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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

## LM-20-6.5-5S-FM-EW-MOD1-12V

# 20' 5-Stage Fixed Mount Light Mast - Extends to 20' - Collapses to 6.5' - Automatic Winch - 12V DC

**Product ID: 236835**

**Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



Image: LM-20-6.5-5S-FM-EW-MOD1-12V

**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-20-6.5-5S-FM-EW-MOD1-12V Five Stage Telescoping Light Tower**

**Length:** 6.5`-20`
**Weight:** +-315 lbs
**Payload Capacity:** 150 lbs
**Materials:** Steel
**Finish:** Powder Coated - Glossy Blue
**Operation:** 2,500 lb Automatic Winch
**Input Winch Voltage:** 12 V DC
**Cable:** 3/16" Galvanized Steel Aircraft Cable
**Mounting:** 1/4" thick, 13"x15" Base Plate
**Anchor Bolts:** (6) 9/16" Anchor Bolts (not included)
**Shipping:** Common Freight
**Shipping Dimensions:** 7`L x 4`W x 3`H
**Shipping Weight:** +-350 lbs
**Options:** Length- Mounting-Fixtures/ Call Us for Special Requirements

**Quick Summary**

6.5` to 20` Light Mast
Steel Construction
Powder Coated Finish
125 mph Wind Resistance
Automatic Operation
Made in the USA

**Special Orders - Special Requirements**

Contact us for special requirements
**Toll Free:** 1-800-369-6671
**Intl:** 1-903-270-1187
**Fax:** 1-903-765-7664
**E-mail:** sales@larsonelectronics.com

**Made in Texas**

**The LM-20-6.5-5S-FM-EW-MOD1-12V from Larson Electronics is a Fixed Mount 5-Stage**

**Light Mast with Automatic Winch that provides a safe and effective way for operators to quickly deploy lights, security cameras and other equipment to elevations up to twenty feet and collapse to six and a half feet when fully collapsed. This automatic light tower features a rotating boom that allows for 360° of rotation and a removable mast head for storing mounted equipment when not in use. The LM-20-6.5-5S-FM-EW-MOD1-12V features an automatic winch that elevates the mast when power is turned on, and collapses the mast when power is turned off for easy extension and retraction. The LM-20-6.5-5S-FM-EW-MOD1-12V operates from 12 V DC power sources.**

***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 allow operators to quickly and safely deploy lighting, cameras, and other electrical equipment in locations where this equipment must be elevated to heights up to 20` for effective coverage. This light boom can be extended to 20` for maximum area coverage and collapsed to 6.5` for applications where a footprint smaller is required. This allows operators to collapse the mast and leave it in the upright position during transit if desired depending on equipment mounted to the mast head).

The tower is constructed of square steel tubing with a base section 4.54` in length and 6" by 6" by 3/16" thick, lower section 4.73` in length and 5" by 5" by 3/16" thick, middle section 4.92` in length and 4" by 4" by 1/8" thick, upper section 5.10` in length and 3" by 3" by 1/8" thick, and an top section 5.60` in length and 2" by 2" by 1/8" thick. Each section has an overlap of at least 12 inches. The mast is extended to its full height using an included 2,500 lbs automatic winch with 3/16" galvanized steel cable.



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" by 13" by 1/4" thick mounting base-plate which has been drilled to accept six 9/16" anchor bolts. 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 light fixtures and equipment.

**Operation:** The LM-20-6.5-5S-FM-EW-MOD1-12V features an automatic winch system. When power is turned on, the mast will elevate automatically, and when power is cut, the mast will lower itself. In a portable application, when this mast is trailer mounted to a utility trailer and power for the utility trailer is connected to 12V DC mains power or a generator, the mast will automatically elevate itself. When the job is done and power to the utility trailer is

disconnected, the mast will then lower itself to transport position. This automatic system also works for stationary power to operate the mast up/down via a simple power switch. When operators turn the switch on (providing power to mast), the mast goes up. When operators turn the switch off (disconnecting power to mast), the mast goes down.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. When lowered to 6`, 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 any direction 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 315 lbs, can easily support and lift 150 lbs. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 7 feet long, 4 feet wide, 3 feet tall and weighs approximately 350 lbs. Larson Electronics can custom tailor these units to the customer`s requirements with longer sections and larger mounting plates. For example, the LM-30-3S is another model that reaches to a length of 30 feet, with a 14 foot lower section, 12 foot middle section, and a 8 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.

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)

There are no Faqs

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**LM-20-6.5-5S-FM-EW-MOD1-12V**

**Product ID: 236835**

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

**Options:**

**LM-20-6.5-5S-FM-EW-MOD1-12V-Finish**
**Example: LM-20-6.5-5S-FM-EW-MOD1-12V-GLVD**

| Finish | |
|---|---|
| GALVANIZED | -GLVD |
| POWDER COATED | -PWDC |

Links (Click on the below items to view):

- **Operations Manual**( https://www.larsonelectronics.com/images/product/Manual/236835.PDF )
- **Wiring Diagram**( https://www.larsonelectronics.com/images/product/WiringDiagram/236835.PDF )
- **HigResPic1**( https://www.larsonelectronics.com/images/product/HigResPic1/236835.JPG )
- **HigResPic2**( https://www.larsonelectronics.com/images/product/HigResPic2/236835.JPG )
- **HigResPic3**( https://www.larsonelectronics.com/images/product/HigResPic3/236835.JPG )
- **HigResPic4**( https://www.larsonelectronics.com/images/product/HigResPic4/236835.JPG )
- **Video1**( https://www.youtube.com/watch?v=lg4S6c1Ip0M )
- **ISO 9001 Certification**( http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF )
- **Business Certificate**( https://www.larsonelectronics.com/images/pdfdocs/w9.PDF )
- **Shipping Time Map**( https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf )