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RNT-WCDE-11-6HPS

RENT 11,000 Watt Generator - Water Cooled Diesel Engine - 30' Telescoping Tower - 6 High Pressure Sodium

Product ID: 271502



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-WCDE-11-6HPS Mobile Light Tower

Genset Specs:

Genset: 11KW Brushless
Engine: Kubota D722 16.3 HP
Engine Type: Vertical, liquid-cooled, 4-cycle diesel engine
Engine Speed: 3600 RPM
No. of Cylinders: 3
Generator: 11KW 2-Pole Brushless
Voltage: 120/240V Single Phase
Battery 12V @ 36aH
Fuel Cell Capacity: 100 Gallons - External Tank w/ Anti-Splash Baffles
Fuel Delivery: Electric
Sound Level: 68 dB - Full load @ 23` away
Cold Weather Package: Glow Plug Factory Included

Light Mast Specs

Tower Length: 11.5` to 30`
Lamp Qty: (6)
Materials: Tube Steel
Finish: Powder Coated
Operation: (2) Manual Crank Winches

Light Head Specs

Lamp Type: high pressiure sodium

Protection

11KW Kubota Brushless Genset
100 Gallon External Fuel Cell
Glow Plugs Factory Installed
Up to 45 Hour Continuous Operation
11.5` to 30` Light Mast
Steel Construction Trailer
Large Area Coverage
840,000 Total Lumen Output
Independently Adjustable Light Heads
Dial-in Adjustability per light head
IP67 Waterproof MH Fixtures
All Equipment Mounted on a 14` x 8` Trailer
Steel Trailer w/ Industrial Grade Paint Finish
External Grounding
Towable Height Under 13` w/ Light Heads
4-Point Outrigger System
Withstands 65Mph Winds at Full Extension

Total Wattage: 6,000W (1,000W per lamp)

Total Lumens: 840,000 (140,000 per lamp)

Efficiency: 110 Lumens per Watt

Lighting Configuration: Flood Beam Pattern - NEMA 5X5

Run Time: Up To 45 Hours on Single Tank of Fuel

Trailer Specs

Materials: Steel

Trailer Dimensions: 14`-L x 8`-W trailer bed

Hitch: 2" Ball Hitch

Wiring: 7-Pin Flat

Axles: 3,500 lbs Leaf Springs

Outriggers: (4) Retractable Outriggers - 1500lb jacks

Special Orders- Requirements

Contact us for special requirements

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This unit is for rentals

Made in the USA

The RNT-WCDE-11-6HPS mobile light tower from Larson Electronics is a towable lighting package powered by a water cooled diesel engine turning a single bearing 4 pole generator which produces 11,000 watts and 120/240V@60Hz. With six 1,000 watt high pressiure sodium lamps producing 840,000 lumens this unit will illuminate a 5-7 acre area continuously without refueling for up to 45 hours.

The RNT-WCDE-11-6HPS 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 11,000 watt generator, which supplies the current for six 1,000 watt high pressiure sodium lamps producing 140,000 lumens each, for a combined total of 840,000 lumens of light. This unit can run uninterrupted for up to 45 hours straight without refueling and includes a telescoping light mast which can elevate the six high pressiure sodium 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.

Genset: The RNT-WCDE-11-6HPS mobile light tower includes a Kubota D722 diesel engine that powers the 11KW 120/240V brushless generator. This genset is liquid cooled and features a single phase generator with electric start ignition. The diesel generator runs at 3600 RPM and is equipped with an EPA/CARB Tier 4 emissions system. A 100 gallon fuel cell sits beside the genset and is equipped with an electric fuel delivery system. The fuel cell is constructed of single a heavy gauge steel single wall frame with internal anti-splash baffles. This genset features key operated electric starting, a twelve volt electrical system, liquid cooling, replaceable dry element air cleaner, and a full enclosure for safe operation and protection against the elements. This engine also features cold weather options to improve performance under cold weather conditions.

Lights: The lighting system on this unit is comprised of six 1,000 watt high pressiure sodium lamps producing 140,000 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 840,000 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.

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. The telescoping boom is constructed of powder coated 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 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.

Wiring/Controls: Each light head is wired into the NEMA 3R breaker control box at the base of the mast. Operators control the light heads via an on/off switched breaker per individual light head.

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.

Frequently Asked Questions (FAQ)