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WCDE-4-MHL-62G-GFCI

25' Telescoping Light Tower w/ 7.5kW Generator - (4) MH Fixtures, 62 Gal Tank - 120V GFCI

Product ID: 309409

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-4-MHL-62G-GFCI Mobile Light Tower

Genset Specs:

Engine: Kubota Z482 EPA Tier 4
Engine Type: Vertical, liquid-cooled, 4-cycle diesel engine
Engine Speed: 3600 RPM
No. of Cylinders: 2
Generator: Sincro EK 2 MCT
Receptacles: (2) 20A Duplex GFCI [120V]
Battery 12V
Fuel Cell Capacity: 62 Gallons
Fuel Delivery: Electric
Noise Level: Db level 73 @ 23 ft

Light Mast Specs:

Mast Type: Manual Crank-Up
Boom Height: Up to 25`
Materials: Galvanized Steel
Operation: Manual Hand Crank Winch
Winch: 2500lb, Self-Braking
Stages: Five

Light Specs:

Protection

6.8KW Kubota Genset
62 Gallon Fuel Cell
80+ Hours of Continuous Operation
External Grounding
Low Oil, High Engine Temp Auto Shut-Off
Hour Meter - Alternator Warning
High Output MH Lamps
440,000 Total Lumen Output
Independently Adjustable Light Heads
Individual Light Switch Circuit Breakers
Dial-in Adjustability per light head
110 Lumens Per Watt Efficiency
Steel Trailer w/ Industrial Grade Paint Finish
Four Point Outrigger System
Withstands 50Mph Winds at Full Extension

Lamp Type: Metal Halide

Lamp Qty: 4

Total Lumens: 440,000 (110,000 per lamp)

Luminous Efficacy: 110 lm/w

Color Temperature: Neutral White - 4100K

Life Expectancy: 20,000 hours
Coverage: 6 to 7 Acres

Trailer Specs
Materials: 14ga Sheet Steel Enclosure, 12ga Formed Steel Chassis
Hitch: 2in ball / pintle combo
Finish: Industrial Grade Paint
Axle: (1) 2,000 lbs
Suspension: 2,000 lbs Double Eye Leaf Springs
Outriggers: (4) Adjustable Outriggers w/ 2,500 lbs Manual Leveling Jacks
Lighting: DOT Approved tail, side, brake, and directional lights

Wheels: (2) 13" 5x4.5 Steel Rims

Tires: 155R13

Special Orders - Special Requirements
Contact us for special requirements

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Made in Texas

The WCDE-4-MHL-62G-GFCI from Larson Electronics is a Mobile Light Tower that is a towable lighting package powered by a water cooled diesel engine turning a single bearing 7,500 watt generator. With four 1,000 watt metal halide lamps producing 440,000 lumens, this unit is capable of illuminating a 6-7 acre area. The metal halide light tower features a 62 gallon fuel tank with an estimated runtime of 80+ hours.

The WCDE-4-MHL-62G-GFCI mobile light tower is a self contained towable light tower package that produces enough light to illuminate an area up to 7 acres in size. This unit contains a water cooled diesel engine powering a 7,500 watt generator, which supplies the current to four 1,000 watt metal halide lamps producing 110,000 lumens each for a combined total of 440,000 lumens of light. This 62-gallon unit can run uninterrupted for an estimated 80+ hours straight without refueling and includes a telescoping light mast which can elevate the four metal halide lamps to a height of 25 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.



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The WCDE-4-MHL-62G-GFCI mobile light tower incorporates a long list of impressive

features. The diesel engine is a water cooled Kubota that operates at 3600 rpm. This engine features key operated electric starting, a full twelve volt electrical system, automatic low oil pressure and high temperature safety shutoffs, dual fuel filters and easy access oil and radiator drain ports to facilitate maintenance. A 62 gallon fuel tank allows the engine to operate for approximately 80+ hours continuously without refueling. The 7,500 watt generator is a single bearing design and produces 120V volt current at 60 Hz. Operators can access two 120V duplex GFCI receptacles on the system.The generator uses a four wire hookup system with an external ground allowing for setting up both electrical and mechanical safe grounding systems.



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Lights: The lighting system on this unit is comprised of four 1,000 watt metal halide lamps producing 110,000 lumens of light each attached to the end of the telescoping light boom. These floodlights produce a wide flood light pattern capable of illuminating a minimum of 5 acres with a combined total of 440,000 lumens of light. Each floodlight is securely fastened to the light boom and each lamp includes a support bracket to help maintain lamp stability within its housing. The lamps are connected to the power source via a water tight male pin connector that attaches to a receptacle located on the end of the telescoping boom.



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Controls: The operations system for this unit is a centrally located control panel within the light tower enclosure. Four circuit breaker protected switches allow individual control of the lights while an individual hour meter tracks unit operating time. Also included is an alternator warning light, fuel primer system, preheating switch, and a 120 volt GFCI duplex receptacle for auxiliary power takeoff.
Telescoping Boom: The telescoping boom consists of five sections extending up to 25 feet through the use of a manual self braking winch and allows for rotating the lights 360 degrees. The telescoping boom is constructed of galvanized steel to resist rusting and corrosion and is capable of withstanding 50 mph winds when extended to its full height and the stabilizing outriggers are deployed. The stabilizing outriggers are a four point design with one located under the trailer tongue, two on the sides and one on the back of the unit. The two side outriggers are adjustable and include 1,000 lbs swivel jacks for leveling and stabilizing the tower.
Housing: All of the operating components are housed within a protective compartment constructed of 14 gauge steel and designed to provide airflow for cooling. A spillage free frame with an external drain system will contain all fluids to prevent road hazards or damage to the environment. Side wing doors provide access to the interior while latches provide secure closing when the unit is in use. The design and construction of this enclosure along with the commercial grade muffler system helps this unit operate

at a low 73 Db noise level @ 23 ft. The entire unit can be loaded and unloaded onto trucks via forklift sleeves mounted to the top section of the light mast. The entire unit is mounted onto a two wheel trailer with a 2,000 lbs leaf spring axle. A standard two inch ball coupling and two standard safety chains allow for easy hookup and towing.
Applications: Outdoor operations, remote illumination, concerts, checkpoints, events, perimeter lighting, security, law enforcement, industrial projects, road repair and more.
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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