



**SILICON SOLAR**

INNOVATIVE SOLAR SOLUTIONS™

## GenLight Edge+ Back & Edge Solar Sign Lights

### **EXTREME PERFORMANCE**

The Strongest Solar Flag Lighting System Around

### **AMERICAN DESIGNED & MADE**

The EnviroLight Is Designed & Built Here In The USA

### **HIGH COST-EFFECTIVENESS**

Lowest Price & Highest Rate Of Return On The Market

### **GUARANTEED PERFORMANCE & ROI**

Features An Industry-Leading 25-Year Warranty





## Why Choose GenLight Edge+

The most common sign lighting request we have received for years is a system for lighting box signs - edge and backlit lighting systems. The GenLight Edge+ is the culmination of our R&D in this area.

Through over 16 years of trial and error, we have learned from mistakes, built on successes and developed a powerful, cost-effective and highly popular series of GenLight Edge+ solar powered edge & backlit sign lights.

In the past, our pre-packaged systems simplified the process of purchasing a solar sign light, but it was difficult to meet the needs of every customer. Today, we design, develop and build a customized GenLight Edge+ system for every customer that invests in a edge or backlit solar sign light from Innovative Solar Solutions.

### Every GenLight Edge+ Features:

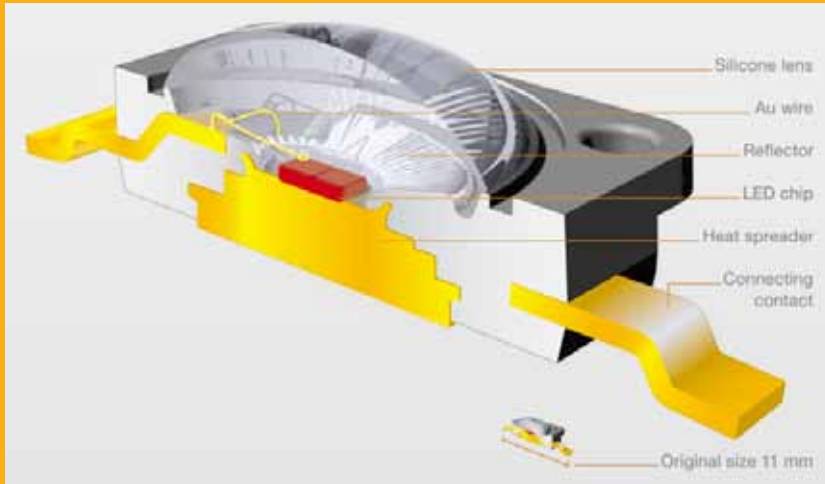
- Best value of all internal sign lighting options
- Industry-leading warranties on all GenLight Edge+ systems
- Unmatched technical support & service
- Certified & UL/cUL Listed components & designs
- Eligible for state & federal solar rebates & incentives

### We Test Every Lighting Kit

Before delivery, every GenLight Edge+ lighting kit is setup by a certified electrician and tested for a week. This ensures that every GenLight Edge+ shipped from our warehouse is guaranteed to work as designed at installation.



## LED Manufacturing & Testing



## LED Manufacturing & Testing

### Our LED light fixtures feature:

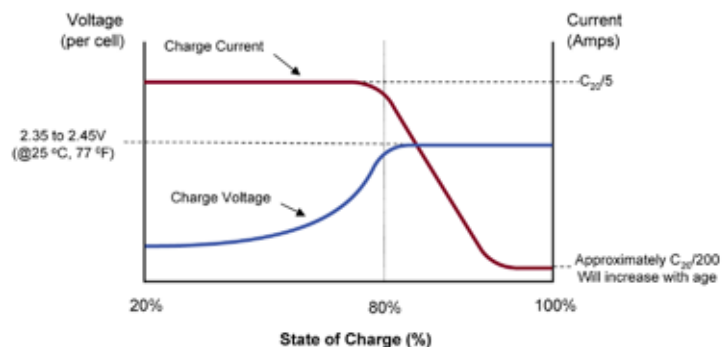
- 3150K color temperature to eliminate glare and provide the best lighting quality
- Integrated LED driver to maintain maximum efficiency reduce LED overloading that can cause damage and destruction
- Quality tested for performance in Upstate New York to guarantee durability in the harshest climates and weather



## LED Manufacturing & Testing

All of our LEDs and LED light fixtures are manufactured and tested according to the exacting standards developed by Silicon Solar's engineers over more than a decade of experience building commercial solar lighting systems.

