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SPLT-0.6K-LM30-1000AL-1XCBR.195-BC

Portable Solar Powered LED Street Light - 30' Tower - 7.5' Trailer - (2) Panels, (1) LED Light w/ DNS, Batteries/BC

Product ID: 322488

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

SPLT-0.6K-LM26-1000AL-1XCBR.195-BC Trailer Mounted 3-Stage Light Tower

Light Mast Specs
Tower Length: 13.5` to 30`
Mast Head Length: 44"
Materials: Steel
Finish: Powder Coated - Blue
Operation: (1) 1,000lbs Hand Winch
Cable: 3/16" Galvanized Aircraft Cable

Solar Specs
Panes: (2) 300 Watt panels
Method of Deployment: Slider
System Voltage: 24 Volts
Battery Bank: (4) 250aH AGM Deep Cycle Batteries
Battery Capacity: **100**aH Total / 500aH Usable
Charge Controller: Included, MPPT
Battery Charger: 120V

LED Lamp Specs
Lamp Technology: LED
Total Watts: 195W
Total Lumens: 19,800 lms
Luminous Efficacy: 102 lm/w
LED Life Expectancy: 60,000+ hours
Color Temp: -
Color Rendering Index: 70
Beam Angle: 10°, 30°, 60°, 110°, Down Light, Type II, Type III, Type IV, Type V S, Tunnel, Wide Flood
BUG Rating: B3 U0 G3 (Type II, Type III)
Sensor: Day/Night
Ambient Temp Range: -
Lamp Housing Material: Die Cast Aluminum
Mount: Side Tenon Mount (Tower)

Trailer Specs
Materials: Steel
Trailer Dimensions: 7.5`L` x 7`W trailer bed - 10.75` total length
Hitch: 2" Ball Coupler
Wiring: 7-Pin Flat
Axle: 3,500lb
Suspension: 3,500 Lb 4-Leaf Double Eye Springs

Quick Summary
13.5` to 30` Light Mast
Steel Construction
Powder Coated Blue Finish
Removable Mast Head
(4) Leveling Jacks
125 mph Wind Resistance
Manual or Optional Electric Operation
(2) 300 Watt Solar Panels
IP66 Rated LED Light
60,000+ Hour LED Life
Battery Charger

Leveling Jacks: (4) 1,000 Manual Crank Leveling Jacks
Wheels: (2) 15" 5x4.5 Steel Rims
Tires: ST205/75/D15 H188
Weight: +-600 lbs
Shipping: Common Freight
Shipping Dimensions: 8`-L x 8`-W x 12`-H
Shipping Weight: +-600 lbs
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

Special Orders - Special Requirements
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Made in the USA

The Larson Electronics SPLT-0.6K-LM30-500AL-1XCBR.195-BC Portable Solar Powered LED Street Light provides a safe and effective way for operators to quickly deploy intense LED illumination at elevations up to thirty feet. This solar light plant features a telescoping light tower, a rotating boom that allows for 360° rotation and a removable mast head for storing the LED light fixture when not in use. The unit has two 300-watt solar panels, 500aH capacity battery bank and battery charger. The entire assembly is mounted onto a 7.5` trailer, allowing operators to transport this solar light tower from location to location.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS OR LIGHT TOWERS

The SPLT-0.6K-LM30-500AL-1XCBR.195-BC is a complete, portable solar-powered lighting system for outdoor and remote locations. This unit consists of a 30' telescoping mast, two 300-watt solar panels, one LED street light, 500aH AGM deep cycle battery bank and battery charger. All components are mounted on a single-axle trailer. This system does not come with monitoring plans.

Operation:

- (2) 300W solar panels
- (2) 250aH AGM deep cycle batteries - 500aH total battery bank/250aH usable
- (1) 195W LED street light w/ day/night sensor
- Battery charger
- All system components secured to a DOT-approved trailer
- Trailer comes with (4) leveling jacks and vin#

LED Lights: The system contains an LED street light for outdoor illumination. This fixture offers 19,800 lumens with 102 lm/W during use. The 195-watt light comes with the following beam configuration options: 10°, 30°, 60°, 110°, Down Light, Type II, Type III, Type IV, Type V S, Tunnel or Wide Flood. An accessible day/night sensor enables automated functionality, allowing the light to turn on automatically at night and off during the day. Protected by a die cast aluminum housing, the LED unit is IP66 rated. The street light is secured at the top of the mast with a side tenon mount.

