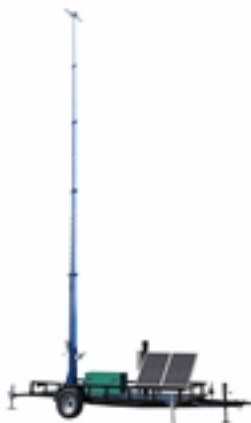


SPLT-0.12K-LM50.5S-150AL-TLR16-BCC-M1

50 Foot Telescoping Solar Megatower™ - 15-50' Light Tower - (2) Solar Panels - 16' Trailer, (4) Outriggers - 85' Coiled Cable

Product ID: 243775

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



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-0.12K-LM50.5S-150AL-TLR16-BCC-M1 50ft Five Stage Telescoping Solar Megatower™

Length: 15 feet - 50 feet

Weight: +-1300 lbs

Capacity: 150 lbs

Materials: Steel

Finish: Powder Coated - Gloss Blue

Operation: (2) 2,500lbs Hand Winches, Electric Optional

Cable: 3/16" Aircraft Cable

Mounting: 1/2" thick, 18" x 18" Six Bolt Hole Bracket

Quick Summary

15 to 50 Foot Light Mast

Steel Construction

Powder Coated Finish

Removable Mast Head

125 mph Wind Resistance

Manual or Optional Electric Operation

Fully Solar

(2) 60W Solar Panels

Solar Specs

Solar Panels: (2) 60W

Solar Charge Controller Amps: 20A

Battery: 12V 150aH Lithium Iron Phosphate

Battery Charger: 110/220V w/ 5-10P Plug and 220V 2-pin Shuko Plug Adapter

Transformer: 10A 12V to 24V

Enclosure Type: Fan Cooled, Ventilated NEMA 3R

Maximum Runtime w/o Sun: 24 Hours @ 60W/24V Continuous Load

Cable: 85' Nycoil Coiled Cable

Protection: Cable Catcher/Guide

Trailer Specs

Materials: Steel

Trailer Dimensions: 16'-L x 6'-W trailer bed

Hitch: 2" Ball Coupler
Wiring: 4-Pin Flat
Axle: 5,400 lbs
Suspension: 5,400 lb 4-Leaf Double Eye Springs
Outriggers: (4) 30" Retractable Outriggers w/ 1,000 lb Manual Crank Leveling Support Jacks and Flat Feet
Wheels: (2) 15" 5x4.5 Steel Rims
Tires: ST205/75/D15 H188
Shipping: Common Freight
Shipping Dimensions: ~16.5'-L x 4'-W x 5'-H
Shipping Weight: +-2000 lbs
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The Larson Electronics SPLT-0.12K-LM50.5S-150AL-TLR16-BCC-M1 Solar Megatower™ provides a safe and effective way for operators to quickly deploy lights, security cameras and other equipment to elevations up to fifty feet. This light tower folds over for easy transportation, features a rotating boom that allows for 360° of rotation, and a removable mast head for storing mounted equipment when not in use. Two solar panels, battery with battery charger and 85' of nycoil coiled cable with cable catchers are available on the system. The entire assembly is mounted onto a 16' single axle trailer with four retractable outriggers and flat feet, allowing operators to transport this fold over boom from location to location.

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

This telescoping solar Megatower™ from Larson Electronics™ is designed to allow operators to quickly and safely deploy lighting, cameras, and other electrical equipment in locations where this equipment must be elevated to heights up to 50 feet for effective coverage. This light boom can be extended to 50 feet for maximum area coverage and collapsed to 15 feet for applications where a footprint smaller is required. The solar tower is constructed of square steel tubing with a base section 11' in length and 6" x 6" by 3/16" thick, lower section 11' in length and 5" x 5" by 3/16" thick, middle section 12' in length and 4" x 4" by 1/8" thick, an upper section 11' in length and 3" x 3" by 1/8" thick, and a top section 13' in length and 2" x 2" by 1/8" thick. Each section has a 15-18" overlap. The mast is elevated using an included 2,500 lbs hand winch with 3/16 inch cable and extended to its full height using a second 2,500 lbs winch.

