

WCDE-6-4MHL-PNTL-MOD1

4000W Metal Halide Light Tower - 6kW Diesel Generator - 23' Tower - 40 Gal Capacity - DOT

Product ID: 234743

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.

WCDE-6-4MHL-PNTL-MOD1 Mobile Light Tower

Genset Specs:

Engine: Kubota D1105
Engine Type: Liquid Cooled, Diesel Powered Engine
Engine Speed: 1800 RPM
Engine Horsepower: 10 HP
No. of Cylinders: 3
Generator: Marathon Electric 60 Hz
Rated Power: 6.0 kW
Voltage: 120V AC - 20/30A
Battery: 45 Ah, 390 CCA
Receptacle: (1) 20A Duplex GFI [120V]
Accessories: Hour Meter, Key Switch
Fuel Cell Capacity: 40 Gallons
Fuel Delivery: Electric
Noise Level: Db level 71 @ 23 ft

Ratings/Approvals

6.0 kW Kubota Genset
40 Gallon Fuel Cell
Up to 60+ Hours of Continuous Operation
Dual Manual/Self-braking Mast Design
359° Non-continuous Tower Rotation
High Water Temperature/Low Oil Auto Shutdown
High Output MH Lamps
Heavy Duty Mast
Quiet Operation

Light Mast Specs:

Mast Type: 3-Section
Boom Height: Up to 23'
Mast Rotation: 359°
Materials: Tubular Steel
Operation: Single Winch System

Winch: 1500lb, Manual + Self-Braking Mast
Mast Break: Winch
Stages: 3

Light Specs:

Lamp Type: Metal Halide
Lamp Qty: 4
Total Watts: 4,000 (1,000 per lamp)
Light Color: White
Life Expectancy: 20,000+ hours
Coverage: 6 to 7 Acres

Trailer Specs

Materials: Tubular Steel Chassis
Hitch: 2" Ball/Pintle Combo
Finish: Industrial Grade Paint
Axle: 2000 lb. Leaf Spring Axle
Stabilizers: (3)
Outriggers: Side Outriggers - 8' 3.4" Span
Lighting: DOT Approved Tail, Side, Brake, and Directional Lights
Wheels: (2) 155R13
Tires: P205/75L15

Special Orders - Special Requirements

Contact us for special requirements
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Made in Texas

The WCDE-6-4MHL-PNTL-MOD1 mobile light tower from Larson Electronics is a towable lighting package powered by a liquid-cooled diesel-powered engine turning a 6,000-watt generator. With four 1,000-watt metal halide lamps at the top of the 23-foot rotating mast, this unit will illuminate a 6-7 acre area continuously without refueling for up to 60 hours. The light tower is suitable for construction sites, outdoor events, farming operations, emergency camps, perimeter lighting and remote locations without access to grid power.

The WCDE-6-4MHL-PNTL-MOD1 is a towable light tower package that produces enough light to illuminate an area up to 7 acres in size. This unit contains a liquid-cooled diesel powered engine supporting a 6,000-watt generator, which supplies the current to four 1,000 watt metal halide lamps. This unit can run uninterrupted for 60 hours straight without refueling and includes a telescoping light mast which can elevate the four metal halide lamps to a height of 23 feet. This mobile floodlight package is ideal for emergency services, large scale event illumination, construction, mining, industrial operations and anywhere an extended operation capable mobile lighting solution is needed.

The WCDE-6-4MHL-PNTL-MOD1 mobile light tower incorporates a long list of impressive features. The 10-hp diesel engine is a Kubota unit that operates at 1800 rpm. This engine features a four-position keyed switch, hour meter and glow plugs (preheat, off, run and start). A 40-gallon fuel tank allows the engine to operate for 60 hours continuously without refueling. Equipped with a 45 Ah, 390 CCA battery, the 6,000 watt generator is capable of producing 120 volt current at 60 Hz. This unit contains one, 20-amp 120V GFI duplex receptacle.

Lights: The lighting system on this unit is comprised of four 1,000 watt metal halide lamps attached to the end of the three-stage, rotating light mast. These floodlights produce a wide flood light pattern capable of illuminating a minimum of 5 acres. Each floodlight is supported with a round aluminum reflector, tempered glass lens, silicone gaskets for moisture and dust protection and on/off switches. **Controls:** The operation system for this unit is a 15A control panel within the light tower enclosure. A 30A start limit breaker is available, which assures no load condition exists before starting. The enclosure is constructed of steel and is UV/fade resistant, as well as high temperature cured.

Telescoping Boom: The telescoping boom consists of three sections extending up to 23 feet through the use of self-braking winch and allows for rotating the lights up to 359 degrees. This light tower is also equipped with a manual mast break (winch). The telescoping boom is constructed of tubular steel to resist rusting and corrosion. This

unit is equipped with single lifting eye and fork pockets. An automatic locking system may be used to secure the system during transportation. The cord on this mast is coiled and retractable.

Housing: All of the operating components are housed within a protective compartment constructed of 14 gauge steel and designed to provide airflow for cooling. The design and construction of this enclosure helps this unit operate at a low 71 Db noise level @ 23 ft. The entire unit can be loaded and unloaded onto trucks via forklift sleeves. Equipped with three stabilizers, the system is mounted onto a trailer with a 2000-lb leaf spring axle and two, 155R13 wheels. A standard two-inch ball/pintle combo and standard safety chains with S-hooks allow for easy hookup and towing. All trailer components conform to DOT requirements.

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.



Frequently Asked Questions (FAQ)

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Export Control Classification Number (ECCN): EAR99

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