### Recommended Trojan AGM Charging Profile



Note: Charging time will vary depending on battery size, charger output, and depth of discharge.

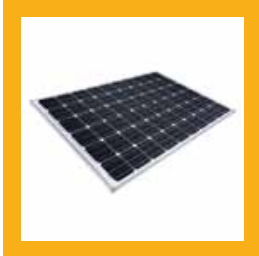
## Battery Performance Testing

Before it leaves our facility, every EnviroLight System is assembled and tested for 7 days. This extended testing period:

- Includes full charge / discharge re-charge of the system for 1 week to verify battery effectiveness & operation times
- Ensures that all batteries are operating properly and charging discharging as determined by the system engineers

## What's Included In Every GenLight Edge+

Every GenLight Edge+ solar lighting kit includes all of the major components needed for installation and operation.



### Solar Panels

High-efficiency solar panels built in the USA are the workhorse of the GenLight Edge+ system. Our engineers will determine exactly how many your GenLight Edge+ requires



### Battery Bank

The battery bank makes solar lighting possible. Every GenLight Edge+ uses the very best battery technology from the top USA manufacturers to ensure maximum performance



### Weatherproof Housing

The weatherproof housing safely stores the batteries, DC safety disconnects and all of the GenLight Edge+'s control systems in any climate year-round



