	900WH/24V		
JIT-SUN E120	30W	150 lm/W	4,200 ~ 4,500 lm	120W/18V	600WH/12V		

▌ JIT SUN E Type_Simulation ▌

• Height : 6 ~ 15M
• Width : 3 ~ 12M
• Pole Distance : 20~50M

Street Profile	MODEL	Rotation	Power Factor	Eav(lx)	Emin(lx)	Emax(lx)	u0	Emin/Emax
*) Mount Height : 7m *) Pole Distance : 35m *) Width : 7m	JIT -SUN E 60	5'	0.9	16	3.87	37	0.244	0.106

working mode choices

DEMO: No matter day or night, light "on" for 1 mintue.
Only for test use.

OFF: Light "off", no matter day or night.

L: At night, 100%-1hr, 80%-2hrs, 30%-dawn.

T: At night, 100%-4hrs, 30%-8hrs(dawn).

M: At night, 50%-1hr, 100%-3hrs, 30%-dawn.

U: At night, 100%-2hrs, 80%-2hrs, then sensor working,
100% if people come, 20% after go.

Remark: Default is T mode, can choose best mode according to different
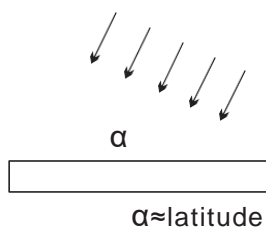sunshine condition.

FAQ

Why solar street light do not light on?
1. Make sure waterproof connector is connected.
2. Activating charge when first installation. Connect solar panel to light body
and make sure solar panel face to sunlight directly at least 5s, then check
is it light on at night.
3. If it cann't light on after several days' using, you can read controller status
instructions part on this manual.
If above information still cann't solve your problem, pls contact us
directly, we will be happy to serve you all the time.

Notes

1.Clean surface of panel regularly.
2.Make suitable angle towards≈local latitude)
3. Recharge battery every 3 months at least if no use.

α

α≈latitude

The quick maintenance channel located at the end of the street light.

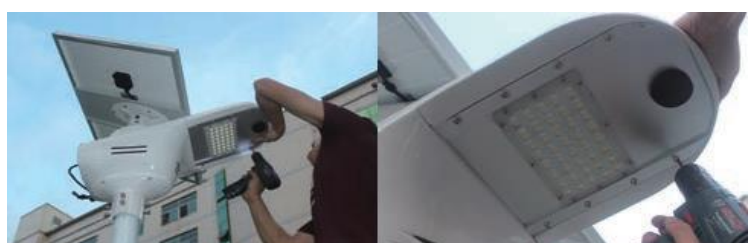Modular design of components, replacement of the latter part of maintenance more convenient.

1. Loosen the rear's two anti-theft screws, open the rear cover.

2. Unplug the controller above the four aviation plug, then can remove the four components.

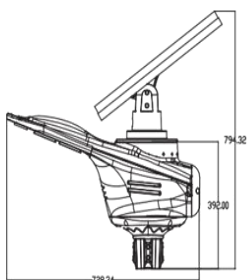3. Loosen the four screws in the rear cover and remove the controller.

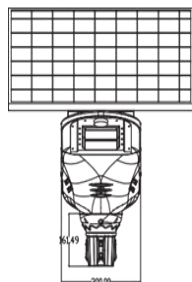4. Loosen the hold-down strip securing the battery box to remove the battery box

5. Loosen the eight screws on the light source module to replace the light source module

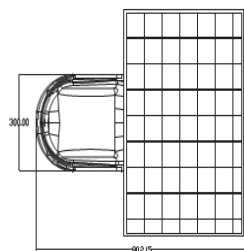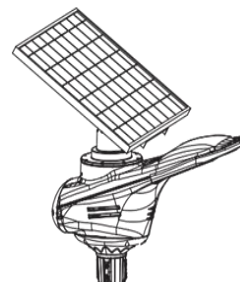6. Loosen the two screws on the sensor to remove the sensor

Product dimensions(mm)

(Side view)   (Front View)   (Top view)   (Main view)

Product Packaging