HELIOS™

SERIES

Decorative Solar Street Light

E-LİTE semicon

PRESERVE THE CLASSICS
BUILT FOR GREEN FUTURE

As climate change continues to have a more severe impact on the world's safety and the health of our economies, energy efficiency remains a growing priority for municipalities and governments. In this context, solar power—energy from the sun converted into electrical power—stands out as an inexhaustible and environmentally-friendly resource. Among its many applications, solar street lighting represents a practical and symbolic step toward sustainable urban development.

Helios series solar street lights—designed with a classical aesthetic that honors traditional neighborhoods and historical urban landscapes. These lights blend timeless elegance with modern solar technology, offering a graceful yet efficient lighting solution that preserves the charm and character of heritage districts while supporting environmental goals.They are ideal for a wide range of environments: historical districts and preserved urban zones, urban roads and residential communities, factories, tourist attractions, and parking lots.

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KEY FEATURES

- Off-grid roadway lighting made electric bill free.
- Environment friendly - 100% powered by the sun, solar panels reduce fossil fuel consumption, eliminating pollution
- IP66 Luminaire ensures long lasting and consistent high performance.
- Self-contained solution - Light on/off controlled by automatic daylight sensing.
- No trenching or cabling work needed.
- Easy to install and maintain.
- Five Years Warranty.

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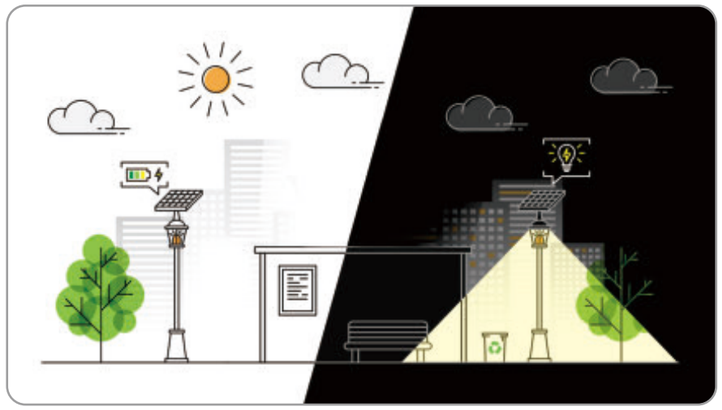
APPLICATIONS

- 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.

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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°.

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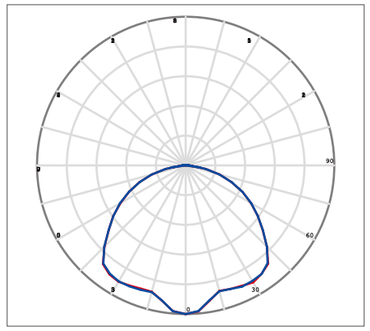
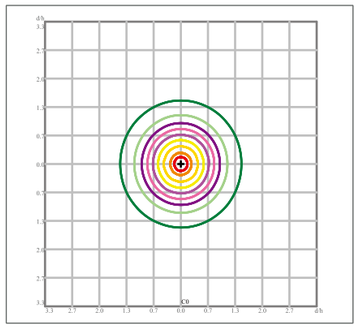
PHOTOMETRICS

120°(TYPE Ⅴ)



0.0~180.0

90.0~270.0



Mount Height(m): 4

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PERFORMANCE

	50W
	160lm/W
LEDS	Philips Lumileds
DIM	PIR & Timer Dimming
CCT	5000K (2500~6500K optional)
IES	120°
	IP66
IK	IK08
	Monocrystalline silicon photovoltaic panels
	LiFeP04 battery
	Slip fitter and Arm

Operating Temperature:-20°C to + 60°C /-4°F to 140°F (Charge:0°C to 60°C / 32°F to 140°F & Discharge:-20°C to 60°C / -4°F to 140°F)
Storing Temperature:-20°C to +60°C/-4°F to 140°F

CE RoHS

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SPECIFICATIONS

Light Fixture

Part#	Power	Efficacy (IES)	Total Lumen	Solar Panel	Battery	Light Fixture	
						N.W	Product Dimensions
EL-HLST-50	50W	160lm/W	8,000lm	100W/18V	12.8V/30AH	8kg	Φ530×530mm
				160W/36V	25.6V/24AH		

