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LED10W-1X4LT-INTL

Portable LED Light Tower w/ Telescoping Light Heads - 4, 10-Watt LEDs - Rechargeable Battery Powered

Product ID: 274265



Image: LED10W-1X4LT-INTL

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-1X4LT-INTL Portable LED Light Tower
Power: 12VDC
Battery: AGM Lead Acid, 12VDC, 33 amp hr, 500 Cycles
Lamps: 4- 10 watt LEDs, IP68 Rated
Total Lamp Watts: 40 watts
Tower: Adjustable Aluminum 8 Feet Total Height
Case: Built in Handle with Fold Away Supports
Dimensions: 24”-H 13.5”-W 6.5”-D Weight-35lbs
Total Lumens: 3200
Charging: 230V AC Charger w/ Schulo Plug
Ratings: FAA, DOT, CAB, IA, TA Approved Air Transport
Mounting: Portable Tower
Run Time: Up To 10 Hours on Single Charge

Certification
FAA, DOT, CAB, IA, TA
NCHRP Report 476 Section 2.5.2
MUTCD Section 6E

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

Made in the USA

The LED10W-1X4LT-INTL 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-1X4LT-INTL 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 3200 lumens that covers an area 150 feet long and 150 feet wide and can run for up to 10 hours on a single full charge of its onboard batteries. Optional spotlight configurations produce a light beam reaching up to 675 feet in length. This LED light tower includes four 10 watt LED lights mounted to a telescoping aluminum mast that can be adjusted to 8 feet in total height. The entire package measures 24” high x 13.5” wide x 6.5” deep, making it very easy to stow and deploy.

This unit weighs only 35 lbs and includes a built in handle easy transport around the deployment area. There are no loose parts and all connections are already secured with no need for additional 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.



Click Photo to Enlarge

The LED10W-1X4LT-INTL portable light tower incorporates impressive features including:

Power: AGM sealed lead acid battery, 33 amp hour 12 VDC deep cycle with included charging unit. 500+ charge cycles or 300+ full discharge cycles or 3-5 year life cycle. 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 (230V wall charger with 2-pin Schuko plug) 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.

LED Light Bars: This tower includes four 10 watt LED light heads producing a total of 3200 lumens These LED lights are IP68 rated waterproof to three meters and constructed of extruded aluminum with polycarbonate lenses for the ultimate in durability. The LED assembly is mounted to the tower via adjustable mounts which allow operators to adjust the angle and placement of the light heads in any direction. A single retractable cord provides power from the

battery to the LED light head. Other configurations are available for higher powered spot and flood beams. For example, this LED light can be configured with our LED10W-6R for 5.5 hours run time and 4800 lumens, while covering an area 400 feet long and 350 feet wide in flood mode (additional costs apply). Contact sales@larsonelectronics.com for special ordering options.

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 polyethylene legs that provide a 30 inch support base when deployed. Stable surfaces and/or normal conditions do not require the extendible base.

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 24” high x 13.5” wide x 6.5” deep.

Additional Features:

Optional Spot Beam Optics Angle: 10 degrees (create a narrower, longer, distance oriented beam)
Standard Flood Beam Optics Angle: 35 degrees (creates a shorter, wider, diffused beam)

ONCHRP Report 476 Section 2.5.2 and MUTCD Section 6E compliant for illumination, visibility and temporary lighting. This light meets the requirements for nighttime traffic control for highway maintenance and construction for flaggers.

Option to order unit with infrared LED light heads in the 850 or 940NM ranges.
FAA, DOT, CAB, IA, and TA approved for air transport.

Superior LED Benefits

1. 50,000+ hour lifespan.
2. Cool operation.
3. 100% recyclable.
4. No toxins-lead, mercury.
5. No UV light, infrared radiation or CO2 emissions.
6. Bright, even light maintains consistent color over time.
7. Instant on/off – No flickering, delays or buzzing.
8. No lenses or filters to reduce output.

9. Vibration/impact resistant.
10. Compact size.
11. Less frequent outages, higher output.

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MSDS for SLA Batteries

SECTION 1: PRODUCT NAME

Valve regulated lead-acid batteries.

SECTION 2: HAZARDOUS COMPONENTS

COMPONENTS	%WEIGHT	TLV	LD50 ORAL	LC50 INHALATION	LC50 CONTACT
Lead (Pb, PbO, PbSO) 24	About 70%	N/A	(500) mg/Kg	N/A	N/A
Sulfuric Acid	About 20%	1 mg/m^3	(2.140) mg/Kg	N/A	N/A
Fiberglass Separator	About 5%	N/A	N/A	N/A	N/A
ABS or PP	About 5%	N/A	N/A	N/A	N/A

SECTION 3: PHYSICAL DATA

COMPONENTS	DENSITY	MELTING POINT	SOLLUBILITY (H2O)	ODOR	APPEARANCE
Lead	11.34	327.4°C (Boiling)	None	None	Silver-Grey Metal
Lead Sulfate	6.2	1070°C (Boiling)	40 mg/L(15°C)	None	White Powder
Lead Dioxide	9.4	290°C (Boiling)	None	None	Brown Powder
Sulfuric Acid	About 1.3	About114°C (Boiling)	100%	Acidic	Clear Colorless Liquid
Fiberglass Sep.	N/A	N/A	Slight	Toxic	White Fibrous Glass
ABS or PP	N/A	N/A	None	No Odor	Solid

SECTION 4: PROTECTION

EXPOSURE	PROTECTION	COMMENTS
SKIN	Rubber gloves, Apron, Safety shoes	Protective equipment must be worn if battery is cracked or otherwise damaged.
RESPIRATORY	Respirator (for lead)	A respirator should be worn during reclaimation operations if the TLV is exceeded.
EYES	Safety goggles, Face Shield	

