

LM-30-8-5S-4X150RT-LED-EW-SM-RD

600 Watt High Intensity LED Light Plant - Skid Mount Five Stage Electric Mast - Extends up to 30'

Product ID: 72861

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-30-8-5S-4X150RT-LED-EW-SM-RD 600 Watt Three Stage LED Light Tower

Lamp Type: LED
Lamps: (4) 150 Watt LED Fixtures
Total Watts: 600
Total Lumens: 50,000
Mast Length: 8.83 feet - 30 feet
Capacity: 150 lbs.
Materials: Steel
Finish: Powder Coated or Galvanized - Gloss Blue
Operation: 3,500lbs Electric Winches
Winch Voltage: 120V or 240V AC 50/60 Hz
Cable: 3/16 Aircraft Cable ETL Listed US & Canada
Mounting: 48" x 48" x 53" Carbon Steel Cube Frame
Shipping: Common Freight

LED Lamp Specs

Voltage: Universal 100-277 VAC, 50/60Hz
Lighting Configuration: Flood Pattern
Temp Rating: T5 -40°C to +65°C
Color Temp: 5600K, 70-CRI
Lamp Life: 50,000+ Hours
Options: Length- Mounting-Fixtures/Call Us for Special Requirements

Quick Summary

Mast Summary

8.83' to 30' Foot Light Mast
Steel Construction
200' 10/4 Cable w/ Cord Reel
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 Rated for Marine Use
LEL Approved
Corrosion Resistant Aluminum Housing
Multi-Bank Drivers for Failsafe Performance
Water Tight Connectors

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The Larson Electronics LM-30-8-5S-4X150RT-LED-EW-SM-RD skid mount electric light plant provides a safe and effective way for operators to quickly deploy 600 watts of intense lighting to elevations up to thirty feet. The four 150 watt 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, and is mounted to a cube frame with skid pockets and 4-corner pick eyes for easy transportation. When ordering this product, please choose between the following finishes: powder coated or galvanized.

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

The LM-30-8-5S-4X150RT-LED-EW-SM-RD five stage telescoping steel light mast with electric winch from Larson Electronics is designed to quickly and safely deploy 600 watts of intense LED lighting in locations where elevated illumination is needed for maximum area coverage. This light boom can be extended to 30` for maximum area coverage and collapsed to 8.83` for applications where a footprint smaller 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 four of our wet area suitable [GAU-HB-160LED](#) high output LED fixtures producing a combined total of approximately 50,000 lumens at 600 watts. These lamps have a copper free aluminum alloy body that is powder coated or galvanized for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture achieve an excellent 50,000 hour rated lifespan with 80% lumen retention. 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.

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.



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down

time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.



Glossy Blue Powder Coat

Optional
Finish



Galvanized

The tower and assembly comes powder coated or galvanized 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 48" 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 four metal halide 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 electric winch on this mast is offered in 120V or 240V AC 50/60 HZ. Additional voltage options are available at an additional charge. Larson Electronics can offer single phase and three phase AC winches, or low voltage DC winches.



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

Mast Controls: The mast is operated via push button controls that are externally mounted on the control box exterior. All controls and electronics are housed within an aluminum NEMA 3R control panel. The lights are banked on two individual circuits, with the left half of the lights on one circuit and the right half on another, allowing operators to power two fixtures at 300 watts or all four fixtures at 600 watts depending on the lighting requirements.

Wiring & Cord Cap: This skid mounted LED flood lighting system is equipped with 200 foot of 10/4 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to local electrical circuits. Cable management is provided via a manual roll up drum mounted within the steel cube frame that provides storage for the 200' power cable when not in use or during storage. Each end of this 200' 10/4 SOOW cable is terminated in L14-20 cord caps. Operators can utilize the build in cord reel to extend electrical power connections when in remote locations electrical connections are up to 200' away,

or bypass this cord reel and plug directly into the L14-20P cord cap whip from the panel when the light tower is mounted closer to power sources. This light tower operates on 240V AC. The LM-30-8-5S-4X150RT-LED-EW-SM-RD also features weatherproof cord caps on break-aways between the light heads and control box, the electric winch and control box and between the control box and cord reel. Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. For example, the LM-25 is another model that reaches to a length of 25 feet, with a 15 foot lower section and a 10 foot upper section and a 4 foot wide upper mounting bracket. We also offer a choice of either the manual 1,000 lbs. hand winches included standard or optional electric winches.

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](#).

Frequently Asked Questions (FAQ)









LM-30-8-5S-4X150RT-LED-EW-SM-RD

Product ID: 72861

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LM-30-8-5S-4X150RT-LED-EW-SM-RD-**Finish**-**Winch Voltage**

Example: LM-30-8-5S-4X150RT-LED-EW-SM-RD-**PWDC**-**120V**

Finish	
POWDER COATED	-PWDC
GALVANIZED	-GLV

Winch Voltage	
120V	-120V
240V	-240V

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