MARVO™

Flood Light with

Split Solar Panel

E-LİTE semicon





EXTRAORDINARY PERFORMANCE

Marvo solar flood light is an efficient and reliable solution for wide outdoor applications where electrical connection is not possible or very difficult.

With LiFePO4 battery and split solar panel, the sturdy die-cast Marvo solar flood light is IP66 and IK08 rated as a perfect solution for amenity, security, landscape, parking, plaza square, individual homes and architectural lighting.

KEY FEATURES

System Light Efficacy 165LPW 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).

Five years warranty.





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.

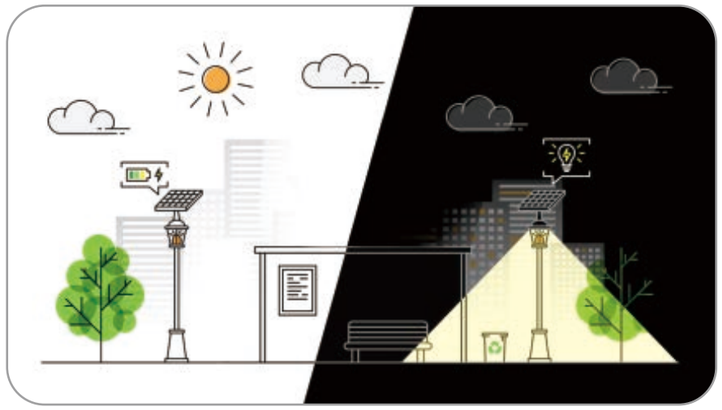
Quality lithium batteries are used to store the energy, provide energy for immediate requirements, and enable a back-up for days when there is little or no sun.

High Lumen LED for maximum efficacy. Dedicated designed low-voltage solar controller technology with dimming capabilities for power-save management. Lifetime > 100,000 hrs and CRI nominal 70.

Microprocessor managed algorithms autonomously determine sunrise and sunset

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 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.





PERFORMANCE

	20W / 30W / 50W / 60W
	165lm/W
LEDS	Philips Lumileds
work	One consecutive rainy day
DIM	PIR
CRI	⩾70
CCT	3000K / 4000K / 5000K
100K	L70>100,000hours
IES	120° / 100×120°
	IP66
IK	IK08
	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

SPECIFICATIONS

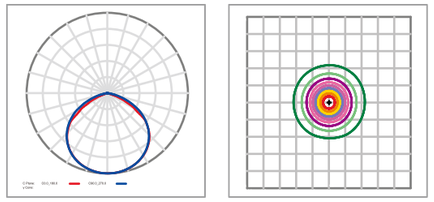
Part#	Power	Solar Panel	Battery	Efficacy (IES)	Total Lumen	N.W	Product Dimensions
EL-MVFL-SOLAR-20	20W	20W/18V	18AH/12.8V	165 lm/W	3,300lm	3.5kg / 7.7lbs	338.5×323×80mm 13.3×12.7×3.15in
EL-MVFL-SOLAR-30	30W	30W/18V	30AH/12.8V	165 lm/W	4,950lm		
EL-MVFL-SOLAR-50	50W	50W/18V	42AH/12.8V	165 lm/W	8,250lm		
EL-MVFL-SOLAR-60	60W	60W/18V	54AH/12.8V	165 lm/W	9,900lm		



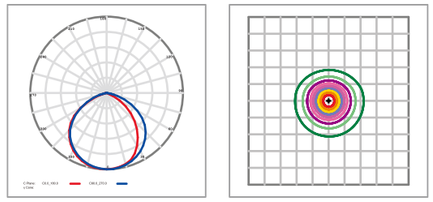


PHOTOMETRICS

120°（Without Additional Louver）



100x120°（With Additional Louver）

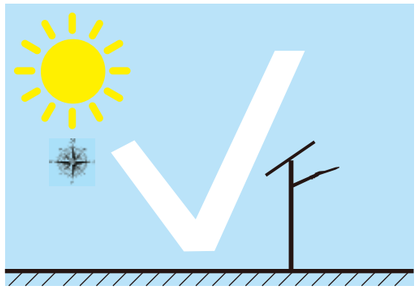




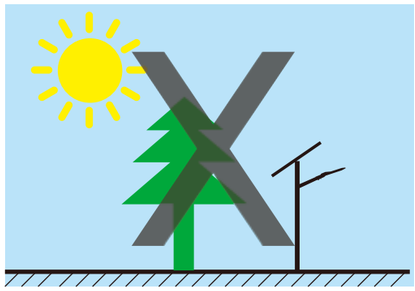


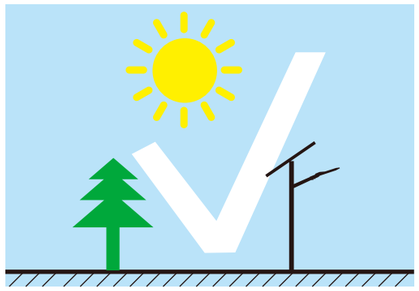


INSTALLATION



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.

Universal Hanging Bracket

1. Rotate the bracket to the desired angle and tighten screw to lock it.
2. Bolt the universal mounting bracket to the field mounting point. Bolt the center point before thetwo side points. Tighten the bolts to wrench tight.
3. Wiring.(Connect supply wires to luminaire wire leads per the wiring diagram using methods that comply with all applicable codes.)



U Bracket Mount



Trunnion



Slip Fitter



Knuckle

ORDERING INFORMATION

E-LITE semicon