The SPLT-0.12K-LM50.5S-150AL-TLR16-BCC-M1 is equipped with two, 60-watt solar panels for harvesting sunlight and a 20-amp solar charge controller. Power storage is facilitated by a 12V, 150aH lithium iron phosphate battery. When sunlight is insufficient, operators may replenish the battery using a 110/220V battery charger with a 5-10P plug and 220V 2-pin Shuko adapter. A 10-amp transformer is available, which steps up 12V to 24V and allows operators to power 24V equipment. All system components are housed in a fan cooled, ventilated NEMA 3R enclosure. The solar light mast is capable of operating 24V devices up to 60 watts.

Device Power	Runtime w/o Sun (Continuous Load)
15W	4 days
22.5W	3 days
30W	2 days
45W	2.5 days
60W	1 day

This solar light tower comes with 85' of nycoil coiled cable for powering mounted equipment at the top of the mast from the NEMA 3R control box at the base. The top of the mast (center of the mast head) contains a 4" x 4" NEMA 3R junction box, which can be used to complete power connections between the coiled cable and equipment. The cable is protected by a wire mesh cable holder at the top of the mast to prevent binding when lowered. Cable catchers can be found at the top of the bottom stage, as well as at each additional stage to guide the cable when

extending the tower.



[Click Image to Enlarge](#)



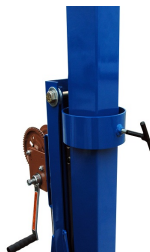
[Click Image to Enlarge](#)



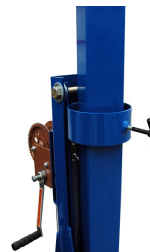
[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

The LM series of towers are powder coated with glossy blue finish for corrosion resistances and aesthetics. These light masts are typically mounted to trailers or other stable surfaces via an 18" x 18", 3/8" thick mounting base-plate which has been drilled to accept six 1/2 inch anchor bolts. A 44" wide and 1/8" thick mounting T head is attached to the upper section of the mast which provides a strong and stable platform for fixtures.

The LM family of telescoping Megatower™ a proprietary mast guidance system, which provide increased stability during high winds. When lowered to 14 feet, the mast can withstand winds up to 125 mph. When elevated to its full upright position, the mast can be rotated a full 360°, regardless of the extended height of the mast. By loosening the T-Handle, operators can rotate the mast with easy in either direction. The mast can be positioned in one of four different directions, and locked back in place by re-tightening the T-handle. The mast itself spins freely with easy, and can typically be rotated with a single hand.

A total of four, 30" retractable outriggers with 1,000-lb support jacks and flat feet are available on this unit. During deployment, the outriggers create a wider footprint for the base of the trailer and aids leveling for stable operation. The outriggers also ensure stability, when exposed to high wind loads in order to prevent the tower from tipping over.

This light tower weighs approximately 1300 lbs, can easily support and lift 150 lbs of fixtures and/or equipment. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 16.5 feet long, 4 feet

wide, 5 feet tall and weighs approximately 2000 lbs. Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. We also offer a choice of either the manual 2,500 lbs hand winches included standard or optional electric winches.

Suggested Applications: Temporary lighting, construction sites, and security camera deployment. We can equip this mast with 1000W or 1500W Metal Halide lights or a wide variety of high powered LED lights with comparable power, including the [LED10WSA-160](#), [LEDLB-200X2E](#), [LEDLB-160X2E](#) or [LEDLB-80x2E](#).

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.

Frequently Asked Questions (FAQ)

SPLT-0.12K-LM50.5S-150AL-TLR16-BCC-M1

Product ID: 243775

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [HigResPic1](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)