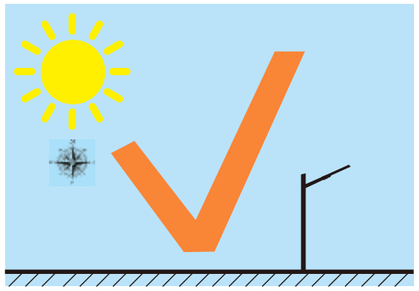
Solar Modules

Solar Panel	N.W	Product Dimensions
100W/18V	5kg	910×680×33mm
160W/36V	10.3kg	1150×850×33mm

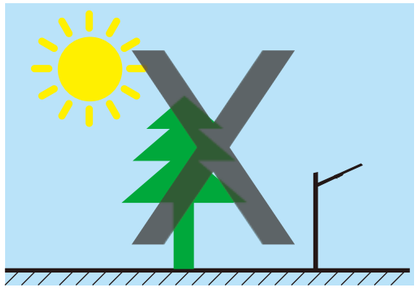
Battery

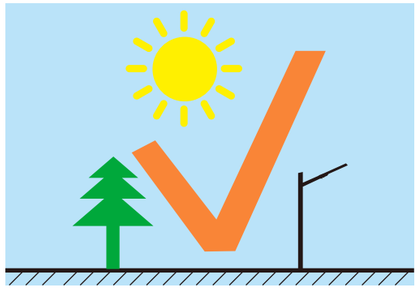
Battery	N.W	Product Dimensions
12.8V/30AH	4.5kg	215×227×94mm
25.6V/24AH	7kg	345×227×94mm

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.

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ORDERING INFORMATION

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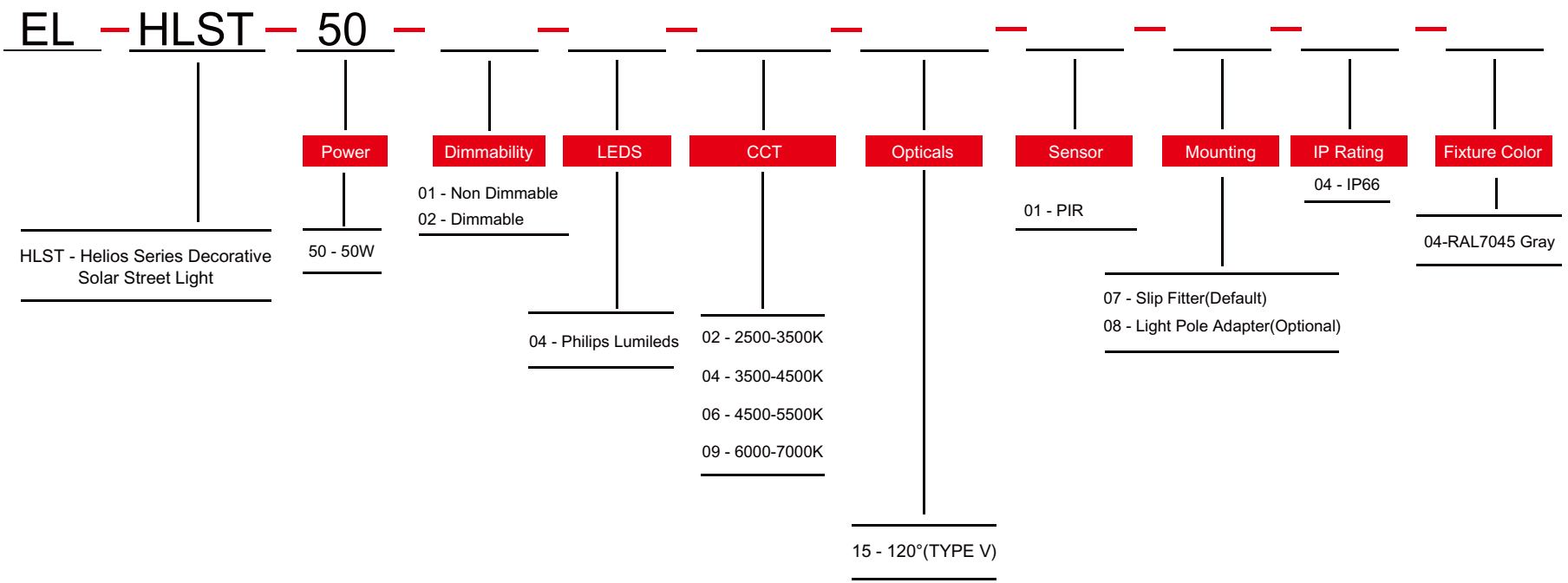

E-Lite Semiconductor Co., Ltd.
Headquarter & Factory
Website: http://www.elitesemicon.com