

WHY SOLAR?



REMOTE LOCATIONS

- Where grid is difficult to access
- Sensitive environments



IMMEDIATE ENERGY SAVINGS

- No energy costs throughout life of product



LOWER INSTALLATION COSTS

- No trenching or cabling
- Shorter installation time compared to on grid systems



GREEN STATEMENT

- Viable and sustainable energy alternative
- Recyclable battery and components

OUR DIFFERENCE

INDUSTRY-LEADING EXPERTISE

- World leader in solar LED lighting solutions, since 1990
- Publicly traded on the TSX (CMH)
- Extensive experience in outdoor lighting industry

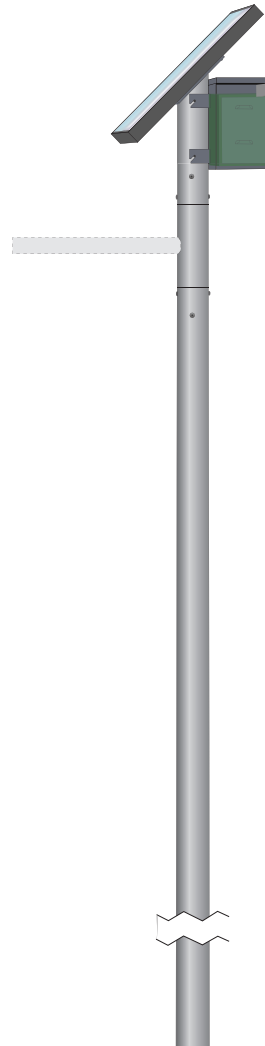
ADVANCED LIGHTING TECHNOLOGY

- Designed for lighting applications
- Dimming and operating profiles for adaptive lighting
- Superior LED luminaires

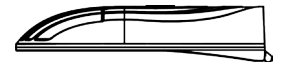
CUSTOM SOLUTION FOR YOUR APPLICATION

- Precision-engineered for your application
- Array of solar engines available for your portfolio
- Aesthetic-design and value-built engine options

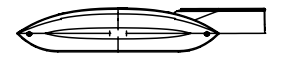
REPRESENTED IN YOUR REGION BY:



LUMINAIRES



Cree XSP1™ LED Street/Area Light



Cree EDGE™ LED Street/Area Light

EternO[®] 4 ENERGY MANAGEMENT SYSTEM

The EternO[®] 4 ensures bright, reliable light output and healthy, high-functioning lighting systems with maintenance-free operation.

- Monitors and regulates charging and discharging of batteries
- Efficient transfer & dynamic management of energy (95% efficiency)
- Day/night transition via solar panel eliminates need for photocell
- Ten day/night memory averaging ensures accurate turn on/off of lights to prevent false response due to weather variations
- Allows for dimming of LED luminaire
- Temperature compensation and PWM controlled battery charging
- Low-voltage disconnect for battery protection

POLE MOUNTING

4" ID/4.5" OD Schedule 4 straight aluminum direct burial pole. Standard 24 ft pole cut to size or used as is for longer burial depths in highwind. Can be cut to length. Weight: Max 68 lbs.

Soil is augured 14 in diameter and filled with concrete. It is recommended to check local codes before burial.

Burial depth for GreenWay[®] 24 ft pole for the following wind speeds:

- 170 mph - depth is 8 ft
- 140 mph - depth is 7 ft
- 120 mph - depth is 6 ft
- 90 mph - depth is 5 ft

