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WAL-PML2-4X160LED-3G

640 Watt Pneumatic Light Tower Cart w/ 4000VA Generator - 12 Hour Runtime - Four 160 Watt LED Lights - (4) Corner Pickeyes

Product ID: 265079

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.

WAL-PML2-4X160LED-3G Mini LED Light Tower with 3000VA Generator

Lamp Specs: (4) LED Light Heads - CREE XL-L2®
Total Lumens: 58,892
Total Watts: 640 watts
Lighting Configuration: Wide Flood Pattern
Mounting: Adjustable 8 to 20 Foot Wheeled Tower
Voltage: 120-277 V AC, 50/60 Hz
Generator Specs: 3500W (4400W peak) - 7HP OHV air cooled engine
Fuel: Gasoline
Tank Capacity: 4 gallons
Outlets: (2) 20A 120V, (1) 120/240V Twistlock, (1) 12V DC Post
Starting Method: Electric/Manual
Run Time: 8 hours @ 50% load
Noise Level: 69db
Tower/Cart Specs: 3-Wheel Portable Cart w/ 4-Point Outriggers & (4) Corner Pickeyes
Materials: Powder Coated Steel Tower Assembly
Shipping: (1) 96" x 40" x 40" @ 300 lbs + (1) 55" x 44" x 32" @ 125 lbs

Quick Summary

(4) 160 Watt LED Lamps
58,892 Lumens
Powder Coated Steel Construction
Stand Alone Generator Operation
Wheeled Base
(4) Corner Pickeyes for Crane Lifting

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The WAL-PML2-4X160LED-3G Pneumatic Light Tower with 4000VA Generator from Larson Electronics is an ideal solution for operators who

need a fully portable yet easy to operate light system capable of illuminating large areas. Adjustable from 8 to 20 feet in height and equipped with a 4000VA generator and four 160 watt LED light heads, this unit will provide over 58,892 lumens of illumination for up to 12 hours on a single tank of fuel. This portable mini light tower folds over and the light heads can be removed for storage and transportation, and features a wheeled base for easy movement within the job-site.

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

The WAL-PML2-4X160LED-3G Mini light tower is a portable lighting system designed for stand alone operation and high mobility while providing enough output to illuminate approximately 1 acre of area effectively. Equipped with a heavy duty pneumatic mast, 4000 KVA generator and four 160 watt LED light heads, this mini tower provides operators with an easily deployed lighting system that can provide large scale illumination for up to 12 hours on a single tank of gas.

Click Images to Enlarge

Tower & Cart: The WAL-PML2-4X160LED-3G pneumatic light tower features an extendable tower assembly that can be adjusted from 8 to 20 feet in height for maximum coverage. Pneumatic operation eliminates the need for a hand crank, allowing operators to easily raise or lower the tower as needed. A removable lamp mounting platform allows removal of the lamp assembly for easier transport and storage. The tower is constructed of heavy gauge steel for durability, and a tough powder coat finish provides protection against rust and corrosion. The base of the tower is fitted with two solid wheels to allow easy positioning with the wheeled handle. The handle assembly consists of a ball hitch that is inserted and locked into the receiver hitch on the cart platform. Operators tilt the handle back to lift the front legs of the tower, move the assembly into position, then raise the handle to lower the cart. The cart of the WAL-PML2-4X160LED-3G is equipped with a pickeye in each corner for a total of four. The four pickeyes allow the unit to be picked up and moved via crane.

Click Photo to Enlarge

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Lights: This tower is fitted with four 160 watt LED light heads producing a combined total of approximately 58,892 lumens in a 40° flood pattern. The LED light heads offer IP69K rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40°C to 80°C, 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 CREE XL-L2® LEDs help these units achieve 15.6Grms rated resistance to vibrations and are rated at 70% lumen maintenance after 50,0000 hours of use. We recommend these LED lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.

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.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width

modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED's core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 90% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

Lamp Protection: These high output LED light bars feature soft start technology, allowing the LEDs to gradually increase to maximum intensity instead. Low in rush current at start-up reduces wear on associated components, increasing overall life of the internal electronics and improves downtime. Built in redundancy lessens chance of full fixture failure, while the reverse polarity operation protects the fixture from shorting the internal components. As well as unparalleled heat control, the LED10WSA series of LED lights from Larson Electronics also offer IP69K rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40°C to +80°C, are waterproof to three meters, can withstand high pressure and high temperature wash downs, and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The CREE XM-L2® LEDs help these units achieve up to 60Grms rated resistance to vibrations and are rated at 70% lumen maintenance after 50,0000 hours of use. We recommend these LED lights for use in applications that require regular intensive cleaning and are exposed to a lot of vibration, dust, dirt, and abusive working conditions are encountered.

Click Photo to Enlarge

Generator: A single 4000 VA generator is mounted to the base of this tower to provide standalone power for the LED lights and allows for quiet operation and 12 or more hours of run time on a single tank of fuel. This generator also includes standard 120 and 240 volt outlets for accessory attachments, allowing operators to run tools and other equipment while also operating the lights. Larson Electronics is a manufacturer and as such offers a variety of custom options including different lamp wattages and types.

Please contact sales@larsonelectronics.com or call 1-800-369-6671 for custom options.

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: 265079

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**