

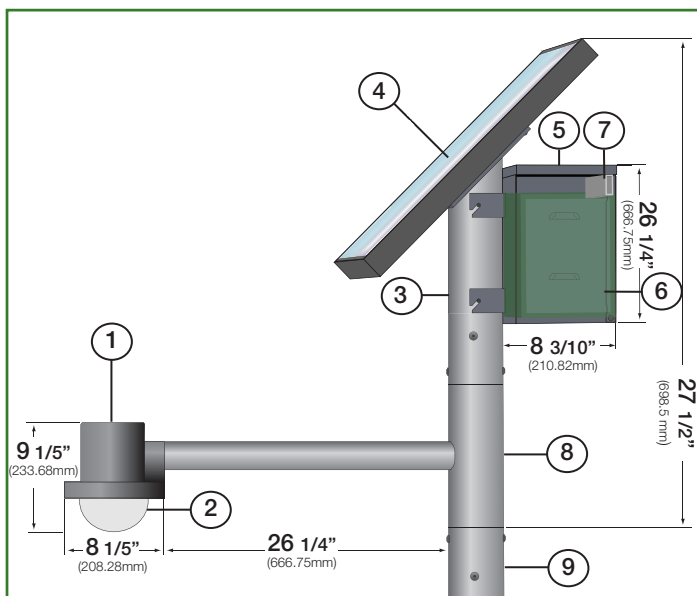
## GreenWay® Series Lighting

Complete solar LED lighting system for safety and security.



### System Details

- Ideal for applications that require a lower fixture mounting height.
- Modular power unit and luminaire are separate allowing for solar array to face proper direction regardless of the orientation of the fixture.
- Easy to startup - factory programmed eliminates any field configuration; plug and play connectors for quick assembly.
- Robust design - sturdy corrosive resistant aluminum hardware.



- 1. Luminaire** - Standard model includes die cast Ascot fixture with polycarbonate hemi-dome lens. Sealed for corrosion resistance and condensation prevention. IP65 rated and CE certified. Optional die cast shoebox luminaire (not shown) with hinged cover features IDA full cut-off lens.
- 2. Optics** - High lumen LEDs rated at 65,000 hours last for at least 15 years of lighting. IES Types 2 & 5. Type 5 is IDA Dark Sky certified. Efficient, bright, white light provides uniform light distribution.

- 3. Panel Mount** - Grade "A" corrosion resistant aluminum frame supports solar panel and battery enclosure. Allows for proper orientation of solar array.
- 4. Solar Panels** - Poly-crystalline photovoltaic panel in 90W, 125W and 135W UL single modules.
- 5. Battery Enclosure** - Vented Grade "A" corrosion resistant aluminum unit holds battery and smart controller. Hinged cover features optional locking device for additional security.
- 6. NRGLife™ Battery** - Maintenance-free 12V 100Ah rated sealed valve regulated lead acid (Gel) battery provides multiple nights of battery back-up.
- 7. Smart Controller** - An LED driver with an integrated solar charge controller that monitors and regulates charging and discharging of batteries as well as controlling and dimming of LED luminaire. Programmable to control hours of operation and light level requirements. Accessible through hinged battery enclosure cover.
- 8. Luminaire Arm** - Made of Grade "A" corrosion resistant aluminum. Holds luminaire for proper positioning of light. Secured by panel mount and pole through eight drive rivets.
- 9. Pole (Optional)** - 4" I.D./4.5" O.D. Schedule 40 straight aluminum direct burial pole.
- 10. Warranty** - 10 year system warranty includes five year limited warranty on batteries, 10 years on electronics, wiring, fixtures and 20 years on mounting hardware and solar panels.

# GreenWay® Series (GY)

## Specifications

Solar Panel	Dimensions Length x Width x Height	Panel Power (output amps)	System EPA (Effective Projective Area)	System Wgt. (with pole)
90 Watts	39.48" x 26.06" x 1.81" / 1003 mm x 662 mm x 46 mm	4.56 amp @ 12V	7.18 sq. ft / .667 m <sup>2</sup>	250 lb. / 113.40 kg
125 Watts	58.58" x 26.06" x 1.88" / 1488 mm x 666 mm x 48 mm	7.14 amp @ 12V	10.05 sq. ft / .934 m <sup>2</sup>	300 lb. / 136.08 kg
135 Watts	59.1" x 26.3" x 1.81" / 1500 mm x 668 mm x 46 mm	7.63 amp @ 12V	10.15 sq. ft / .943 m <sup>2</sup>	299 lb. / 135.62 kg

The chart above is for reference only. Sol provides calculated EPA and weight when a system is quoted and submitted.

## Mounting

4" I.D./4.5" O.D. Schedule 40 straight aluminum pole - standard 24 ft. pole cut to size or used as is for longer burial depths in high wind applications

Weight: max. 68 lbs.

Soil is Augured 14" diameter and filled with concrete. It is recommended to check locals codes before burial.

Burial depth for GreenWay® pole for the following wind speeds:

- 140 mph - depth is 7 feet
- 120 mph - depth is 6 feet
- 90 mph - depth is 5 feet

A consideration of field conditions such as (but not limited to) wind zone, height and vibration must be given by the designer/specifier for the appropriate application. Performance of poles is dependent upon proper support/attachment of pole to adequate foundation design. Sol does not design or offer recommendations for foundations. EPA values assume that the bottom of the pole is at grade level. Consult project engineer for embedding, soil condition, depths and foundation material.

**WARNING:** This design information is intended as a general guideline only. The customer is solely responsible for proper selection of pole, luminaire, accessory and foundation under the given site conditions and intended usage. The addition of any items to the pole, in addition to the luminaire, will dramatically impact the EPA load on that pole. It is strongly recommended that a qualified professional be consulted to analyze the loads given the user's specific needs to ensure proper selection of the pole, luminaire, accessories, and foundation. Sol assumes no responsibility for such proper analysis or product selections. Failure to insure proper site analysis, pole selection, loads and installation can result in pole failure, leading to serious injury or property damage.

**GENERAL INFORMATION:** Mounting height is the vertical distance from the base of the lighting pole to the center of the luminaire arm at the point of luminaire attachment.

