Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

LM-30-8.75-5S-4X2000W-MOD1

18kW Five-Stage Telescoping Light Mast - 8.75' to 30' - Triangle Mast Head - Remote Ballasts N3R

Product ID: 154405

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-30-8.75-5S-4X2000W-MOD1 - 30` Five Stage Light Tower
Lamp Type: Metal Halide
Tower Height Dimensions: 8.75` to 30`
Maximum Height w/ Light Heads: 31.88`
Minimum Height w/ Light Heads: 10.62`
Fold-over Dimensions w/ Light Heads: 10.37` x 7.10` x 7.32`
Lamps: (9) 2,000W Fixtures
Total Watts: 18,000W
Total Lumens: 1,701,000 lms
Voltage: 240V AC
Mast Head Configuration: Triangle Mast Head w/ (3) Metal Halide Fixtures per Side; Total of (3) Sides
Wiring: 10` Whip w/ Blunt Cut End
Tower Height: Telescoping from 8.75` to 30`
Weight: +-400 lbs
Capacity: 150 lbs
Materials: Steel
Finish: Powder Coated - Gloss Blue
Operation: 3,500 lbs Manual Winch, Electric Optional
Cable: 3/16" Aircraft Cable
Mounting: 1/4" Thick, 18"x18" Base Plate
Anchor Bolts: (6) 9/16" Bolts
Shipping: Common Freight

Quick Summary
8.75` to 30` Foot Light Mast
Steel Construction
Power Coated Finish
Removable Mast Head
125 mph Wind Resistance
Manual or Optional Electric Operation
(9) 2,000W Metal Halide Fixtures
Fold-over Mast
Remote Ballasts

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Shipping Dimensions: 9.5`-L x 4`-W x 5`-H

Shipping Weight: +-550 lbs

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

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in Texas

The Larson Electronics LM-30-8.75-5S-4X2000W-MOD1 Five-Stage Telescoping Light Mast provides a safe and effective way for operators to quickly deploy 18,000 watts of intense lighting to elevations up to thirty feet. Equipped with a triangular mast head and remote ballasts, the nine 2,000-watt metal halide lamps produce a wide spread of intense lighting, allowing this unit to effectively cover large work areas with high quality illumination. This fold-over light tower collapses down to 8.75 feet for easy transportation, features an articulating boom that allows for 360° of rotation, and a removable mast head for storing mounted equipment.

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

This telescoping five-stage steel light mast from Larson Electronics' is designed to quickly and safely deploy 18,000 watts of intense metal halide 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 8.75` for applications where a smaller footprint is required. For seamless storage, the light tower folds over, which minimizes space requirements when the unit is not in use.

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`+ overlap. The mast is extended to its full height using an included 3,000 lbs hand winch with 3/16" galvanized steel cable. When stored in a fold-over configuration, the light tower assembly measures 10.37` x 7.10` x 7.32`.

The mast head features a triangle configuration, with three 2,000-watt metal halide lamps per side (total of three sides, equating to 18,000 watts). Each side provides 567,000 lumens of output, at a rate of 189,000 lumens per lamp. With the metal halide lamps, the mast head measures 87.91" x 76.13" x 76.13" (length measurements of each side of the triangle). Ballasts for the metal halide fixtures are located remotely at the base of the light tower, which measures 18" x 18". The ballasts are protected by a NEMA 3R enclosure.

Click Photo to Enlarge

Included with this light tower are nine of our wet area suitable HID-22-SL-REM metal halide fixtures producing a combined total of approximately 1,701,000 lumens at 18,000 watts. These lamps have 19" reflectors and are constructed of aluminum with a clear tempered glass lens which is secured into place with a heavy duty gasket and single ring lock. These floodlights produce a wide flood light pattern capable of illuminating approximately 15 acres. 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 LM series of telescoping towers are powder coated with glossy blue finish for corrosion resistances and aesthetics. These light masts are typically mounted to trailers or other stable surfaces via a 18" by 18" by 1/4" thick mounting base-plate which has been drilled to accept six 9/16" anchor bolts. A triangular mast head is attached to the upper section of the mast which provides a strong and stable platform for the nine equipped 2,000-watt metal halide light fixtures.

Click Photo to Enlarge

The LM family of telescoping towers feature a proprietary mast guidance system, which provides increased stability during high winds. When lowered to 8.75`, the mast can withstand winds up to 125 mph. 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, and can typically be rotated with a single hand.

This light tower weighs approximately 400 lbs and can easily support and lift 150 lbs fixtures. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 9.5` long, 4` wide, 5` tall and weighs approximately 550 lbs. Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. We also offer a choice of either the manual 3,000 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.

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: 154405

Export Control Classification Number (ECCN): EAR99

Options:

LM-30-8.75-5S-4X2000W-MOD1-Voltage

Example: LM-30-8.75-5S-4X2000W-MOD1-208V

Voltage	
208V	-208V
240V	-240V
277V	-277V

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**