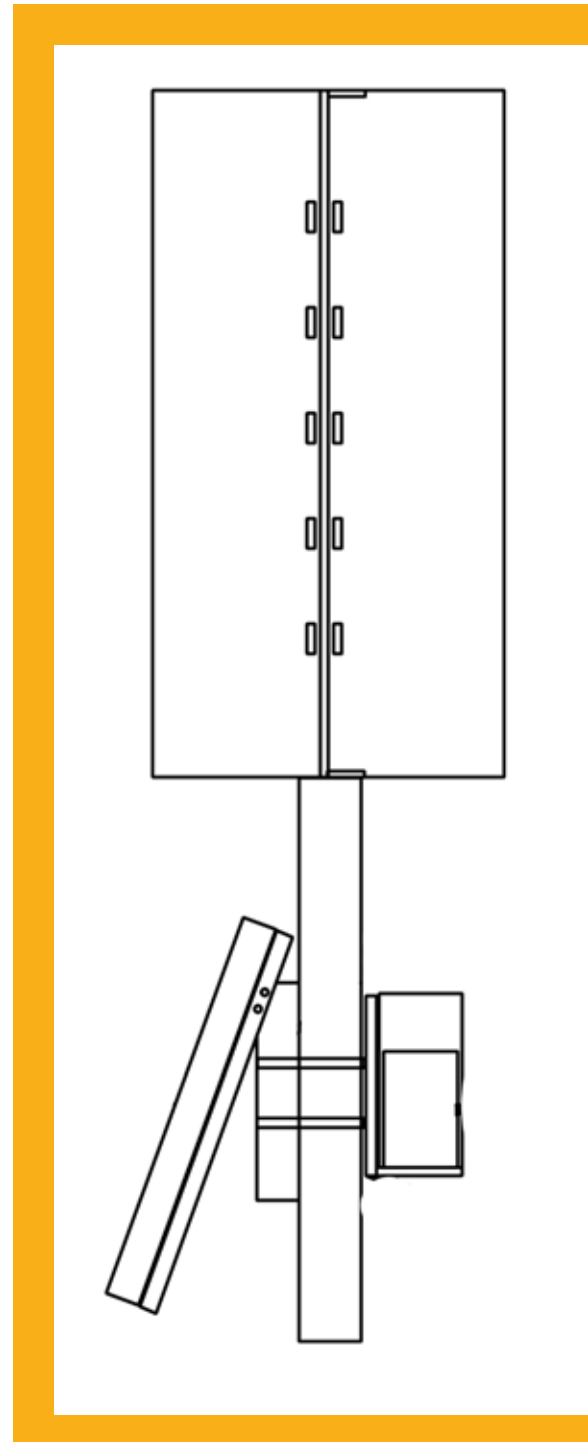
### Panel Mounting Racks

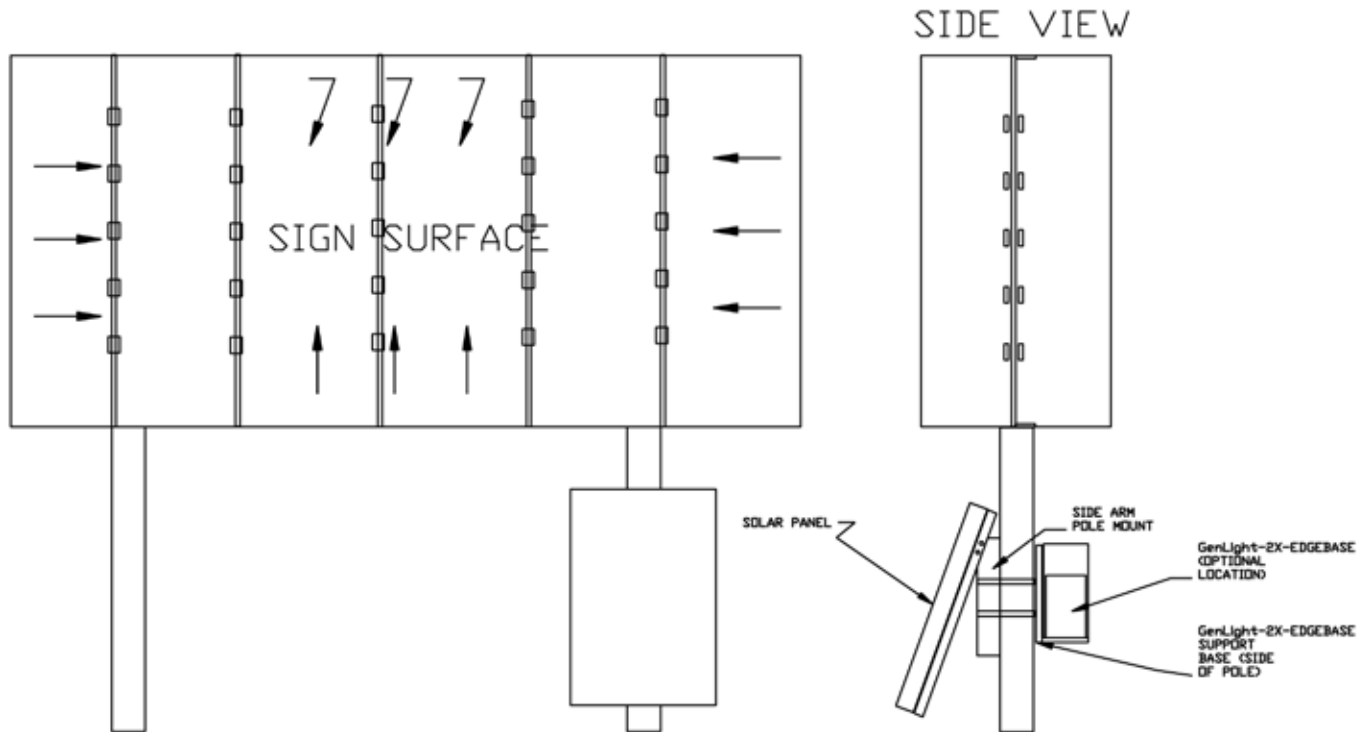
Our side-of-pole solar panel mounting racks are made in the USA of steel and aluminum alloys. They are guaranteed to keep your solar panels safe and secure for the life of your system



### Plug-N-Play Wiring

To simplify installation and maintenance, every GenLight Edge+ uses pre-wired SAE plug-n-play wiring connections.





