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-30-3S-2X1000W**

# 2000 Watt Telescoping Light Mast - 30' 3-Stage Light Tower - 360° Rotating Boom - High Mast Lighting

**Product ID: 64320**

**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-2X1000W 2000 Watt Telescoping Light Tower**

**Mast Length: 12 feet - 30 feet**
**Lamp Type: Metal Halide**
**Lamp Quantity:** 2
**Total Watts: 2000 (2x 1000W)**
**Total Lumens: ~220,000**
**Lighting Configuration:** Flood Pattern
**Voltage:** 120V, 208Y, 240V, or 277V AC
**Wiring:** 25 foot SOOW cord w/ L5-15, L6-15, or L7-15 Twist Lock Plug
**Operation:** 2-1,000lbs Hand Winches, Electric Optional
**Mounting:**1/4" thick, 13"x15" Six Bolt Hole Bracket
**Materials: Steel Mast, Aluminum Lamp Housing,**
**Finish: Powder Coated Gloss Blue Mast, Polyester Powder Coated Fixtures**
**Shipping:** Common Freight
**Shipping Weight:** +-1500 lbs
**Shipping Dimensions:** ~198"-L x 48"-W x 60"-H

**Quick Summary**

12 to 30 Foot Light Mast
Steel Construction
125 MPH Wind Resistance
Removable Mast Head
UL Listed MH Lights
Powder Coated Finish for Corrosion Resistance
Manual Winch Operation (Electric Optional
Call Us for Special Requirements

**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

**Made in the USA**

**The LM-30-3S-2X100W Metal Halide Light Tower from Larson Electronics is an 30 foot three stage extendable light tower equipped with two outdoor rated 1000 watt metal halide light**

**fixtures producing approximately 110,000 lumens each. The 1000 watt fixtures are wet location approved, vibration and shock resistant, and provide operators low maintenance and high output temporary lighting solution. 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.**

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

Larson Electronics' LM-30-3S-2X1000W telescoping steel light tower mast is designed to allow operators to quickly and safely deploy 220,000 lumens of intense lighting in locations where this equipment must be elevated to heights up to 30 feet for effective light coverage. This light boom can be extended to 30 feet for maximum area coverage and collapsed to 12 feet for applications where a footprint smaller than 12 feet is required. The tower is constructed of square steel tubing with a lower section 14` in length and 4" in diameter by 1/8" thick, middle section 12` in length and 3" in diameter by 1/8" thick, and an upper section 8` and 2" in diameter by 1/8" thick. Each section has 2 foot of overlap. The mast is elevated using an included 1,000 lbs hand winch with 3/16 inch cable and extended to its full height using a second 1,000 lbs winch.

This fold over light tower is equipped with two of our wet area suitable HID-22-SL-REM metal halide floodlight fixtures producing a combined total of approximately 220,000 lumens at 2000 watts. Each fixture produces 110,000 lumens of high intensity light while drawing only 1000 watts @8.34 amps for a combined 16.67 amp draw on a 120 volt electrical system. These industrial grade light fixtures are UL 1572 listed and approved for use wet locations. The lights are wired to a NEMA 3R junction box at the top of the tower, with a NEMA 3R remote ballast enclosure at the base of the tower and 25 foot of SOOW cable extending from the base mast and terminated in an L5-15 (120V) L6-15 (208/240V), L7-15 (277V) twist lock plug.



Click Image to Enlarge



Click Image to Enlarge



Click Image to Enlarge

The lamp fixtures mounted atop this fold over light mast 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 2.5 acres. Each floodlight is securely fastened to the light boom via an adjustable U-bracket that allows the operator to independently adjust each lamp both vertically and horizontally. Each fixture includes an internal 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. This is a heavy duty light boom designed for use in demanding conditions and for overall longevity in difficult construction environments with heavy duty steel construction for maximum durability. We make this lighting solution in the United States. Larson Electronics tower lights are designed for industrial, commercial, emergency response, and military applications where the operators are working in harsh, destructive environments and the operators income or mission success are dependent on dependable, durable lighting.

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



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

The LM series of 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 15 inch by 13 inch, 1/4 inch thick mounting base-plate which has been drilled to accept six 3/4 inch anchor bolts. A 36 inch wide and 1/4 inch 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. When lowered to 12 feet, 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 easy 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 easy, and can typically be rotated with a single hand.

This light tower weighs approximately 1000 lbs, can easily support and lift 150 lbs fixtures. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 16.5 feet long, 4 feet wide, 5 feet tall and weighs approximately 1500 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 1,000 lbs hand winches included standard or optional electric winches.

**Suggested Applications:** Construction sites, event lighting, emergency services, highway projects, industrial plants, mining and excavation, and anywhere a mobile light source with large area coverage capability is needed.

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

# Frequently Asked Questions (FAQ)





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-30-3S-2X1000W**

**Product ID: 64320**

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**LM-30-3S-2X1000W-Voltage**

**Example: LM-30-3S-2X1000W-120V**

| Voltage | |
|---|---|
| 120V | -120V |
| 208Y | -208Y |
| 240V | -240V |
| 277V | -277V |

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **IES (Photometric File)**
- **Photometric Flood Report**
- **Photometric Indoor Report**
- **Photometric Polar Graph**
- **Photometric Road Report**
- **HigResPic1**
- **HigResPic2**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**