LED Technology: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant

illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

PA System: This unit does not have a PA system. We can add a one-way or two-way system upon request and with additional costs.

Router/Wireless 4G Hotspot: The system does not have a router. We can add a router for wireless connectivity at an additional cost.

GPS Tracking: The SPLT-0.6K-LM30-500AL-1XCBR.195-BC is not equipped with GPS tracking. We can add the feature at an additional cost.

LED Strobe: The SPLT-0.6K-LM30-500AL-1XCBR.195-BC does not come with a security LED strobe light. We can add a blue, red or white LED strobe light at an additional cost (combination of colors is also possible).



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Light Tower: This telescoping three stage steel light mast from Larson Electronics is designed to allow operators to quickly and safely deploy one LED light in locations where this equipment must be elevated to heights up to 30` for effective coverage. This light boom can be extended to 30` above the trailer floor for maximum area coverage, and collapsed to 13.5` for applications where a smaller footprint is required. The tower is constructed of square steel tubing with a base section 6.6` in length and 6" by 6" by 3/16" thick, lower section 6.78` in length and 5" by 5" by 3/16" thick, middle section 6.93` in length and 4" by 4" by 1/8" thick, upper section 7.08` in length and 3" by 3" by 1/8" thick, and top section 7.58` in length and 2" by 2" by 1/8" thick. Each section has a 1`+ overlap. The mast is extended to its full height using an included 1,000lb rated hand winch with 3/16" galvanized steel cable.

A 44" wide and 2" by 2" by 1/4" thick mounting plate is attached to the upper section of the mast which provides a strong and stable platform for the equipped LED light fixture. When elevated to its full upright position, the mast can be rotated a full 360°. By loosening the T-Handle, operators can rotate the mast with ease in either direction. The mast can be positioned in one of four different positions, and locked back in place by re-tightening the T-handle. The mast itself spins freely and can typically be rotated with a single hand. The LM series of towers are powder coated for corrosion resistance and aesthetics.

The LM family of telescoping towers feature a proprietary mast guidance system, which

provide increased stability during high winds. Four 1,000 lbs hand crank leveling jacks are used for leveling. The jacks can be leveled by hand crank or attachment provided for power drills. The stabilizers can be extended 2` out from the side of the trailer. When lowered to 13.5`, the mast can withstand winds up to 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.

Solar Panel Assembly: This unit is comprised of two 300-watt solar panels, generating a total maximum output of 0.6 KW. The panels are mounted securely on a sliding assembly. The panels are wired to the solar charger control box which manages the charging system. When in use, the solar panels are angled at 45° to capture the intensity of the sun for optimized light intake.

Battery Charger: This system comes with a battery charger, which can be plugged into a local wall outlet during use, such as prior to deployment or when local power is available at the remote site. We can add a 220V or 240V battery charger to power additional equipment from the solar tower at an additional cost (portable battery chargers are also available).

Inverter: This unit does not come with an inverter. We can add an inverter to power additional equipment from the solar tower at an additional cost.

Component Control Center: All the electrical components are encapsulated in a NEMA 3R job box that is bolted to the trailer. Since most of these components are not rated for high heat, our component cooling system circulates air within the job box at 1400 CFM when the ambient temperature exceeds 90 degrees Fahrenheit. The job box that contains the component control system includes locks for security purposes.

Trailer Assembly: The entire assembly is mounted to a 7.5` by 7`, single axle trailer via six 1/2" anchor bolts. The two wheel trailer is equipped with 3,500 lbs axle and leaf springs with 15" trailer tires. A standard 2" ball coupling, two standard safety chains, and 7-pin flat trailer plug allow for easy hookup and towing. The trailer tongue can be removed for long term deployment. A rugged and waterproof job box is included, safely secured to the trailer. All trailer lighting complies with DOT/FMVSS regulations.

Outriggers vs Leveling Jacks: The solar-powered system features manual-crank leveling jacks. Outriggers help expand the surface area for large equipment or loads. This differs from leveling jacks that are used to stabilize or level systems. Leveling jacks can be mounted to outrigger legs (or the side of the trailer).

Applications: Live events, law enforcement, military, commercial, industrial facilities, remote locations and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs