
VSL
SOLAR
Integrated
Solar
Street Light

BUILT FOR GREEN

As climate change continues to have a more severe impact on the world's safety and the health of our economies, energy efficiency continues to grow as a priority for municipalities and governments. Solar power is energy from the sun that is converted into thermal or electrical energy. Solar power is a kind of inexhaustible and environmentally-friendly new energy resources. The solar street light is one of the applications of solar power.

Solar powered LED street light has the advantages of stability, long service life, simple installation, safety, great performance and energy conservation. This kind of light can be widely installed in urban roads, living districts, factories, tourist attractions, parking lots and the area in remote locations where the electricity is unavailable or erratic.

KEY FEATURES

All-in-one design.

Environment friendly - 100% powered by the sun, solar panels reduce fossil fuel consumption, eliminating pollution

Off-grid roadway lighting made electric bill free.

Self-contained solution - Light on/off controlled by automatic daylight sensing.

IP66 Luminaire ensures long lasting and consistent high performance.

No trenching or cabling work needed.

CE

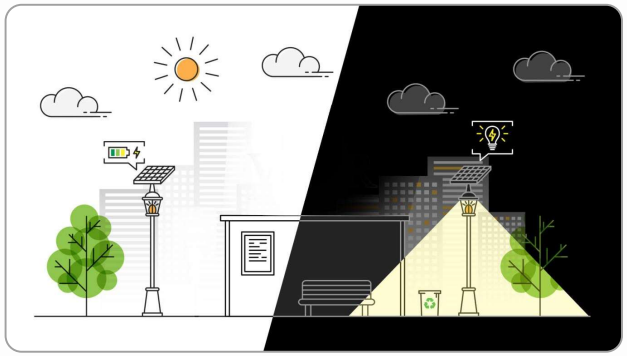
Easy to install and maintain.

APPLICATIONS

- Street Lighting
- Roadway Lighting
- Pathway Lighting
- Ramp Lighting
- Sidewalk Lighting
- Private Road Lighting
- Farm Lighting
- Wildlife Area Lighting
- Perimeter Security
- Lighting
- Park Lighting
- Railway Yard Lighting
- Fence Lighting
- Campus Lighting
- Ship Dock Lighting
- Remote Area Liehting
- Military Base Lighting
- Gate Lighting
- Jogging Path Lighting