**Available LED Models**



Depending on your budget & luminosity requirements, we offer 2 different LED options

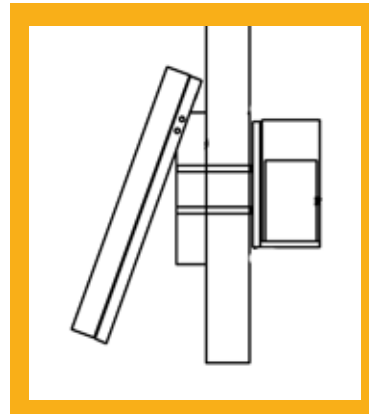
Super Bright LEDs  
60 Lumens

Ultra Bright LEDs  
120 Lumens

**LED Specifications**

Color Temperature	5500K
Rated Voltage	12 VDC
Coverage Area	8" x 8"

**Mounting Options**



**Pole Mounting**

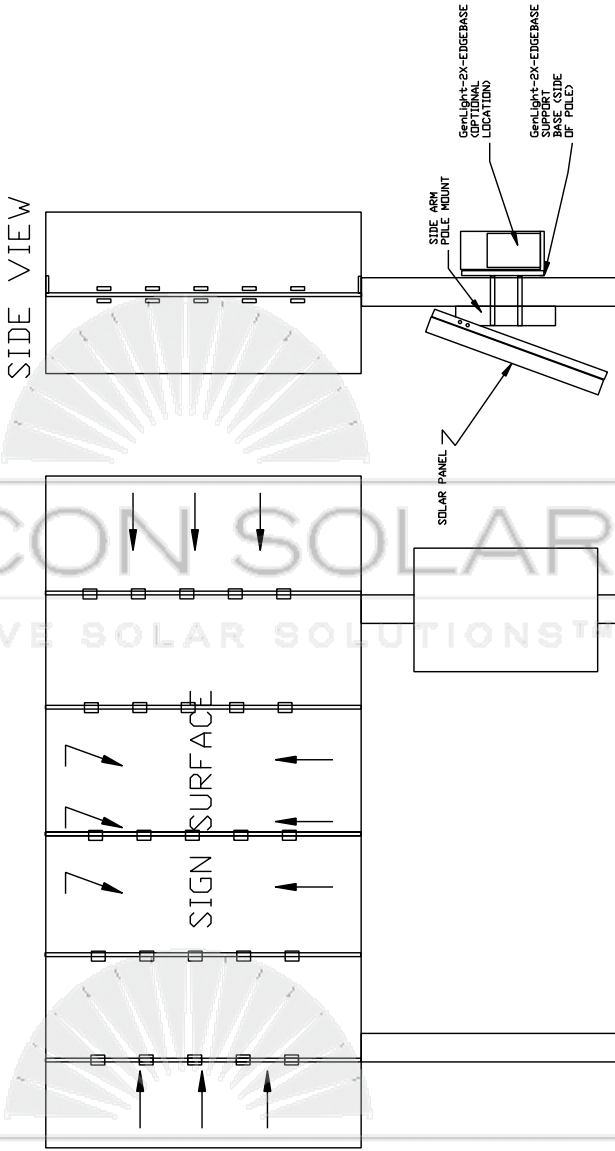
Each kit includes a side of pole mount for the solar panels, as well as an additional side of pole mounting bracket for GenLight Edge+ control box, which contains the batteries, controller and main electrical connections.

**Mounting Versatility**

Other mounting options may be available for both your solar panels and your GenLight Edge+ control box depending on the specific structure of your sign. If you think you may need a custom mounting solution, please ask your sales representative about the options that may be open to you.

DRAWING NOTES  
 GENLIGHT 2X EDGE+ SOLAR LED LIGHTING SYSTEM

Back-Lit Solar Sign  
 Lighting System



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GenLight 2x Edge+

Designed: SM

Drawn: SM

Checked: AF

Date: 1/23/2015

SCALE: NTS

GenLight-2x  
 Edge+ Solar  
 System

ISS-100

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