

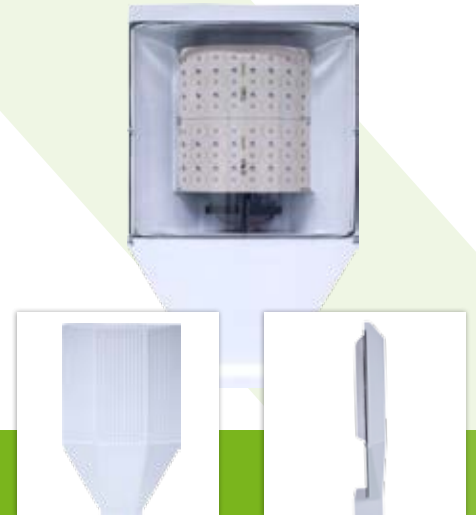
Renewable energy for a green future.

LED LUMINAIRE FOR STREET LIGHTS



Solar LED Systems - The innovative lighting solutions of VERY SOL

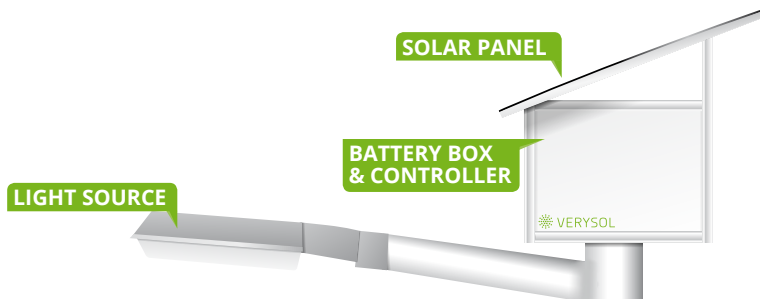
Solar Street Lights are isolated, small power factories which do not need any connection to grid power. Energy is produced by the solar panel and stored in the solar battery, so that the lamp can be powered during the night. The LED luminaire is an essential part of the system and brings several advantages compared to conventional light sources, regarding cost of ownership, service life, durability, maintenance and light pollution.



LED ADVANTAGES

- > Lifespan 50.000 hours – equal to 12 years at 12 working hours per day
- > High Illumination – The LEDs in VERY SOL's Luminaire are arranged in different angles, therefore is the illuminated area bigger and brighter
- > 80% Energy Conservation
- > Quick-Start – Compared to other light sources that need some time to achieve full brightness, does the LED need no warm-up time and gives 100% performance right from the beginning
- > CO2 emission reduction
- > No Light Pollution – The beam-angle can be directed in any direction
- > Robust, Shock-/Vibration-Proof
- > No UV or IR Radiation
- > Mercury Free
- > Compliant with EU-Norm 2002/95/EC

Model	S	M	L
Light-Point Height	Max. 6 m	Max. 8 m	Max. 10 m
Voltage	12V / 24V 110V / 220 V	12V / 24V 110V / 220 V	12V / 24V 110V / 220 V
Current	25 to 40 Watt	40 to 65 Watt	65 to 85 Watt
Light Source	24 LEDs, High Power	48 LEDs, High Power	48 LEDs, High Power
Luminous Flux	2523 to 4056 Lumen	Up to 6672 Lumen	Up to 8112 Lumen
Color Temperature	3000°K to 6500°K	3000°K to 6500°K	3000°K to 6500°K
CRI	> 75	> 75	> 75
Working Temperature	-30°C to 60°C	-30°C to 60°C	-30°C to 60°C
Service Life	> 50,000 Hours	> 50,000 Hours	> 45,000 Hours
Casing Material	Aluminum - powder coated	Aluminum - powder coated	Aluminum - powder coated
Cover Material	PC - break-proof	PC - break-proof	PC - break-proof
Safety Class	IP 65	IP 65	IP 65



SYSTEM EXAMPLES

System	Bright Future ,S'	Bright Future ,M'	Bright Future ,L'
LED Luminaire	33 Watt	50 Watt	65 Watt
Voltage	12 Volt	12 Volt	24 Volt
Luminous Flux	3336 Lumen	5280 Lumen	6540 Lumen
Light Source	24 LEDs, High Power	48 LEDs, High Power	48 LEDs, High Power
Color Temperature	White 5500°K	White 5500°K	White 5500°K
Solar Panel	130 Watt	180 Watt	260 Watt
Voltage	12 Volt	12 Volt	24 Volt
Current	7.6 A	10 A	7.6 A
Technology	Silicon - Off-Grid	Silicon - Off-Grid	Silicon - Off-Grid
Battery	135 Ah	210 Ah	135 Ah
Voltage	12 Volt	12 Volt	24 Volt
Capacity	1620 Watt	2520 Watt	3240 Watt
Technology	AGM	AGM	AGM
Discharge Cycles at 50%	Minimum 1500 Cycles	Minimum 1500 Cycles	Minimum 1500 Cycles
Controller	10 A	20 A	40 A
Features	Programmable night-light functions / Extensive control / safety and programming measures, like protection of deep-discharge, over-current, over-voltage / datalogger (1 year) to monitor the system		

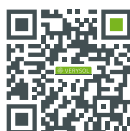
Optional Accessory Kits

Advertisement Box	Rotating or static advertising in an illuminated case
Camera	Wireless surveillance of properties and streets
Remote Control	Turn the system on and off by using a remote control or telephone

The system needs to be designed according to the climate and purpose of the light.

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