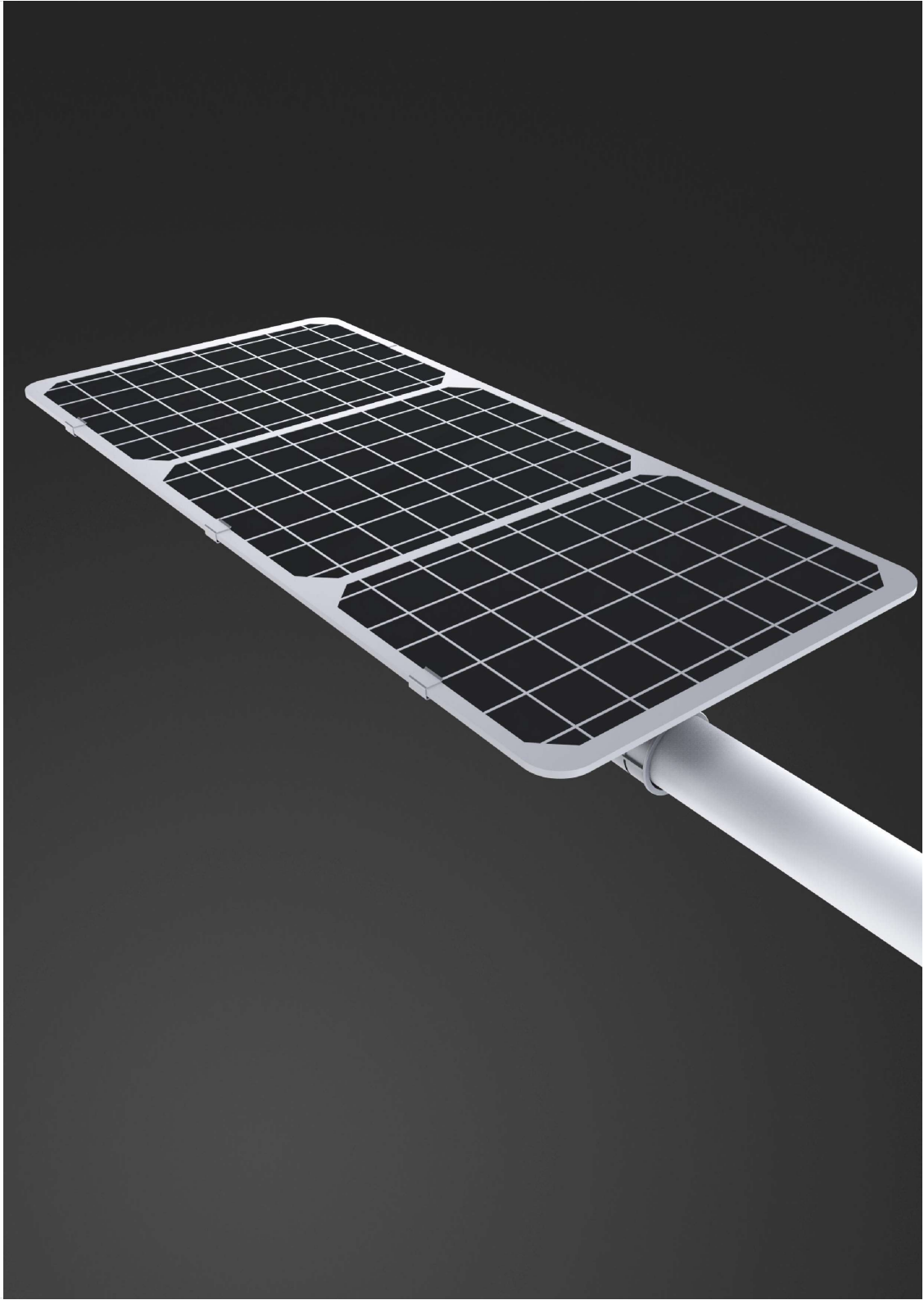
DAYTIME OPERATION

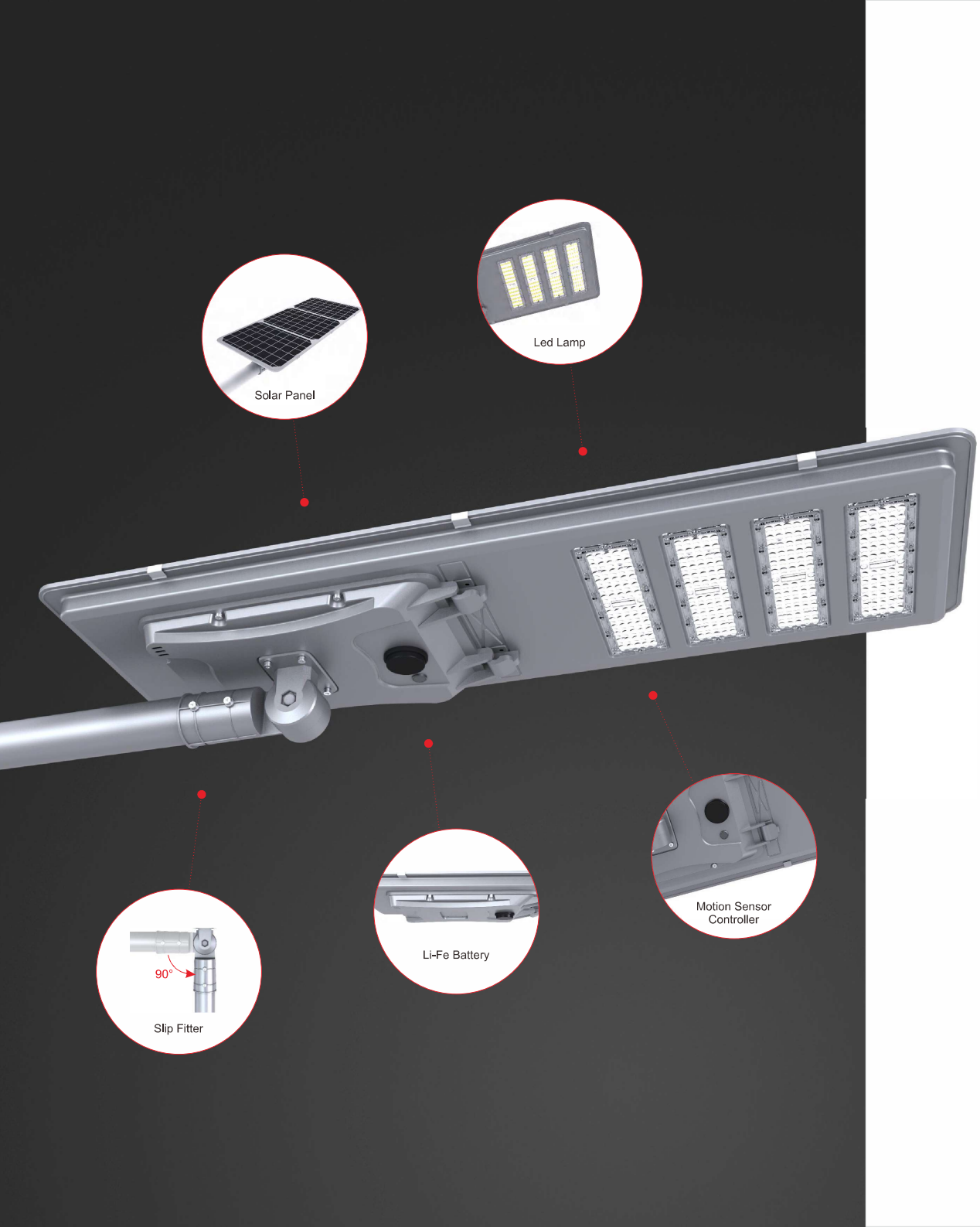
The solar panels absorb the sunlight energy, then transmit it to electricity and store it in the battery during the day. Generally, solar panels convert average 20% of sunlight energy into electrical energy



NIGHT TIME OPERATION

At night, the stored electrical energy power the light under the PIR sensor working mode: Keep 30% power lighting when nobody around,100% full power lighting when people or car coming. The light turns off when the sun rise up, and the day/night operation cycle starts again.





RELIABILITY

UNEXPECTED VALUE

Only top quality mono - crystalline silicon solar panels with high efficiency and long lifetime are used.

Quality lithium batteries are used to store the energy, provide energy for immediate requirements, and enable a back-up for days when there is little or no sun.

High Lumen LED for maximum efficacy. Dedicated designed low-voltage solar controller technology with dimming capabilities for power-save management. Lifetime > 50,000 hrs and CRI nominal 70.

Microprocessor managed algorithms autonomously determine sunrise and sunset.

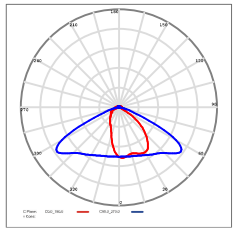
Easy to install without buying cables and rectifiers, directly on pole with an adjustable spigot 0°~90°.

PHOTOMETRICS

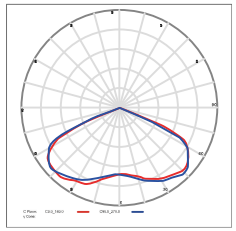
Optimized Comfort

In all road applications, comfort is a key standard. The optics of Helios series light is designed to enhance comfort with reduced glare.

