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LM-30-3S-TLR14-8X1000W-MH-3P

8000W 3-Stage Light Mast on 14' Single Axle Trailer - (8) 1000W Metal Halides - Extends up to 30'

Product ID: 144333

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-30-3S-TLR14-8X1000W-MH-3P Trailer Mounted 3-Stage Light Tower

Light Mast Specs
Tower Length: 12` to 30`
Mast Head Length: 44"
Capacity: 150 lbs
Materials: Steel
Finish: Powder Coated - Gloss Blue
Operation: (2) 2,500lbs Hand Winches, Electric Optional
Cable: 3/16" Galvanized Aircraft Cable

Quick Summary
12` to 30` Light Mast
Steel Construction
Powder Coated Finish
Removable Mast Head
(4) 1,000lb Retractable Outriggers
125 mph Wind Resistance
Manual or Optional Electric Operation
(8) 1000 Watt Metal Halides

Lamp Specs
Lamp Type: Metal Halide
Lamps: (8) 1000 Watt Metal Halide Sport Lamps
Total Watts: 8,000
Total Lumens: 880,000
Voltage: 208 3-Phase Voltage
Wiring: 20` 6/4 SOOW cord w/ CS8365 50-amp cord cap from base of mast

Trailer Specs
Materials: Steel
Trailer Dimensions: 14-L` x 6`-W trailer bed
Hitch: 2" Ball Coupler
Wiring: 4-Pin Flat
Axle: 3,500lb
Suspension: 5,400 Lb 4-Leaf Double Eye Springs
Outriggers: (4) 1,000 Manual Crack Leveling Jacks - Retractable

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Wheels: (2) 15" 5x4.5 Steel Rims
Tires: ST205/75/D15 H188
Weight: +-1200 lbs
Shipping: Common Freight
Shipping Dimensions: ~16.5`-L x 4`-W x 5`-H
Shipping Weight: +-1700 lbs
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

Special Orders - Special Requirements
Contact us for special requirements
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Made in the USA

The Larson Electronics LM-30-3S-TLR14-8X1000W-MH-3P 8000 watt trailer mounted fold over 3-stage light mast provides a safe and effective way for operators to quickly deploy the equipped metal halide light fixtures to elevations up to thirty feet. The eight 1,000 watt metal halide lamps produce a wide spread of intense white light, allowing this unit to effectively cover large work areas with high quality illumination. The LM-30-3S-TLR14-8X1000W-MH-3P operates on 208 3-Phase voltage and produces 880,000 lumens of lighting power. This light tower folds over for easy transportation, features a rotating boom that allows for 360° of rotation, and a removable mast head for storing mounted equipment when not in use. The entire assembly is mounted onto a 14` single axle trailer, allowing operators to transport this fold over boom from location to location.

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

This telescoping three stage steel light mast from Larson Electronics is designed to quickly and safely deploy 8,000 watts of metal halide lighting in locations where elevated illumination to heights up to 30` is needed for maximum area coverage. This light boom can be extended to 30` above the trailer floor for maximum area coverage, and collapsed to 12` for applications where a footprint smaller is required. The tower is constructed of square steel tubing with a lower section 12` in length and 4" by 4" by 1/8" thick, middle section 9.5` in length and 3" by 3" by 1/8" thick, and an upper section 8.5` in length and 2" by 2" by 1/8" thick. Each section has 1` foot of overlap. The mast is elevated using an included 2,500lb rated hand winch with 3/16" galvanized steel cable and extended to its full height using a second 2,500 lbs winch.



