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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Product ID: 50293

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



Image:

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.

LED10W-1X2LT Portable LED Light Tower

Type: Battery-Operated Portable LED Light Tower
Base Dimensions: 26"H x 17"W x 8"D Tower: 8` Max Height
Light Head Dimensions: 2"W x 2.5"D x 3.2"H
Total Weight: 50 lbs
Battery: AGM Lead Acid, 12VDC, 35 amp hr, 500 Cycles
Power: 12V DC
Charging: 110-240VAC, 50/60Hz, 3A Internal Charge System & Cord
Recharge Time: 24 Hours (From Full Discharge)
Lamps: (2) 10W LED, IP68 Rated
Total Lamp Watts: 20
Total Lumens: 1,800 (900 Per Lamp)
Luminous Efficacy: 90 Lm/W
LED Light Color: 6000K
LED Life Expectancy: 50,000 hours
LED Drive %: 80%
Optics Efficiency: 90%
Lighting Configuration: 10° Spot or 35° Flood
Spot Beam: 225`L x 25`W (Per Lamp)
Flood Beam: 45`L x 40`W (Per Lamp)
Light Runtime: 20+ Hours
Ambient Operating Temp Range: -40°C to +60°C
Mounting: Portable Tower - 8` Max Height
Tower Material: Aluminum

Ratings/Approvals

NCHRP Report 476 Section 2.5.2 Compliant
MUTCD, Section 6E, 6F and 6G
IP68 Rated Light Heads
Ambient Op Temp -40°C to +60°C

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Light Head Materials: Aluminum Housing, Polycarbonate Lens

E-mail: sales@larsonelectronics.com

Made in the USA

The LED10W-1X2LT LED light tower is a fully portable and rechargeable unit and produces a wide flood of light ideal for use on construction sites and emergency scenes. This light tower offers a long list of features including versatile power and recharging options and provides a highly portable lighting solution that is ideal for use as flagger illumination, utility lighting, underground illumination, and anywhere a versatile, lightweight, rechargeable LED light tower is needed.

The LED10W-1X2LT LED light tower is a self contained and portable light tower package that offers high power and extreme portability in a compact and durable design. This unit produces 1,800 total lumens that can cover an area spanning 225 feet long by 50 feet wide depending on the positioning of the dual LED light heads. This LED light tower includes two 10 watt LED lights mounted to a telescoping aluminum mast that can be adjusted to 8 feet in total height. The entire package weighs approximately 50 pounds and measures 26" high x 17" wide x 8" deep, making it very easy to stow and deploy. Independent on/off switches for each light head for increased versatility.

This unit weighs only ~50 lbs and includes a built in handle for easy transport around the deployment area. There are no loose parts and all connections are already secure with no need for addtional wiring. When fully deployed, this unit will withstand high winds and can be extended to a total of 8 feet in tower height for optimal illumination of the target area. A built-in amber flashing beacon ensures the unit is visible to passing vehicles and workers even in poor visibility conditions.

LED Lights: The LED10W-1X2LT is equipped with two Larson Electronics` LED10W-1S LED lights for high-intensity illumination in a wide variety of settings. Each LED10W-1S LED light from Larson Electronics produces 900 lumens of bright light while drawing only 10 watts @ .8 amp from a 12 volt electrical system. A single Seoul Z-Power® 10 watt LED producing 900 lumens is combined with high purity optics to produce a 10 degree spread spot beam approximately 225` long by 45` in width. We also offer floodlight versions with a 35 degree beam spread to provide more light over a larger area nearer the fixture, making flood versions ideal for use as work lights. This particular unit is ultra compact at only 2 inches wide by 3.2 inches tall, by 2.5 inches deep These LED light heads can run for 20+ hours on a single charge of the internal batteries in the base of this LED light tower.

The LED10W series LED lights are waterproof to 3 meters, sealed against intrusion by dust and dirt and very ruggedly constructed to withstand the most demanding environments, conditions and applications. A small profile, low power requirements, high durability and versatile mounting makes these LED lights ideal for a wide array of applications including but not limited to: flaggers, first responders, disaster relief and emergency services.

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.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Seoul Z-Power® Emitters. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.

Voltage Control: These units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LED10W series LED lights can operate on current ranging from 9 to 50VDC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and standalone applications such as those found on commercial boats, heavy equipment and vehicles where power systems don’t always operate with 12 volts and external generators, transformers or inverters are impractical.

Durability: The LED10W series of LED light bars from Larson Electronics also offer IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand frigid temperatures, are waterproof to three meters and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,000 hours of use.

Adjustability: The two included light heads offer operators substantial angle adjustability so that the light produced can be pointed with precision to properly illuminate the work area or job site as required. Operators simply loosen the appropriate bolt for either vertical or horizontal adjustment, position the light heads in the ideal position and then re-tighten the bolts once the lights are at the desired angle.

Power: AGM sealed lead acid battery, 35 amp hour 12 VDC deep cycle with included charging unit. The battery is rated for 500 charge cycles and has a 24 hour recharge duration after a complete battery discharge. This unit offers various power options, including an internal battery pack and use as an external battery pack with an included special plug. An included AC charger (wall charger) allows operators to easily recharge the battery from normal wall outlets. This portable tower also accepts low voltage input from vehicles and other battery packs to power the light or charge the battery. A DC port (cigarette plug socket) allows users to power other DC devices, in effect allowing this unit to double as a portable 12VDC power supply. Push-to-test volt meter built in to front panel for monitoring battery charge conditions. The LED10W-1X2LT also features clamp style jumper cables that can be used to jump

vehicles or charge the unit`s internal battery.

Telescoping Tower: The aluminum telescoping tower on this unit is comprised of five sections and extends and locks into place much the same as a camera tripod. The user simply loosens the locking clamps on the telescoping tower, extends it to the desired height, and then retightens the clamps to lock it into position. The user can extend the tower to 8 feet in total height. Additional tower stability is provided by collapsible stainless steel legs that provide an 18 inch tripod support base when deployed. Stable surfaces and/or normal conditions do not require the extendible base. When the tower is completely collapsed, this unit has a storage height of approximately 27" with the light bars still attached and 24" with the light bars removed for storage or transportation.

Case: The simple case on this unit contains all the operating equipment and is designed with a built in carrying handle for easy transport. The user simply collapses the tripod and support legs, locks them into place, and the unit is then ready for stowing or transport. A simple push to test meter on the front of the case provides fast charge level notification. The entire package measures 26" high x 17" wide x 8" deep.

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.

High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MH.
5. Retains 70% lumen output after 50,000 operating hours.
6. Powder coated aluminum fixture body.
7. Telescoping tower mount included
8. Low profile - Light weight
9. 1,800 Lumen output from 20 watts

Superior LED Benefits

1. 50,000+ hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image:

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Product ID: 50293

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

-Beam Pattern
Example: -SP

Beam Pattern	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/50293.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/50293.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/50293.JPG)
- **Video1**(https://www.youtube.com/watch?v=mzHBrZL6nXA)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)