HIGHLIGHT HL-SL-AUR

Specifications

Why us?

Innovative Technology

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

Photometric

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

Versatile Lightning

We designs and install solar-powered lightning systems tailored for all kind of locations such as streets, parks, pathways, homes, etc.

Global Reach

Worldwide success proves our adaptability and regulatory expertise.

Sustainable Savings

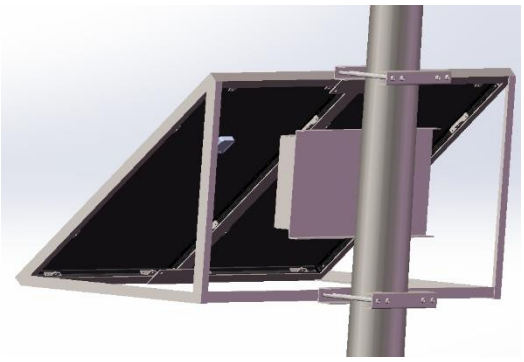
These solutions enhance safety, promote sustainability and providing significant energy and cost saving.

Warranty

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.

Top mounting solar panel

Side mounting solar panel



The SolarPath HighLight HL-SL-AUR™ is the premier LED solar illumination technology in its class today. Ultra- bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a street light. The HL-SL-AUR's battery and control is attached to solar panel which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.

Technical specification

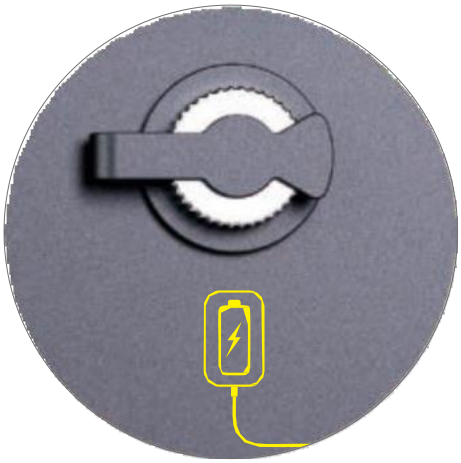
Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 300W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO4	Up to 102AH
LED Light Parameters	Light Source Power	Up to 200W (Up to 33,000 lm)
	CCT (Correlated color temperature)	2,500K-5,500K
	Distribution type	Type II, III
Operation Time	Up to 72 hours (per charge cycle, programming dependent)	
Standard Operation	•Automatic day/night detection •Battery deep discharge and overcharge protection •False activation prevention logic •Computerized self-learning seasons change detection •Auto-adjusting battery charge algorithm according to ambient temperature sensing	
IP Rating	IP66	
Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.	
Product Size	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage
Net Weight	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage

Tool-free access

FIXTURE FEATURES

- System Light Efficacy 170~175LPW with high performance LED chips.
- Highly efficient monocrystalline silicon photovoltaic panels.
- Solar powered-No need for any other power supply or electrical cabling.
- Easy to Install and Maintain.
- Automatic dusk to dawn operation(or timer options).

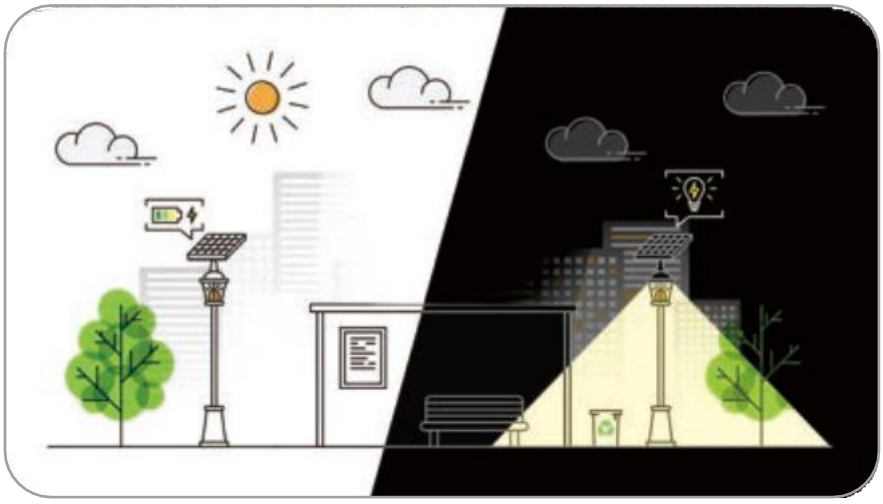
A DC charge port is offered as an option to be integrated into HL-SL-AUR, ensuring the battery remains charged even during extended periods in the warehouse. No more worrying about flat batteries when you need them the most. Embrace the continuous and dependable lighting with our state- of-the-art HL-SL-AUR solar street light.



