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RNT-HAL-WCDE-12KW-4X100

RENT 12,000 Watt, Water Cooled Diesel Generator - 30' Telescoping Tower - 4, 1000W Metal Halide

Product ID: 271503

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.

RNT-HAL-WCDE-12KW-4X1000 Mobile Light Tower

Power: Water Cooled Diesel Engine

Generator: 12,000 watts, 120/240 volt, 1ph. @ 60hz

Lamps: 4 - 1000 watt Metal Halides
Total Lamp Watts: 4,000 watts
Fuel: 15 Gallon Fuel tank

Power Supplies: 2-120V & 2-240V Class 1 Division 1 receptacles
Boom Height: Up to 30 Feet
Efficiency: 110 Lumens per Watt
Total Lumens: 440,000

Coverage: 5 to 7 Acres

Noise Level: Db level 63 Db @23 ft

Mounting: Towable Trailer, 3500lbs Axle, 2" Ball

Run Time: Up To 12 Hours on Single Tank of Fuel

Protection

External Grounding
Low Oil, High Engine Temp Auto Shut-Off - Spark arrestor and insulate muffler
Three Point Outrigger System
Hour Meter - Charging indicator
Individual Light Switches
Withstands 65Mph Winds at Full Extension
Explosion Proof Receptacles

Special Orders - Special Requirements

Contact us for special requirements

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This unit is for rentals
Made in the USA
The RNT-HAL-WCDE-12KW-4X1000 mobile light tower from Larson Electronics is a towable lighting package powered by a water cooled

diesel engine turning a brushless generator which produces 12,000 watts and 120/240V@60Hz. The four 1000 watt metal halide lamps included with this unit produce 440,000 lumens and will illuminate a 5-7 acre area continuously without refueling for up to 12 hours.

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

The RNT-HAL-WCDE-12KW-4X1000 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 12,000 watt generator, which supplies the current for four Class 1 Division 2 1,000 watt metal halide lights producing 110,000 lumens each, for a combined total of 440,000 lumens of light. This unit can run uninterrupted for up to 12 hours straight without refueling and includes a telescoping light mast which can elevate the four metal halide lamps to a height of 30 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 RNT-HAL-WCDE-12KW-4X1000 mobile light tower includes a water cooled diesel engine that produces 12kw standby power and 10kw prime power at 1800 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. The 20 gallon fuel tank is sized to allow the engine to operate for up to 12 hours continuously without refueling.

Generator: The 12,000 watt, 12kva generator is a brushless design with Class F minimum insulation producing 120/240 volt, 1ph. @ 60hz. This hazardous location light tower includes an ignition spark arrestor and heat insulated muffler (fiberglass wrap). The generator uses a four wire hookup system with an external ground allowing for setting up both electrical and mechanical safe grounding systems. The system is equipped with two explosion proof EDC-2023 Class 1, Div. 1, 120 Volt AC plugs rated at 15 amps, and two explosion proof EDC-20232 Class I, Div. I 250 Volt plugs rated at 20 amps.

Lights: The lighting system on this unit is comprised of four Class 1 Division 2 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. These lamps are Class I, Division 2 groups A,B,C, and D. Click here for more detailed information on the lights used with this tower.

Controls: The operations system for this unit is a centrally located control panel located within the light tower enclosure. Four Class 1 Division 1 switches allow individual on/off control of the lights while an individual hour meter tracks unit operating time. Also included is a battery charging indicator and alternator failure gauges.

Telescoping Boom: The telescoping boom consists of three sections extending up to 30 feet through the use of two manual self braking winches and allows for rotating the lights 360 degrees. One winch is mounted to the trailer tongue and acts to raise the tower into a vertical position while the other is mounted to the boom and is used to extend the tower to the desired height. The telescoping boom is constructed of galvanized steel to resist rusting and corrosion and comes powder coated to prevent friction and rusting between tower sections. This system is capable of withstanding 65 mph winds when extended to its full height and the stabilizing outriggers are deployed. The stabilizing outriggers are a three point design abilizing outriggers with one located under the trailer tongue and two on the rear sides of the unit. The two rear outriggers are adjustable and include 1500 lbs, swivel jacks for leveling and stabilizing the tower.

Housing: All of the operating components are housed with a protective compartment constructed of 14 gauge steel and designed to provide airflow for cooling. Side doors provide access to the interior while latches provide secure closing while 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 63 Db level @ 23 ft.

Trailer: The entire unit is mounted onto a two wheel trailer with a 3,500 lbs leaf spring axle and 15” wheels with protected fenders. A standard two inch ball coupling and two standard safety chains allow for easy hookup and towing. The entire unit can be loaded and unloaded onto trucks via forklift sleeves mounted to the outer section of the light mast. The entire light tower system generator weighs 1850 pounds with shipping dimensions measuring 13 feet long, 8 feet wide and 6 feet tall.

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Frequently Asked Questions (FAQ)

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RNT-HAL-WCDE-12KW-4X100

Product ID: 271503

Export Control Classification Number (ECCN): EAR99

Options:

RNT-HAL-WCDE-12KW-4X100-Rental Length

Example: RNT-HAL-WCDE-12KW-4X100-MR

Rental Length	
MONTHLY	-MR
WEEKLY	-WR
DAILY	-DR

Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**