



# LUMINA SERIES

Cost Effective Solar Lighting Solutions

*GREENSHINE'S DECORATIVE SOLAR LIGHTING*



## Standard Features

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### **Solar panel**

Mono or polycrystalline silicon based solar panels, with conversion efficiency as high as 15%. The crystalline-silicon panel has an aluminum frame and glass on the front, guaranteeing excellent protection against the environment. The expected lifetime of the solar panels is 20~25 years

### **LED fixture**

An advanced LED street lighting fixture emitting brilliant light with excellent color clarity. We propose a large variety of design to fit customer expectation

### **Batteries**

Leak proof deep cycle lead-acid batteries, GEL batteries wired in series or parallel and placed in a battery pack. Waterproof battery box for underground burial, or metallic battery box for on-pole attachment are available options. Expected lifetime of 7 years and a 5-year warranty (for US only), pro-rated replacement credit from third year as follows: Third year- 50% replacement credit; Forth year- 30% replacement credit; Fifth year- 20% replacement credit. For locations other than the US please see quote

### **Pole**

We propose 13 to 20 feet pole, with powder coated finish. Poles are made of hot galvanized steel

### **Controller**

Degree of Protection- IP65, is the perfect type of controller for humid location. Energy saving mode allows the controller to supply the LED with lower power when the batteries are running low on energy

### **Wattage**

30W (recommended)  
2 x 30W  
60W

## Advantages

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- Multiple options on light power and pole height for different applications.
- High brightness: individual CREE LEDs with up to 130lm/W. The brightness of the LED lamp is equivalent to 2~3 times that of a HPS lamp and 6~10 times that of an incandescent lamp.
- Designed to operate during the winter months even when there is a great deal of snow and rain.
- Customized lens and matched light fixture for different applications.
- Gel battery provides excellent performance in locations with large temperature fluctuations.
- Smart Energy Saving Mode available: High brightness for rush hours, reduced brightness or shutoff for late night and increased brightness for early birds.
- Multiple lighting modes available: dusk to dawn, split night, full power, dimming.
- Multiple options for colors, lamp arms, battery positions.
- Fast and easy installation.
- Maintenance free.

## Applications

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- Park lighting
- Street lighting
- Pathway lighting
- Decorative lighting



## Design options

### Pole Height

| 12', 17', 20', 26' hot-dipped- galvanized steel

### Fixtures option

| GS-LED-260

| GS-LED-05

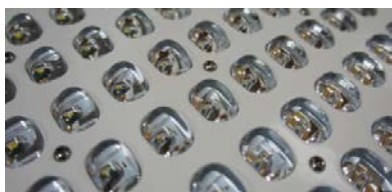
| GS-LED-L30

### Working modes

| Dusk to dawn

| Full brightness

| Timer control



GS-LED-L30



GS-LED-05



GS-LED-260



*For more design options, contact us directly*