

SCOUT 2X100W SOLAR LIGHT TOWER



The **SUPER EMPOWER® Solar Light Towers** provide bright, energy-efficient lighting solutions. Powered by free renewable energy from the sun, in conjunction with heavy-duty LED light fixtures, it can be used in moderate to heavy lighting applications where a diesel, gas, or electric generator-powered light tower is needed.



"WE EMPOWER WATT MATTERS"

OUR
BRANDS



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SCOUT Solar Light Tower

2X100W

CATALOG		COMMENTS
PROJECT		
PREPARED BY		
DATE		

ABOUT OUR TOWERS

SCOUT solar light tower is the perfect product for a long-term illumination of medium to large sized working areas. The SCOUT solar light tower is a very compact model with the highest mast of the range which up to 20 units can be loaded on a single truck. but at the same time it can achieve 15ft height mast to ensures high illuminating coverage.

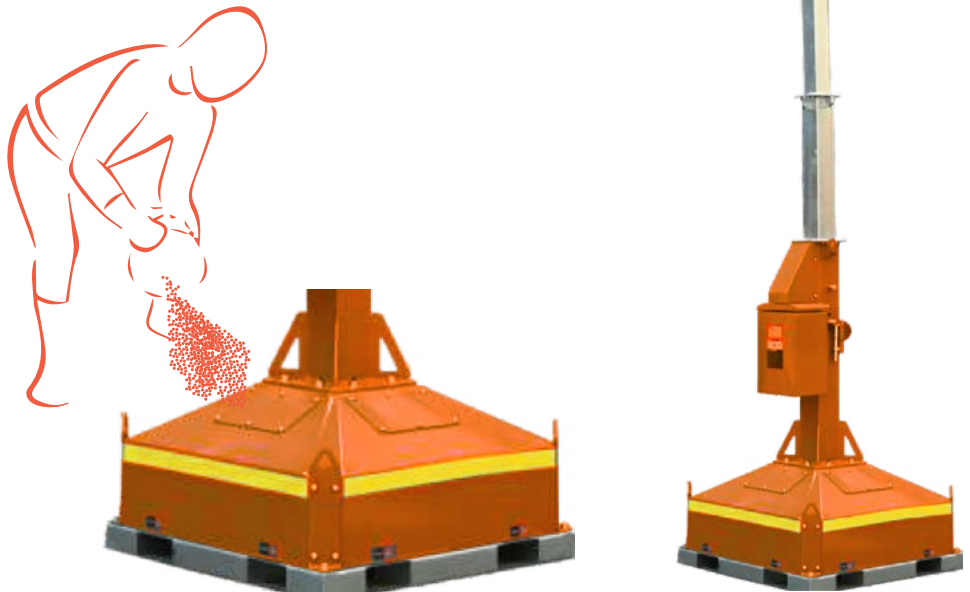
- Two heavy-duty LED light fixtures can be programmed for desired brightness from 25% to 100%. The lights can be individually aimed without the use of tools, and they stay where you point them. Lumen output up to 34,000 lumens.
- To Maximize battery life, the system's smart MPPT controller provides up to 30% more charging capacity, maximizing every available amp for optimal charging efficiency.
- The 'Manual Mast Operating Safety System' provides not only safety but also reduces operational requirements.
- 440W adjustable mono-crystal silicon solar panel provide outstanding power efficiency for reliable performance and long runtime.
- Forklift pocket, base (39.8 in x 39.8 in, matches a standard pallet)

SAND-WEIGHTED STEEL BUILD

Base Weight: 770lb (Without Sand)

Maximum Sand Capacity: 0.4 of cubic yard of sand=950lbs sand

Max Wind Speed: 90mph





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FEATURES

- S** Zero emission with no fuel and electricity bills
- S** Low maintenance with no engine or alternator
- S** Dusk to Dawn functions via photocell
- S** Adjustable-tilt solar array
- S** LED lights can be individually aimed at different angles
- S** Manual mast operating safety system
- S** Sealed, maintenance-free batteries
- S** 170Lumen/W, up to 34,000 lumens



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APPLICATIONS



CONSTRUCTIONS:

Our silent, zero-emission, off-grid portable solar light tower is revolutionizing the construction industry. It illuminates your workplace and provides security with no fuel.



DISASTER RELIEF:

Whenever disasters occur, the ability to quickly source emergency light is critical to save lives and minimize damage.



TRAFFIC:

These high-intensity, vehicle-mounted telescoping light towers provide the illumination needed to complete nighttime rescue, disaster, or investigative operations safely.



MINING:

Light towers are a vital 'backbone' piece of equipment in mining scenarios.



FILM + TELEVISION:

Portable & Mobile Solar Light Tower delivers zero-emission lighting with quiet operation perfect for film and television locations.



