

6,000 Watt Light Plant - 11KW Watt Generator - Water Cooled Diesel Engine - 30' 5 Stage Light Tower

Part #: WCDE-11KW-30-4X1500W-10TLR

**Made in the USA**

The WCDE-11KW-30-4X1500W-10TLR mobile light tower from Larson Electronics is a towable lighting package powered by a Kubota water cooled diesel engine turning a single bearing 4 pole generator which produces 11,000 watts and 120/240V@60Hz. With four 1,500 watt metal halide lamps producing 600,000 lumens this unit will illuminate a 5-7 acre area continuously without refueling for up to 60 hours.

The WCDE-11KW-30-4X1500W-10TLR 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 four 1,500 watt metal halide lamps producing 150,000 lumens each, for a combined total of 600,000 lumens of light. This unit can run uninterrupted for up to 60 hours straight without refueling and includes a five stage telescoping light mast which can elevate the four 1500 watt 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.

Genset: The WCDE-11KW-30-4X1500W-10TLR mobile light tower includes a Kubota Lowboy II GL11000TM genset that houses 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 150 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 four 1,500 watt metal halide lamps producing 150,000 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 7+ acres with a combined total of 600,000 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 five 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. The tower is constructed of square steel tubing with a base section 6.6' in length and 6" by 6" by 3/16" thick, lower section 6.78' in length and 5" by 5" by 3/16" thick, middle section 6.93' in length and 4" by 4" by 1/8" thick, upper section 7.08' in length and 3" by 3" by 1/8" thick, and top section 7.58' in length and 2" by 2" by 1/8" thick. Each section has a 1'+ minimum overlap. The mast is elevated via an included 2,500 lbs manual crank winch and is extended to its full height using a second 2,500 lbs manual crank winch with 3/16" galvanized steel cable.

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 four point design with two located in the front sides and two on the rear sides of the unit. The outriggers are adjustable and include 1,500 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 10' by 8', two wheel, single axle trailer with a 5,400 lbs leaf spring axle and 15" wheels with protected fenders. A standard 3" pintle hitch 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.

Specifications / Additional Information**WCDE-8HL Mobile Light Tower****Genset Specs:****Genset:** Kubota GL11000TM**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:** 150 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:** 8.75' to 30'**Lamp Qty:** (4)**Materials:** Tube Steel**Finish:** Powder Coated**Operation:** (2) 2,500lb Manual Crank Winches**Light Head Specs****Lamp Type:** Metal Halide**Total Wattage:** 6,000W (1,500W per lamp)**Total Lumens:** 600,000 (100,000 per lamp)**Efficiency:** 100 Lumens per Watt**Lighting Configuration:** Flood Beam Pattern - NEMA 5X5**Run Time:** Up To 50+ Hours on Single Tank of Fuel**Trailer Specs****Materials:** Steel**Trailer Dimensions:** 10'-L x 8'-W trailer bed**Hitch:** 3" Pintle Hitch**Wiring:** 7-Pin Flat**Axles:** 5,400 lbs Leaf Springs**Protection**

11KW Kubota Brushless Genset

150 Gallon External Fuel Cell

Glow Plugs Factory Installed

Up to 50 Hour Continuous Operation

8.75' to 30' Light Mast

Steel Construction Trailer

Large Area Coverage

600,000 Total Lumen Output

Independently Adjustable Light Heads

Dial-in Adjustability per light head

IP67 Waterproof MH Fixtures

All Equipment Mounted on a 10' 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

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671**Intl:** 1-903-498-3363

Outriggers: (4) Retractable Outriggers - 1,500 lbs jacks

E-mail: ales@larsonelectronics.com

3 year warranty replacement on this light mast. The customer ships the failed light mast to Larson Electronics at their expense. If the failure is a manufacturer defect, we will repair and/or replace the unit.

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