70x130 DEGREE (Type Ⅰ-S)



130 DEGREE (Type Ⅴ-S)



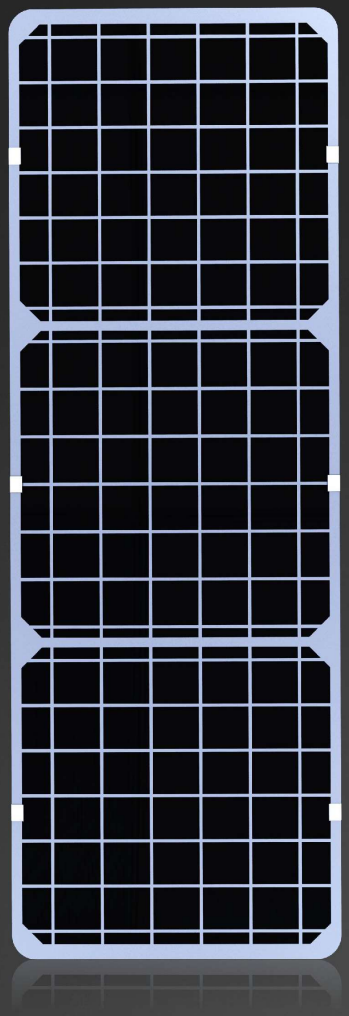
PERFORMANCE

- 40W / 50W / 60W / 70W
- 160lm/W
- LEDS: Philips Lumileds
- DIM: PIR & Timer Dimming
- CCT: 5000K (2500~6500K optional)
- IES: Type Ⅰ / Type Ⅴ
- IP66
- IK: IK09
- Monocrystalline silicon photovoltaic panels
- LiFeP04 battery
- Slip fitter
- Operating Temperature:-30°C to +45°C (-22°F to 113°F)
  Storing Temperature:-40°C to +80°C (-40°F to 176°F)

CE RoHS

SPECIFICATIONS

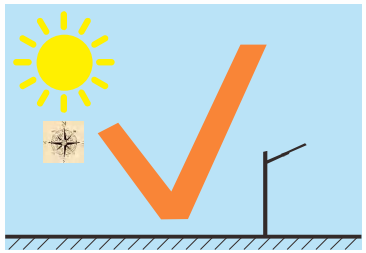
Part#	Power	Solar Panel	Battery	Efficacy (IES)	Total Lumen	Product Dimensions
VSL-ALO3-40	40W	60W/18V	24AH/12.8V	160 lm/W	6,400lm	887×401×158mm
VSL-ALO3-50	50W	60W/18V	30AH/12.8V	160 lm/W	8,000lm	887×401×158mm
VSL-ALO3-60	60W	130W/18V	36AH/12.8V	160 lm/W	9,600lm	1160×401×158mm
VSL-ALO3-70	70W	160W/18V	42AH/12.8V	160 lm/W	11,200lm	1420×401×158mm



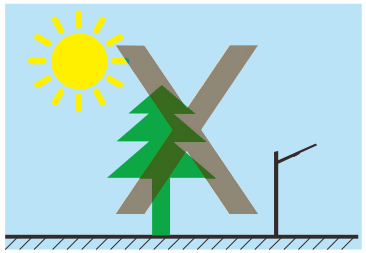
ENERGY SAVING

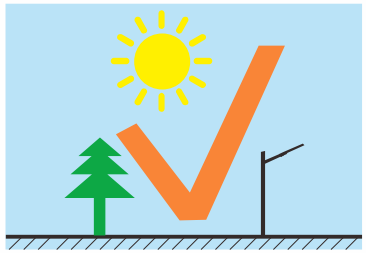
Replacement Reference		Energy Saving
40W VSL ALO3 STREET LIGHT	70 Watt Metal Halide or HPS	100% saving
50W VSL ALO3 STREET LIGHT	100 Watt Metal Halide or HPS	100% saving
60W VSL ALO3 STREET LIGHT	120 Watt Metal Halide or HPS	100% saving
70W VSL ALO3 STREET LIGHT	150 Watt Metal Halide or HPS	100% saving

INSTALLATION



The solar panel can be adjusted to the best angle where it is able to absorb maximum sunshine. The most optimum direction to face the solar panel is somewhere between south and west. It is at this location that the panel will receive the maximum sunlight throughout the day.





The solar panel must not be installed in a shaded or part shaded location and never indoors.