EVENTS:

It has never been easier to stage an event than with the help of light towers to provide security and illumination.



UTILITIES:

Utility organizations can use Solar Light Towers for multiple purposes with no fuel.



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SPECIFICATIONS

GENERAL

MODEL	SCOUT 2 X 100W
COVERAGE AREA	7,000 ft ²
LIGHT	2 X 100W 170LM/W adjustable LED light fixtures
LUMINOUS FLUX	17,000 lumens per fixture, 34,000 total lumens
BATTERY CAPACITY	230Ah, DC12.8V, 2940Wh
BRIGHTNESS (25%)	56 hours
BRIGHTNESS (50%)	28 hours
BRIGHTNESS (75%)	18 hours
BRIGHTNESS (100%)	14 hours
BATTERIES:	LFP (Charging Temp. -20°C/-4°F to 60°C/140°F)
WINCH	Manual Lifting
CHARGE TIME:	6 hours by Solar
AC CHARGER	Optional
DEPLOYED FOOTPRINT	214 X 40in (542 X 101cm), L X W
WEIGHT APPROX.	882lb (400kg)

SOLAR PANEL

TYPE	Mono crystal silicon
QUANTITY	1 X 440W



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MAST

HEIGHT	16 feet (5m) fully extended; lights operate at any height
SECTIONS	4
EPA@15°	8.6

GENERAL

WARNING STRIPS	SECTIONS	Included
LIFT LIMIT STOPPER		Included
LIFTING EYES		4
LIFTING RINGS		4

WARRANTY

1 Year





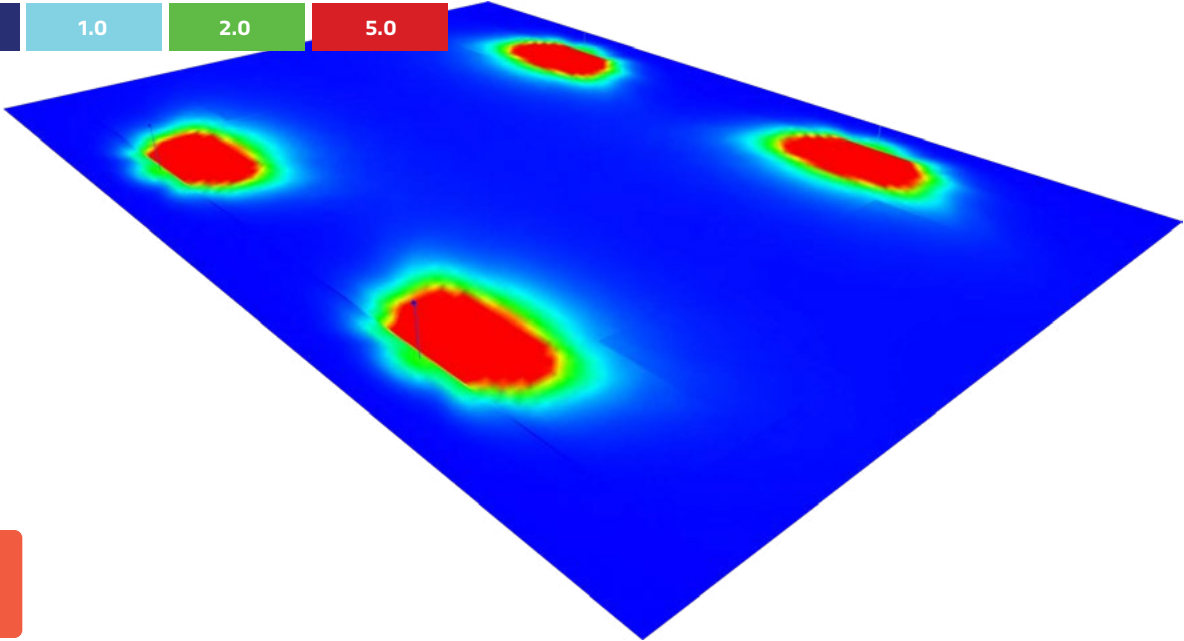
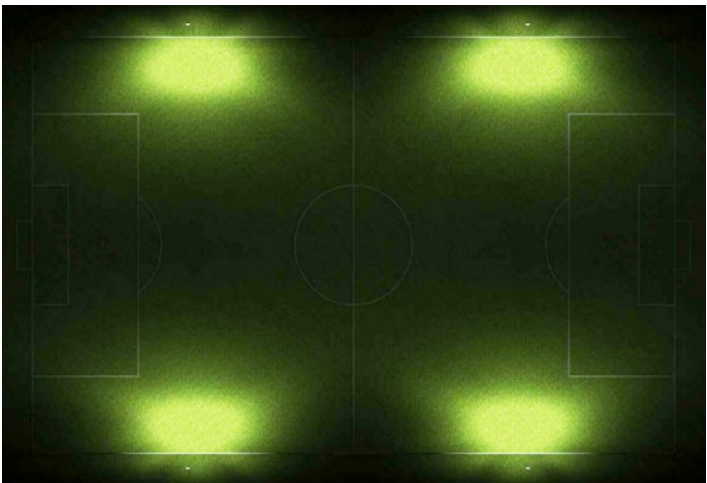
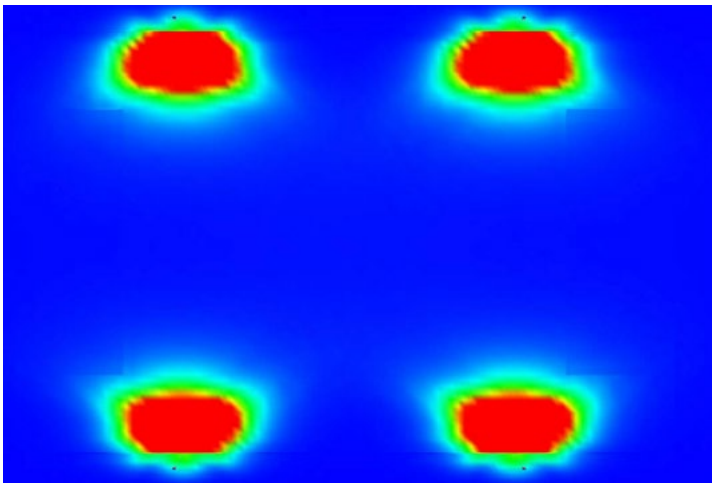
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LIGHT	Four Light Towers on a Regulation Soccer Field
LIGHT HEIGHT	15.0 ft.
LIGHTING AREA	380 X 260 ft.
TOTAL ACREAGE	2.27
ILLUMINANCE	1.77 fc Average across entire area at 100% brightness

