Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

**RNT-SPLT-.6K-LM21-RB-4X150AH-4X10L-CPR**

# *RENT* 21.3' Solar LED Light Tower - (2) 300W Panels - 4 LED Lamps - 4 150aH Batt. - Rotating Mast

**Product ID: 150169**

**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.**

**RNT-SPLT-.6K-LM21-RB-4X150AH-4X10L-CPR Solar Light Mast**

**Light Mast Specs**
**Tower Length: 21.3`**
**Materials:** 6063 Aluminum Alloy, Steel Canopy
**Finish:** Anodized Finish
**Operation:** Manual System
**Mast Type:** Round
**Stages:** 4

**Solar Panel/Battery Specs**

**Panels:** (2) 300 Watt panels

**Method of Deployment:** 360-degree, Rotating Mast

**System Voltage:** 24V DC

**Battery Bank:** (4) 12V 150aH batteries

**Battery Capacity:** 600aH Total / 300aH Usable

**Charge Time:** 11 Hours
**Runtime:** 26 Hours
**Expected Lifespan:** 5-7 Years

**Controller Specs**
**Unit Type:** Morningstar PS-30
**Battery Voltage:** 24V DC
**Max. PV Open-Current/Voltage:** 30A/60V

**Quick Summary**
21.3` Solar Light Mast
Aluminum Construction
Fully Solar, No Fuel Needed
(4) 1,000lb Outriggers
40 Mph Wind Resistance
Removable Hitch Tongue
(2) 300W Solar Panels
360-degree, Rotating Mast

**Protection:** Low Voltage/High Voltage
**Max. Battery Charging Current:** 30A

**LED Light Specs**
**Unit Type:** LED - (4) LED Fixtures
**Dimensions:** 10.75"-L 4"-H x 3.5"-D
**Voltage:** 24V DC
**Watts:** 200W (50W per Lamp)
**Lumens:** 7,000 (1,750 lm per Lamp)
**Efficiency:** 130 lm/w
**LED Life Expectancy:** 50,000+ Hours
**Color Temperature:** 5,000K
**Lighting Configuration:** Flood
**CRI:** >70
**Operating Temp Range:** -22°F ~+122°F
**Materials:** 6063 Aluminum Alloy
**Insulation:** Class I

**Trailer Specs**
**Type:** Single Axle

**Trailer Dimensions:** 11` 9.75" x 11.25" x 8` 2"

**Drawbar:** Complies w/ US DOT Standards

**Outriggers:** (4) Manual Leveling Jacks

**Tires/Rim Size:** 185R/14C
**Weight:** +-600 lbs

**Shipping:** Common Freight
**Shipping Dimensions:** -

**Shipping Weight:** +-600 lbs

**Options:** Length- Mounting-Fixtures/ Call Us for Special Requirements
**Rentals: Please contact Larson Electronics LLC for rental rates. Monthly maintenance fees apply for servicing this rental while in the field.**

**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

## This unit is for rentals

**The Larson Electronics RNT-SPLT-.6K-LM21-RB-4X150AH-4X10L-CPR Solar LED Light Tower offers wide-area illumination in outdoor locations from elevated positions up to 21.3`. This unit features two, 300-watt solar panels, four 50-watt LED fixtures for illumination, four 150aH gel batteries (300aH capacity) and a solar controller. The entire assembly is secured on a single-axle trailer. Constructed of aluminum alloy, the solar light mast provides a runtime of 26 hours per full charge. Operators can position tower in various positions, via the rotating mast.**

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

This solar LED light tower is a portable, powerful lighting solution for outdoor locations. The unit is equipped with two 300-watt solar panels, four 50-watt LED fixtures, four 150aH gel batteries, Morningstar PS-30 controller and a sturdy junction box. All components are mounted on a single-axle trailer. The rotating light mast extends up to 21.3 feet.

**LED Fixtures:** The RNT-SPLT-.6K-LM21-RB-4X150AH-4X10L-CPR features four, 50-watt LED fixtures for illumination. The LED units operate on 24V DC and provide 7,000 lumens of white light (1,750 lumens per lamp) with a color temperature rating of 5,000K. Constructed of die-cast aluminum, the LED fixtures are suitable for wide-area illumination in outdoor locations.

**LED Benefits:** Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. 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 is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or

mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

**Light Mast:** This telescoping four-stage aluminum light mast from Larson Electronics is designed to allow operators to quickly and safely deploy a reliable lighting system in locations where it must be elevated to heights up to 21.3` for effective coverage. The tower is constructed of round aluminum alloy tubing. The mast is extended to its full height using a manual lifting system. Junction boxes are mounted at the top of the first stage and at the very top of the mast for equipment setup, connection, and deployment.

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 with ease, and can typically be rotated with a single hand.

**Solar Panels/Batteries:** This unit is comprised of two 300-watt solar panels, with a 30-degree tilt for optimized sunlight exposure. The panels are wired to the solar charger control box which manages the charging system. A 24V DC Morningstar PS-30 controller, with a maximum PV open current/voltage protection of 30A/60V, manages power storage and allocation between the solar panels and batteries. The RNT-SPLT-.6K-LM21-RB-4X150AH-4X10L-CPR features a total of four, 150aH gel deep cycle lead-acid batteries to store power. The power cells come with 300aH usable capacity and an expected lifespan range of 5-7 years.

**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 measures 11` 9.75" x 11.25" x 8` 2" and is secured on a single-axle trailer with 185R/14C tires/rims. The trailer tongue can be removed for long-term deployment. A rugged and waterproof job box is included, safely secured to the trailer. Four outriggers mounted to the corners of the trailer allow operators to level the trailer, and provide stabilization during deployment. All trailer lighting complies with US DOT regulations.

**Applications:** Security, monitoring, live events, concerts, law enforcement, military, commercial, industrial facilities, outdoor surveillance, outdoor illumination, 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)



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**Product ID: 150169**

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**RNT-SPLT-.6K-LM21-RB-4X150AH-4X10L-CPR-Rental Length**

**Example: RNT-SPLT-.6K-LM21-RB-4X150AH-4X10L-CPR-MR**

| Rental Length | |
|---|---|
| MONTHLY | -MR |
| WEEKLY | -WR |
| DAILY | -DR |

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**