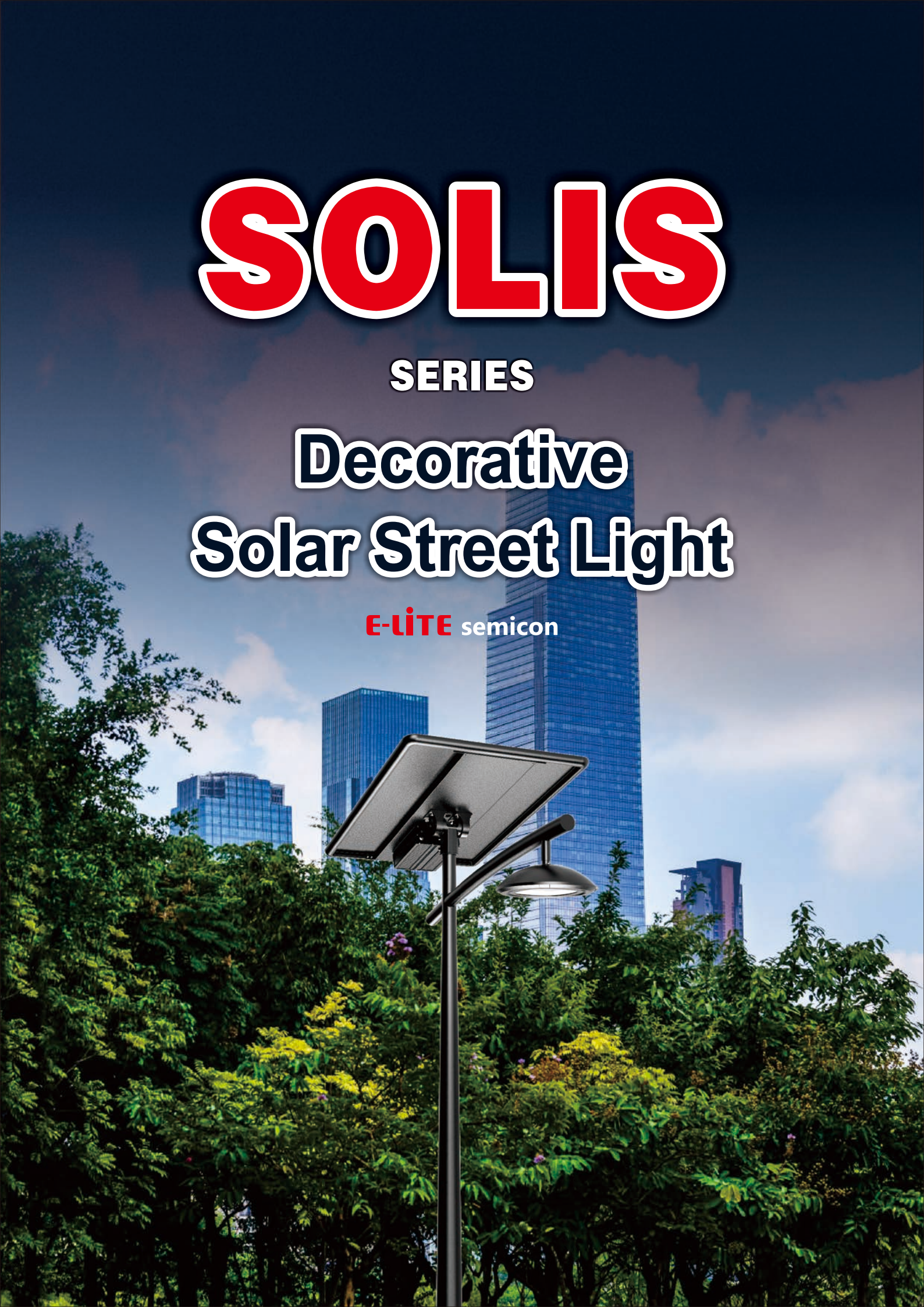
SOLIS

SERIES

Decorative Solar Street Light

E-LİTE semicon



LUMINATING URBAN MODERNITY WITH SOLAR ENERGY

Amid the sleek lines and vibrant rhythm of urban life, modern solar street lights rise—clean, efficient, and designed for the contemporary city. E-Lite Solis LED solar street lights are fully powered by solar energy, blending seamlessly into the metropolitan environment with their minimalist and functional aesthetic.

These modern-look solar LED street lights offer outstanding stability, long service life, and effortless installation. They are ideal for a variety of urban roads, living districts, factories, tourist attractions, parking lots and the area in remote locations where the electricity is unavailable or erratic.

Embrace a smarter, greener urban future—where technology serves the people and respects the Earth.

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.

E-LİTE semicon

APPLICATIONS

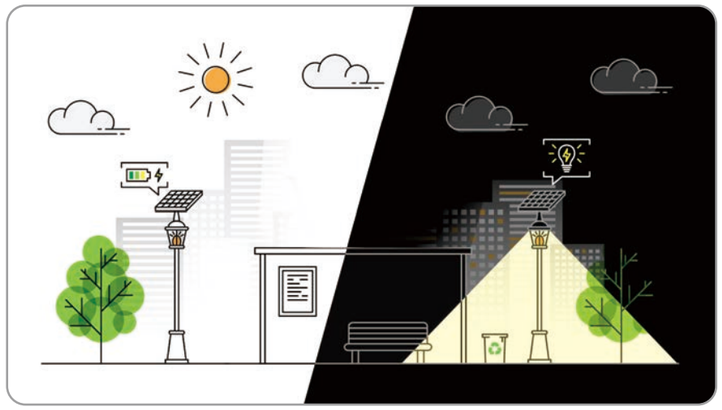
- Street Lighting
- Roadway Lighting
- Pathway Lighting
- Ramp Lighting
- Sidewalk Lighting
- Private Road Lighting

- Farm Lighting
- Wildlife Area Lighting
- Perimeter Security Lighting
- Park Lighting
- Gate Lighting
- Railway Yard Lighting

- Fence Lighting
- Campus Lighting
- Ship Dock Lighting
- Remote Area Liehting
- Military Base 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.