AVERAGE ILLUMINANCE, FC



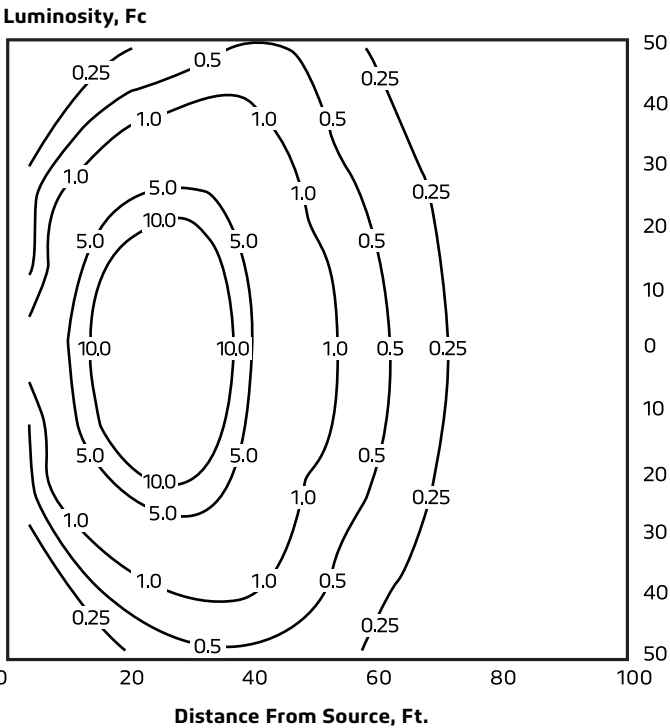
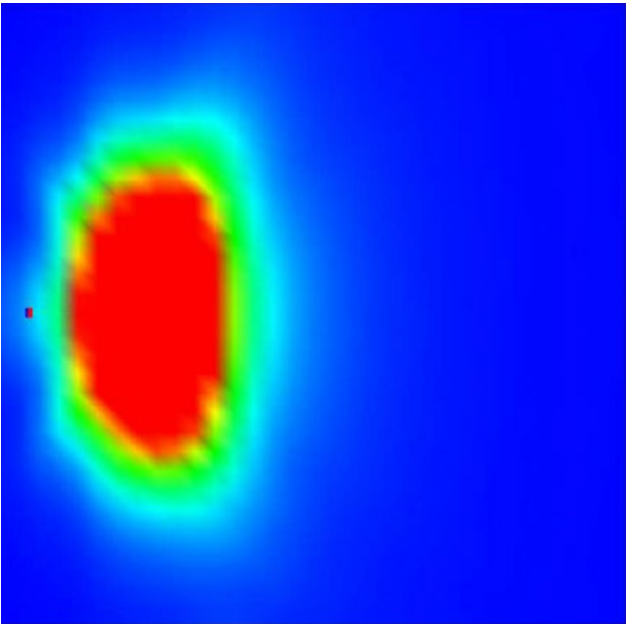
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LIGHT	Single Light Tower Isolines
LIGHT HEIGHT	15.0 ft.
LIGHTING AREA	100 X 100 ft.
TOTAL ACREAGE	0.23
ILLUMINANCE	3.1 fc Average across entire area at 100% brightness