SECTION 5: FLAMMABILITY DATA

COMPONENTS	FLASHPOINT	EXPLOSIVE LIMITS	COMMENTS
Lead	None	None	
Sulfuric Acid	None	None	
Hydrogen	259?	4% - 74.2%	Batteries can emit hydrogen only if over charged (float voltage> 2.4 VPC). The gas enters the air through the vent caps. To avoid the chance of a fire or explosion, keep sparks and other sources of ignition away from the battery. Extinguishing Media: Dry chemical, foam, CO_2.
Fiberglass Sep.	N/A	N/A	Toxic vapors may be released. In case of fire: wear self-contained breathing apparatus.
478 Polystyrene	None	N/A	Temperatures over 300 °C (572°F) may release combustible gases. In case of fire: wear positive pressure self-contained breathing apparatus.

SECTION 6: REACTIVITY DATA

COMPONENT	Lead/lead compounds
STABILITY	Stable
INCOMPATIBILITY	Potassium, carbides, sulfides, peroxides, phosphorus, sulfurs.
DECOMPOSITION PRODUCTS	Oxides of lead and sulfur.
CONDITIONS TO AVOID	High temperature, Sparks and other sources of ignition
COMPONENT	Sulfuric Acid
STABILITY	Stable at all temperatures
POLYMERIZATION	Will not polymerize
INCOMPATIBILITY	Reactive metals, strong bases, most organic compounds
DECOMPOSITION PRODUCTS	Sulfuric dioxide, trioxide, hydrogen sulfide, hydrogen
CONDITIONS TO AVOID	Prohibit smoking, sparks, etc. from battery charging area. Avoid mixing acid with other chemicals.

SECTION 7: CONTROL MEASURES

1. Store lead-acid batteries with adequate ventilation. Room ventilation is required for batteries utilized for standby power generation. Never recharge batteries in an unventilated, enclosed space.

2. Do not remove vent caps. Follow shipping and handling instructions that are applicable to the battery type. To avoid damage to terminals and seals, do not double-stack industrial batteries.

STEPS TO TAKE IN CASE OF LEAKS OR SPILLS

If sulfuric acid is spilled from a battery, neutralize the acid with sodium bicarbonate (baking soda), sodium carbon (soda ash), or calcium oxide (lime).
Flush the area with water. Do not allow unneutralized acid into the sewage system.

WASTE DISPOSAL METHOD:

Neutralized acid may be flushed down the sewer. Spent batteries must be treated as hazardous waste and disposed of according to local state, and federal regulations. A copy of this material safety data must be supplied to any scrap dealer or secondary smelter with battery.

ELECTRICAL SAFETY

Due to the battery's low internal resistance and high power density; high levels of current can be developed across the battery terminals. Do not rest tools or cables on the battery. Use insulated tools only.
Follow all installation instruction and diagrams when installing or maintaining battery systems.

SECTION 8: HEALTH HAZARD DATA

LEAD: The toxic effects of lead are cumulative and slow to appear. It affects the kidneys, reproductive, and central nervous system. The symptoms of lead overexposure are anemia, vomiting, headache, stomach pain (lead colic), dizziness, loss of appetite, and muscle and joint pain. Exposure to lead from a battery most often occurs during lead reclaim operations through the breathing or ingestion of lead dusts and fumes.

THIS DATA MUST BE PASSED TO ANY SCRAP OR SMELTER WHEN A BATTERY IS RESOLD.

SULFURIC ACID: Sulfuric acid is a strong corrosive. Contact with acid can cause severe burns on the skin and in the eyes. Ingestion of sulfuric acid will cause GI tract burns. Acid can be released if the battery case is damaged or if the vents are tampered with.

FIBERGLASS SEPARATOR: Fibrous glass is an irritant of the upper respiratory tract, skin and eyes. For exposure up to 10F/CC use MSA Comfort with type H filter. Above 10F/CC up to 50F/CC use Ultra-Twin with type H filter.
NTP or OSHA does not consider this product carcinogenic.

SECTION 9: SULFURIC ACID PRECAUTIONS

INHALATION: Acid mist may cause respiratory irritation. Remove any individual from exposure, and apply oxygen if breathing is difficult.

SKIN CONTACT: Acid may cause irritation, burns or ulceration. Flush with plenty of soap and water, remove contaminated clothing, and see physician if contact area is large or if blisters form.

EYE CONTACT: Acid may cause severe irritation, burns, cornea damage and blindness. Call physician immediately and flush with water until physician arrives.

INGESTION: Acid may cause irritation of mouth, throat, esophagus and stomach. Call physician. If patient is conscious, flush mouth with water, have the patient drink milk or sodium bicarbonate solution.

DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON.

SECTION 10: TRANSPORTATION REGULATIONS

We hereby certify that all Larson Electronics Valve Regulated Lead-acid Rechargeable batteries conform to the UN2800 classification as "Batteries, wet, Non-Spillable, and electric storage" as a result of passing the Vibration and Pressure Differential Test described in D.O.T., 49 CFR 173.159(d), and IMO/IMDG, and ICAO/IATA packing instruction 872 and note A67.
Batteries having met the related conditions are EXEMPT from hazardous goods regulations for the purpose of transportation by DOT, and IATA/ICAO, and therefore are unrestricted for transportation by any means. For all modes of transportation, each battery outer package is labeled "NON-SPILLABLE". All our Batteries are marked non-spillable.

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Frequently Asked Questions (FAQ)

There are no Faqs