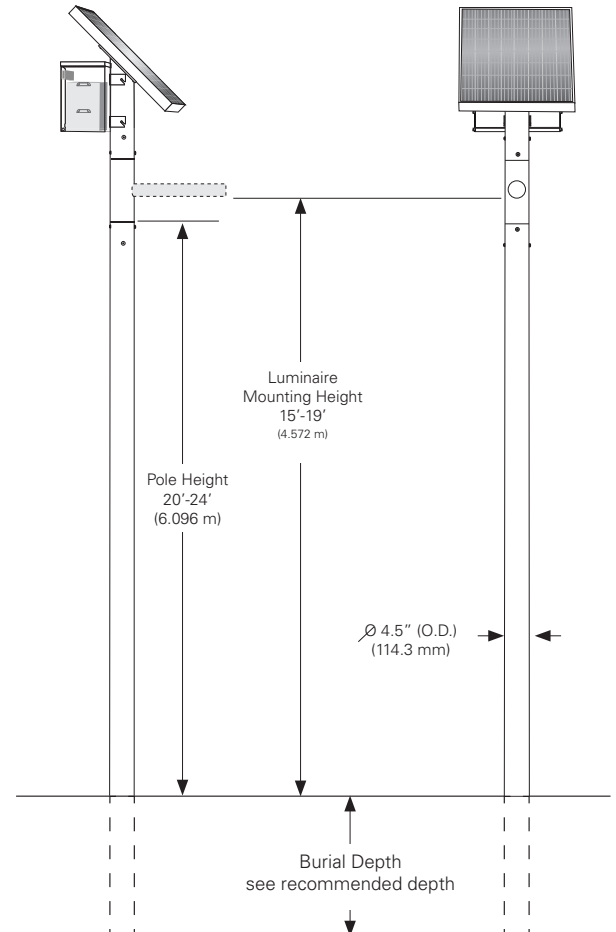
TECHNICAL SPECIFICATIONS

SYSTEM DATA	Single Panel, 1 Battery
*EPA	10.15 ft ² 0.943 m ²
System Weight	299 lb 135.62 kg
Dimensions	59.1 x 26.3 x 1.81 in 1501 x 668 x 46 mm
**Wind Load Rating	105 mph 170 kph
System Colors	Bronze or black
Material	Grade "A" corrosion resistant aluminum for battery enclosure, solar panel frame and luminaire arm
Security	Security bolts used to fasten cover. Battery box mounted at top of pole to reduce vandalism and theft opportunities.
Warranty	5 year system warranty, additional pass-through of existing warranties, batteries pro-rated
BATTERY	
Type	Maintenance-free, lead acid gel cell battery; spill-proof, leak-proof
Rating	1800 cycles to 20% Depth of Discharge at 20°C (68°F)
LUMINAIRE	
Type	Cree XSP1™ LED Street/Area luminaire; Cree EDGE™ luminaire
IES Light Distributions	Type 2 Long, 3 Med, 4 Med, 5 Med
Color Temperature Options	4000K; 5700K
Color Rendering Index (CRI)	Minimum 70 CRI
Mounting	Mounting hardware provided
CONTROLLER	
Type	EternO 4@ integrated solar charge controller and LED driver
Optional Operating Profiles	Dusk to Dawn and dimming profiles available
Day/Night Transition	Via solar panels
CERTIFICATIONS	
Battery	Built to comply with IES 896-2, DIN 43534, BS 6290 Pt4, Eurobat; UL Recognized
Luminaire	cULus Listed
	Certified to ANSI C136.31-2001 3G Bridge and Overpass Vibration Standards
	Meets CALTrans 611 Vibration testing
	Meets Buy American requirements within ARRA
Controller	Suitable for wet locations
	Luminaire and finish endurance tested to withstand 5000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
Controller	TUV listed to UL 60950-1:2007
	CSA C22.2.60950-1:2007

* (Effective Projected Area) at 0° Power Unit + Arm + Battery Box + Luminaire

** Wind load assumes 15 ft mount height

A consideration of field conditions such as 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 ensure proper site analysis, pole selection, loads and installation can result in pole failure, leading to serious injury or property damage.

Specifications subject to local environmental conditions.

Specifications may be subject to change.

Document: SOL_GY_Spec_Sheet_RevF

The management system governing the manufacture of this product is ISO 9001:2008 certified.