

Musun

Solar Garden Light

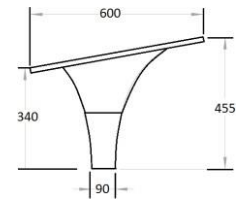
- High Luminous Flux Output
- Suitable for gardens and pathways with 360-degree beam.
- Glare-free lighting in solar energy, and stand-alone off-grid functioning.
 - Zero operational costs with Solar Green Energy
 - Built-in lighting programs for smart Lighting.
- Day Light sensor/ Motion sensor option for saving energy.



5 5 Years
Standard Warranty



Dimension Drawing



General Specification

Voltage	12Vdc
CRI	>80
Life Time	60,000h
Ambient Temp	-30°C to 70°C
Housing	Aluminum Alloy

Order Code	Type	Power	Beam Angle	Finish	CCT	Lm	Dimension
ESLM2318	Solar LED	18W	140°	Grey	4000K	2800	2800
ESLM2336	Solar LED	36W	140°	Grey	4000K	5600	5600



Lighting Performance

Item number	ESLM2318
Luminous flux	2,800lm max
Peak LED power	18W
CRI	>80
LED type	SMD2835 164pcs
CCT range	Dual color 3000K+4000K or 3000K+6000K
LED lifetime	>100,000 hours

LifePO4 Battery

Battery type	Brand new LifePO4 32700 6000mA 3.2V
Battery capacity	154WH 12.8V
Battery lifetime	6000 cycles @ D.O.D 80%
Charge Time	4 hours
Discharge time	>24 hours
Working temp.	-15 °C ~ 70 °C
Battery autonomy	2 - 3 days, 3~5 days in motion detection mode

Solar Panel

Peak Power	38W
Rated Voltage	18V
Cell Type	MONO crystallinesilicion
Cell Efficiency (%)	>22.5%
Lifetime	>20 years
Waranty	5 years

Control System

Control method	Automatic dusk to dawn
Solar charge controller	MPPT controller
Charging efficiency	>97%
Remote type	2.4G radio
Operation distance	<30 meters
Sensor type	PIR motion sensor
Grouping function	Yes
CCT changeable	Yes
LED power changeable	Yes
Time changeable	Yes
Working mode changeable	Yes

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Remote Function



Change Light Color

The color is switchable between cool white 6000K (or daylight 4000k) and warm white 3000K. Easy to set by remote as required. Winter with warm white and Summer time with cool white. Creating a comfortable atmosphere freely.

Change Light Power

The power is changeable as 20%, 40%, 60%, 80%, and 100% to adjustable according to the local solar radiation to save energy, guaranteeing the lighting service is always there even in very challenging conditions.

Change work mode

The default setting is continuous lighting with fixed brightness, also motion sensor function is available, The luminaire works with 30% power normally and works with 100% power when the motion sensor is triggered at people come by. Saving more power with longer battery backup.

Change Time

Different lighting time durations are available as 4 Hours, 6Hours and 12 Hours operational to meet different requirements. This helps to save more energy and extend the lifetime of light as well as more days backup.

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 Solar
Lighting

 Solar
Power