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WCDE-6K-4X240W-LED-220.240V-GRN

30' Mobile Light Tower with Diesel Engine Generator - (4) 240W LED Lamps - 6kW Genset/26.4 Gal Poly Fuel Tank, 220, 240V 50/60 Hz - Green

Product ID: 320989

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



Image: WCDE-6K-4X240W-LED-220.240V-GRN

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.

WCDE-6K-4X240W-LED-220.240V-GRN Mobile Light Tower

Genset Specs:

Engine: Yanmar Water Cooled
Engine Speed: -
No. of Cylinders: (3)
Injection: Direct
Fuel Type: Diesel
Fuel Cell Capacity: 26.4 Gallon Poly Fuel Tank
Fuel Consumption: 0.69 Gal/H @ 100% Load, 0.27 Gal/H @ Lights Only
Runtime, Full Tank Lights On: 95 Hours
Alternator: 5 KVA - 220V 50 Hz, 2 KVA - 240V - 60 Hz
Prime Power: 6.4 kW
Engine Battery: 12V, 66 Ah
Starter Motor: 1.1 kW
Voltage: 220V 50 Hz and 240V 60 Hz
Circuit Breaker: 3P, Including Earth
Receptacles: (1) 10A 220V 50 Hz, (1) 10A 240V 60 Hz
Noise Level: 68 dBA @ 23'

Light Mast Specs:

Mast Type: Telescoping, Fold Over

Ratings/Features

Made in the USA
Buy American Compliant
TAA Compliant
14'-30' Light Mast
26.4 Gallon Poly Fuel Tank
External Grounding
Leveling Jacks
UV Resistant Steel Enclosure
125 mph Wind Resistance
EPA Final Tier 4 Compliant Generator
(4) 240W LED Lamps
Lifting Eye and Fork Pockets

Boom Height: 14' to 30'
Materials: Steel
Operation: (2) 1,000lbs Hand Winches, Electric Optional
Cable: 3/16 Aircraft Cable
Stages: -

LED Light Specs:
Lamp Qty: (4)
Lamp Type: LED
Total Watts: 960W
Single-lamp Watts: 240W
Total Lumens: 139,200 lms
Single-lamp Lumens: 34,800 lms
Luminous Efficacy: 145 Lm/w
LED Life Expectancy: 50,000+ hours
Color Temp: -
Beam Angle: Flood
Coverage @ 0.5 ft-c: 19,500 sqft2 (Minimum)
Sensor: Dusk-to-Dawn
Controls: 7-day Scheduling
Lamp Housing Material: Aluminum, Polymer
Mount: Adjustable Brackets/Tower Mount
LED Lamp IP Rating: IP68- LED Modules, IP65- Drivers

Trailer Specs:
Materials: Steel Enclosure - UV Resistant
Hitch: 2" Ball Hitch
Finish: Powder Coated Khaki Green - STN 5450/RAL 6003
Axle: (1) 2,200 lbs
Suspension: 2,000 lbs Double Eye Leaf Springs
Leveling Jacks: (3) 1,200 lbs Tube and Sleeve Leveling Jacks
Lighting: DOT Approved tail, side, brake, and directional lights
Wheels: (2)
Tires: ST175/80D13

Total Dimensions: 70"T x 160"L x 60"W
Total Weight: 2,200 Lbs

Special Orders - Special Requirements
Contact us for special requirements
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Made in Texas

The WCDE-6K-4X240W-LED-220.240V-GRN Mobile Light Tower from Larson Electronics is a towable LED lighting package powered by a diesel generator. Equipped with four LED lamps offering 34800 lumens per unit, the telescoping fold-over light tower extends to a maximum height of 30 feet and can be collapsed to 14 feet. All system components are secured to a heavy-duty trailer. This TAA compliant product is made in the USA.

The WCDE-6K-4X240W-LED-220.240V-GRN mobile light tower is a reliable solution for deploying equipment in outdoor, remote locations. This unit is supported by a diesel generator, which supplies the current to four LED lights secured at the top of the tower. The light mast system can provide hours of continuous operation, at a maximum height of 30 feet. This mobile package comes with automated dusk-to-dawn sensor and 7-day scheduler operation.

An included generator equipped with a water-cooled motor provides power for the four LED lights and equipment. A 26.4 gallon poly fuel tank allows the engine to operate continuously for extended periods of time without refueling. The generator is a brushless design and produces 220V 60 Hz and 240V 60 Hz.

LED Light Fixtures: This portable light tower is equipped with four, 240-watt LED lamps. Each LED light offers 34800 lumens of output during use. The lighting system covers 19,500 square ft at 0.5 ft-c. Sensors provide automated dusk-to-dawn operation. A 7-day scheduler is available for configuring timed settings. Equipped with fixture-mounted drivers, the IP68 rated LED lights (IP65 rated drivers) are protected by an aluminum and polymer housing.

LED Technology: 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.

Telescoping Boom: The telescoping, fold over steel light mast is designed to allow operators to quickly and safely deploy four LED lights in locations where this equipment must be elevated to heights up to 30 feet for effective coverage. This light boom can be extended to 30 feet for maximum area coverage and collapsed to 14 feet for applications where a smaller footprint is required. The tower is constructed of square steel tubing. The mast is elevated using an included 1,000 lbs. hand winch with 3/16 inch cable and extended to its full height using a second 1,000 lbs. winch.

A 44" wide and 2" by 2" by 1/4" thick mounting plate is attached to the upper section of the mast which provides a strong and stable platform for the LED lights.

The LM family of telescoping towers feature 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°. 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 ease, and can typically be rotated with a single hand.

Housing: All of the operating components are housed within a protective compartment constructed of UV resistant steel and provides airflow for cooling. The design and construction of this enclosure helps this unit operate at a low noise level.

Trailer: The system is mounted onto a two-wheel trailer with DOT-approved LED tail, side, brake and directional lights. A standard two-inch ball coupling and two standard safety chains allow for easy hookup and towing. Three 1,200 lbs tube and sleeve leveling jacks are available for stable deployment. Lifting eye and fork pockets are available on this system.

Applications: This portable LED light tower is suitable for use in remote locations, such as temporary camps, construction sites, military bases and areas without reliable access to the grid. It can be utilized to power a wide range of tools and equipment.

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.

Summary of Specifications:

Flood Lights

• (4) 240-watt diffused LED Fixtures

• 34800 lumens per LED lamp

• 139200 total lumens

• Efficiency: 145 lumens per watt (LPW)

• Coverage @ 0.5 ft-c: over 19,500 ft2

• IP68 LED modules; IP65 rated drivers

• Aluminum and polymer housing

• Fixture-mounted drivers

• Automated dusk-to-dawn sensor

• 7-day scheduler operation

Light Mast

• 14' to 30' telescoping, fold over light mast

• Manual winch operation

• Powder coated steel

Generator

• 6.4 kW diesel generator

• 26.4 gallon poly fuel tank

• 220V 50 Hz and 240V 60 Hz, 1PH

Trailer

• UV resistant steel enclosure with STN 5450/RAL 6003 powder coated finish

• Single-axle trailer

- 2" ball hitch
- (3) 1,200 lbs tube and sleeve leveling jacks
- Lifting eye and fork pockets
- Tires: ST175/80D13
- DOT approved LED tail, side, brake, and directional lights

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Frequently Asked Questions (FAQ)

There are no Faqs

Export Control Classification Number (ECCN): EAR99

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