E-LITE semicon

NOT THE FUTURE, JUST NOW!

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.

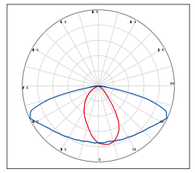
High Lumen LED for maximum efficacy. Dedicated designed low-voltage solar controller technology with dimming capabilities for power-save management. Lifetime > 50,000 hrs and CRI nominal 70.

Microprocessor managed algorithms autonomously determine sunrise and sunset.

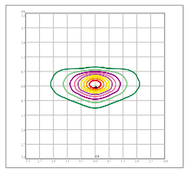
Easy to install without buying cables and rectifiers.

PHOTOMETRICS

60×150°（TYPE Ⅱ-S）

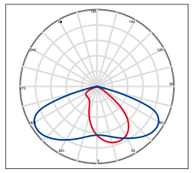


0.0~180.0
90.0~270.0

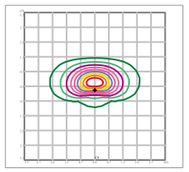


Mount Height(m): 4

65×150°（TYPE Ⅱ-S）

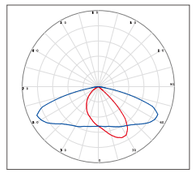


0.0~180.0
90.0~270.0

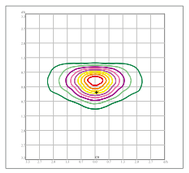


Mount Height(m): 4

70×150°（TYPE Ⅱ-S）

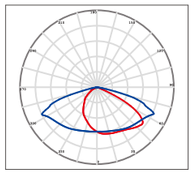


0.0~180.0
90.0~270.0

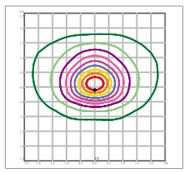


Mount Height(m): 4

90×150°（TYPE Ⅲ-S）

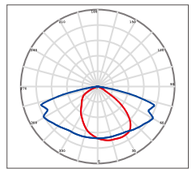


0.0~180.0
90.0~270.0

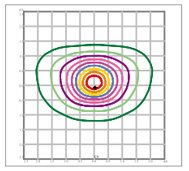


Mount Height(m): 4

90×155°（TYPE Ⅱ-S）



0.0~180.0
90.0~270.0



Mount Height(m): 4

PERFORMANCE

	80W
	160lm/W
LEDS	Philips Lumileds
DIM	PIR & Timer Dimming
CCT	5000K (2500~6500K optional)
IES	60×150° / 65×150° / 70×150° / 90×150° / 90×155°
	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

SPECIFICATIONS

Light Fixture

Part#	Power	Efficacy (IES)	Total Lumen	Solar Panel	Battery	Light Fixture	
						N.W	Product Dimensions
EL-SLST-80	80W	160lm/W	12,800lm	160W/36V	25.6V/24AH	8kg	Φ522×227
				250W/36V	25.6V/36AH		
				300W/36V	25.6V/48AH		

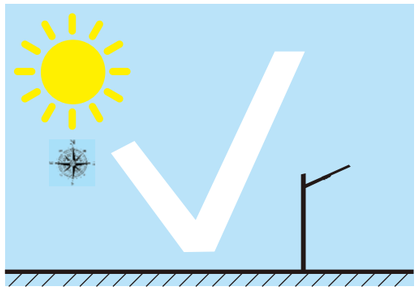
Solar Modules

Solar Panel	N.W	Product Dimensions
160W/36V	8kg	1150×850×33mm
250W/36V	12kg	1210×1150×33mm
300W/36V	14kg	1430×1150×33mm

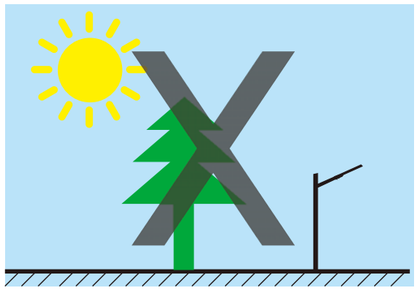
Battery

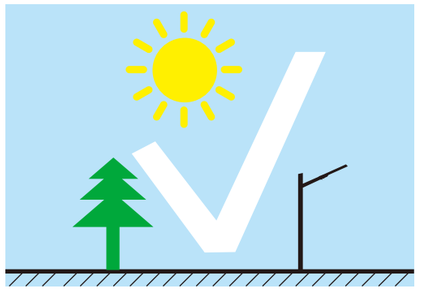
Battery	N.W	Product Dimensions
25.6V/24AH	7kg	345×227×94mm
25.6V/36AH	9kg	345×227×94mm
25.6V/48AH	12kg	445×227×94mm

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.

ORDERING INFORMATION

E-LITE semicon