

LM-SMDE-30-8-5S-6X150RT-LED-EW-7KW

900 Watt C2D1 High Intensity LED Skid Mount Light Plant - 30' Electric Mast - 7KW Diesel Generator

Product ID: 144062

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.

LM-SMDE-30-8-5S-6X150RT-LED-EW-7KW 900 Watt Three Stage LED Light Tower

Genset Specs:

Genset: Kubota GL7000TM
Engine: Kubota Z482 10.9 HP
Engine Type: Vertical, liquid-cooled, 4-cycle diesel engine
Engine Speed: 3600 RPM
No. of Cylinders: 2
Generator: 7KW 2-Pole Brushless
Voltage: 120/240V Single Phase
Battery 12V @ 28aH
Fuel Cell Capacity: 28 Gallons
Fuel Delivery: Electric
Sound Level: 66 dB - Full load @ 23' away
Cold Weather Package: Yes -Factory Included

Light Mast Specs:

Mast Length: 8.83 feet - 30 feet
Capacity: 150 lbs.
Materials: Steel
Operation: 3,500lbs Electric Winches
Cable: 3/16" Galvanized Steel Aircraft Cable

LED Light Specs:

Lamp Type: Cree LED
Lamps: (6) 150 Watt LED Fixtures
Total Watts: 900 W

Quick Summary

7KW Kubota Brushless Genset
28 Gallon Fuel Cell
Cold Weather Package Factory Installed
Up to 35 Hour Continuous Operation
8.83' to 30' Foot Light Mast
Steel Construction
Power Coated Finish
Removable Mast Head
125 mph Wind Resistance
Electric Operation
(4) 4' Slide-Out Outriggers w/ 1,200lb Jacks

LED Lamp Head Summary

ETL Listed US & Canada
UL 595 Rated for Marine Use
60,000+ Lamp Life - LEL Approved
Corrosion Resistant Aluminum Housing
Multi-Bank Drivers for Failsafe Performance

LED Lamp Head Ratings

Listed for United States and Canada
Class I Division 2, Groups C and D
Class II Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
IP67 Rated Waterproof

Total Lumens: 105,000
Voltage: Universal 100-277 VAC, 50/60Hz
Lighting Configuration: Flood Pattern
Temp Rating: T5 -40°C to +65°C
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75 CRI
Lamp Life: 60,000+ Hours

Skid Mount Specs:

Finish: Powder Coated - Gloss Blue
Outriggers: (4) 24" Retractable Outriggers w/ 1,200 lbs Manual Leveling Jacks
Materials: Carbon Steel

Mounting: Cube Frame

Dimensions: 48" x 76" x 53"

Shipping: Common Freight

Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

UL 508A

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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This unit is Made In USA - Manufactured in Texas

The Larson Electronics LM-SMDE-30-8-5S-6X150RT-LED-EW-7KW self contained skid mount electric light plant provides a safe and effective way for operators to quickly deploy 900 watts of intense lighting to elevations up to thirty feet. The six 150 watt Class II Division 1 Cree LED lamps produce a wide spread of intense white light, allowing this unit to effectively cover large work areas with high quality illumination. The light tower features a rotating boom that allows for 360° of rotation, a removable mast head for storing mounted equipment when not in use, 7KW Kubota diesel genset, and is mounted to a cube frame with skid pockets and 4-corner pick eyes for easy transportation.

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

The LM-SMDE-30-8-5S-6X150RT-LED-EW-7KW is a self contained LED lighting system from Larson Electronics and is designed to provide wide area illumination in remote locations where traditional line power is not available. This unit features a five stage telescoping steel lightmast with electric winch is designed to quickly and safely deploy 900 watts of intense LED lighting in locations where elevated illumination is needed for maximum area coverage. The light boom can be extended to 30' for maximum area coverage and collapsed to 8.83' for applications where a smaller footprint is required. The tower is constructed of square steel tubing with a base section 5.92' in length and 6" by 6" by 3/16" thick, lower section 6.04' in length and 5" by 5" by 3/16" thick, middle section 6.19' in length and 4" by 4" by 1/8" thick, upper section 6.34' in length and 3" by 3" by 1/8" thick, and a top section 6.5' in length and 2" by 2" by 1/8" thick. Each section has a 1' overlap. The mast is elevated using an included 3,500 lbs. electric winch with 3/16" galvanized braided cable.

Included with this light tower are six of our Class II Division 1 wet area suitable [EPLC2-HB-150LED-RT](#) high output LED fixtures producing a combined total of approximately 105,000 lumens at 900 watts. These lamps have a copper free aluminum alloy body that is powder coated for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture achieve an excellent 60,000 hour rated lifespan with 80% lumen retention. Each C2D1 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.

The light heads on this unit feature multiple LED drivers which help increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twelve individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to

operate.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

The tower and assembly is powder coated with a glossy blue finish for corrosion resistances and aesthetics. This mast is bolted onto a 1/8" thick carbon steel plate via six 1/2" anchor bolts. The mast and controls are secured within a cube-style frame constructed of 2" by 2" by 1/8" thick and measuring 48" wide by 72" long by 53" tall. Four 4' slide out outriggers with 1,200 lbs. manual crank leveling jacks allow operators to anchor the unit down, providing stability during deployment. Eight skid pockets allow this unit to be picked up from all four sides, and four-corner pick eyelets allow for stable deployment via crane operation. A 50" wide and 2" by 2" by 1/4" thick mounting plate is attached to the upper section of the mast which provides a strong and stable platform for the six C2D1 LED fixtures.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. This light plant system can withstand winds up to 125+ mph when lowered to 8', and up to 55 mph when fully extended. When elevated to its full upright position, the mast can be rotated a full 360°. By loosening the T-Handle, operators can rotate the mast with ease in either direction. The mast can be positioned in one of four different directions, and locked back in place by re-tightening the T-handle. The mast itself spins freely with ease, and can typically be rotated with a single hand. The mast is operated via push button switches within the cube frame, allowing operators to raise or lower the mast with the push of a button. All electrical components are UL/cUL listed.

Genset: The LM-SMDE-30-8-5S-6X150RT-LED-EW-7KW mobile Class II Division 1 LED light tower includes a Kubota Lowboy II GL7000TM genset that houses a Kubota Z482 diesel engine that powers the 7KW 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 and a 28 gallon internal fuel cell. 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.

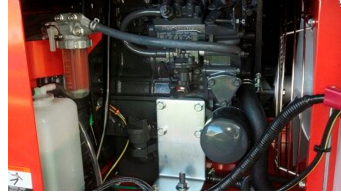
Runtime: The six 150 watt C2D1 LED light heads have a considerably less amp draw than the metal halide light heads on traditional light plants. This allows the LM-SMDE-30-8-5S-6X150RT-LED-EW-7KW to achieve up to 35 hours of continual use on a single tank of gas when only operating the light heads and air compressor. This self contained LED light plant provides operators with a worry free and energy efficient alternative to metal halide light plants.



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Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. We offer a choice of either the manual hand winches included standard or optional electric winches, lamp wattage, quantity, and type, as well as platform design. Please contact us for customization.

Suggested Applications: Temporary lighting, construction sites, and security camera deployment. We can equip this mast with 1000W or 1500W Metal Halide lights or a wide variety of high powered LED lights with comparable power, including the [LED10WSA-160](#), [LEDLB-200X2E](#), [LEDLB-160X2E](#) or [LEDLB-80x2E](#). 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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Product ID: 144062

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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- [Shipping Time Map](#)