44" Mast Head for mounting lights and equipment
Click Image to Enlarge



Click Image to Enlarge



13" by 15" by 1/4" thick mounting base
Click Image to Enlarge



Click Image to Enlarge



Click Image to Enlarge



Click Image to Enlarge

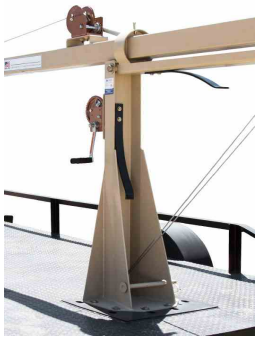
A 44" wide and 2" by 2" by 1/4" thick mounting plate is attached to the upper section of the mast which provides a strong and stable platform for the four metal

halide fixtures. 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 easy in either direction. The mast can be positioned in one of four different positions, and locked back in place by re-tightening the T-handle. The mast itself spins freely with easy, and can typically be rotated with a single hand.
The LM series of towers are powder coated with glossy blue finish for corrosion resistances and aesthetics. This light mast is mounted to a 14` by 6`, single axle trailer via six 1/2" anchor bolts. The two wheel trailer is equipped with 3,500 lbs axle and leaf springs with 15" trailer tires. The trailer can support and haul an additional 3,500 lbs of equipment. A standard 2" ball coupling, two standard safety chains, and 4-pin flat trailer plug allow for easy hookup and towing.
The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. Four 1,000 lbs hand crank leveling jacks are used for leveling. The jacks can be leveled by hand crank or attachment provided for power drills. These outriggers can be extended 2` out from the side of the trailer for added stability. When lowered to 12`, the mast can withstand winds up to 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.



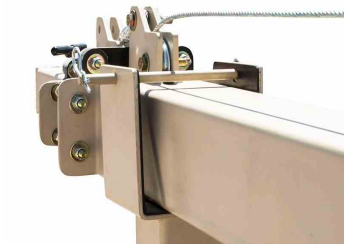
Retractable outriggers with 1,000 lb manual crank jacks and tail lights.

Click Image to Enlarge



Manual 1,000 lb hand crank winch for elevating and folding over the light mast on the LM-30-3S-TLR14-8X1000W-MH-3P.

Click Image to Enlarge



Mast support bracket for securing the mast boom in the fold-over position during transportation.

Click Image to Enlarge

This light tower assembly weighs approximately 375 lbs, can easily support and lift 150 lbs fixtures. Larson Electronics can custom tailor these units to the customer`s requirements with longer sections and larger mounting plates. For example, the LM-40-4S is another model that reaches to a length of 40`, with base section 11.25` in length, lower section 11.25` in length, an upper section 11.25` in length, and a top section 11.75` in length. Larson Electronics can custom build these towers to meet your overall and collapsed height requirements.
We also offer a choice of either the manual or electric winches, finishing, and e quipped light heads. Winch options include 1,000 lbs hand winches (included standard) or optional electric winches for standard light towers, and heavy duty winches and hoists for high payload units. Powder coating color can be customized (the standard mast is gloss blue). Mast location on the trailer bed can be tongue mounted, front of the trailer bed, or center of the trailer bed. These towers can be fitted with Larson Electronics line of high output light heads, or customize the mast head to meet the mounting requirements for your equipment.



Click Image to Enlarge



Click Image to Enlarge



Click Image to Enlarge



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Click Image to Enlarge



Click Image to Enlarge

Wiring/Plug: The LM-30-3S-TLR14-8X1000W-MH-3P from Larson Electronics is equipped with twenty feet of 6/4 SOOW cable with a CS8365 50-amp cord cap from the base of the mast.
Suggested Applications: Temporary lighting, construction sites, and security camera deployment. We can equip this mast with 1000W HID-22-SL-REM or 1500W HID-22-15M-SL-REM Metal Halide lights or a wide variety of high powered LED lights with comparable power, including the LED10WSA-160, LED10WSA-320, LEDP5W-30, LEDP5W-60, and GAU-HB-160LED
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.

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Frequently Asked Questions (FAQ)



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Product ID: 144333

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **IES (Photometric File)**
- **Operations Manual**
- **Photometric Flood Report**
- **Photometric Indoor Report**
- **Photometric Polar Graph**
- **Photometric Road Report**
- **HigResPic1**
- **HigResPic2**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**