Typical recommended light levels based on Illuminating Engineering Society (IES) documents except where noted:

- General Construction: 10 fc
- Self-parking: 1 fc
- Active Industrial Yards: 5 fc
- Haul Roads: 0.5 to 1 fc
- Flagger: 5 fc (per MUTCD)
- Quarries & Pit Mines: 5 fc

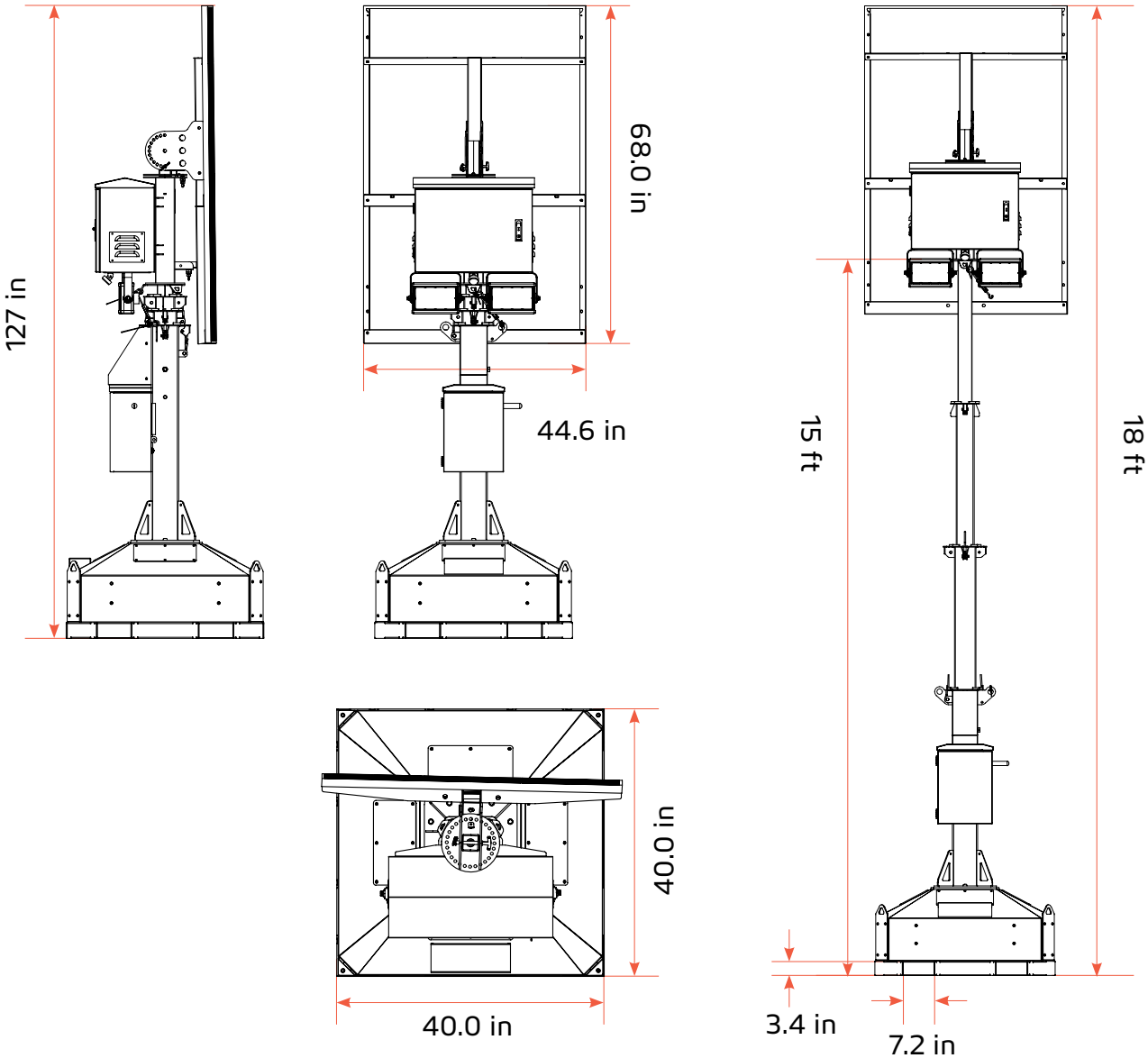


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PRODUCT SIZE

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All measurements are approximate and for estimation purposes only.

SUPER EMPOWER reserves the right to update all product data sheets at any time. Consult SUPER EMPOWER marketing specialists for publication updates at hello@super-empower.com

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