- Only top quality mono - crystalline silicon solar panels with high efficiency and long lifetime are used.
- Highly efficient controller to charge your batteries and intelligent microprocessor-controlled algorithms for light management ensure maximum uptime.
- 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 > 50,000hrs and CRI nominal 70.
- Microprocessor managed algorithms autonomously determine sunrise and sunset

OPERATION MODE

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



At night, the stored electrical energy power the light under the PIR sensor working mode: Keep 10% 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.

BUILT TO LAST

A top-quality streetlight fixture built to withstand all conditions, and to cope with physical impact and vibration.

One-piece die-cast aluminum housing with integral mounting for strength and durability.

Optics:

Optical systems for outdoor luminaires must be designed to satisfy several criteria in terms of luminaire performance. With a variety of light distributions, HL-SL-AUR series light engine features best in class optical performances. It is designed for convenience and economics, achieving wide column spacing, excellent uniformity plus no waste or obtrusive light.

Tool Free：

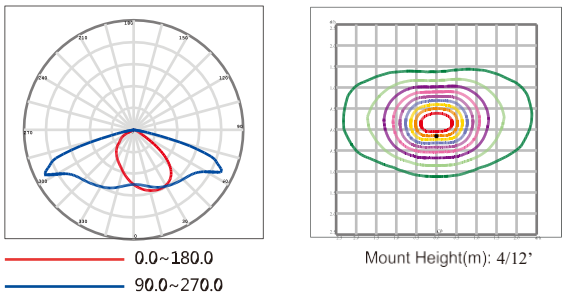
Tool free design, the back of the lamp can be opened by hand, which is easy to repair, installation and replacement.

Installation:

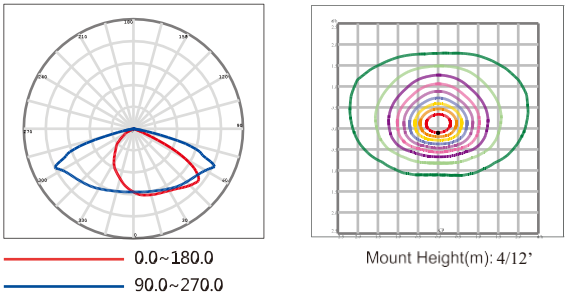
Easy to install without buying cables and rectifiers, directly on pole with an adjustable spigot 0°~90°.

PHOTOMETRIC

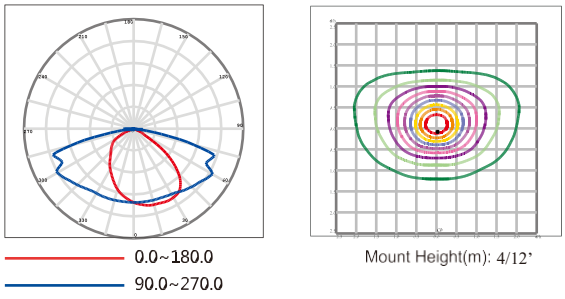
80×150°（TYPE Ⅱ-M）



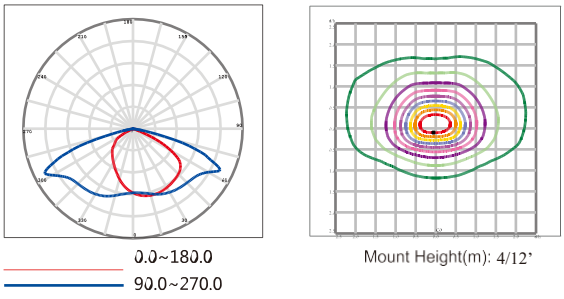
90×150°（TYPE Ⅲ-S）



90×155°（TYPE Ⅱ-S）

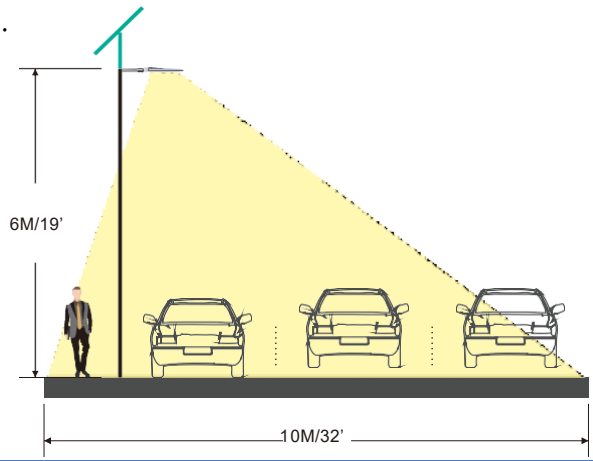


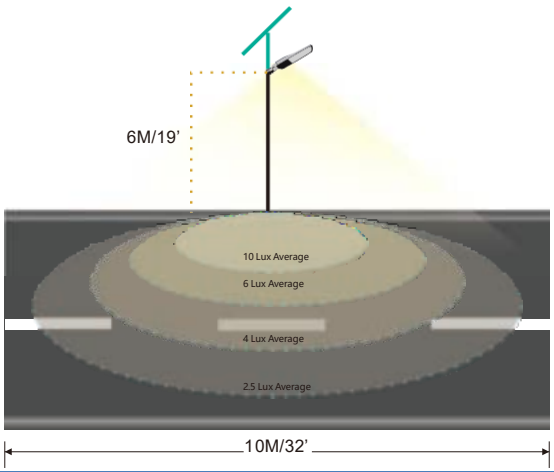
100×150°（TYPE Ⅲ-M）



LIGHT DISTRIBUTION

Solarpath in development with Lumileds have created a new LED lens that provides greater luminous uniformity and offers the ultimate in design flexibility. The beam pattern is perfect for lanes, pedestrian promenades, bicycle paths as well as minor roads and car parks. As an added service, Solarpath also has its own internal lighting design team that use the latest Lighting Simulation software for projects requiring calculation of lighting levels and photo-metricreports. This will ensure that the correct quantity of fittings, pole heights and spacings are offered for our customers specific needs.





SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE
Streets Lighting
Parking Lots
Residential Roads
Public Parks
Sports Lighting

ORDERING GUIDE

Ordering Guide: EXAMPLE: HIGHLIGHT HL-SL-AUR-A-30W-20W-2-25K-18AH-1-GR-SP-00

Model	Solar Panel Qty.	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Arm	Body Color	Solar Panel Mounting	Options
HL-SL-AUR	A – 1pc B – 2pcs	60W 90W 120W 160W 250W 300W	20W 30W 40W 50W 60W 70W 80W 90W 100W	2- Type II 3- Type III	25K 30K 40K 55K	18AH 30AH 36AH 42AH 60AH 90AH 100AH	1 - Single Arm 2 - Dual Arm	GR – Grey BLK- Black	SP- Slip Fitter SD- Side mounting	00 - No motion sensor 01 - With motion sensor

*Up on request

Contact us

+1.201.490.4499

Toll free: 1.888.333.SOLAR (7652)

contact@solarpathusa.com

www.solarpathusa.com