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-20-3S-FM-M1

20-ft telescoping mast, telescoping vertically from 12 ft to 20 ft by manual winch, fixed mount / non-fold-over

Product ID: 342520

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



Image: LM-20-3S-FM-M1

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-20-3S-FM-M1 Three Stage Telescoping Light Tower

Length: 12 feet - 20 feet
Weight: +-800 lbs.
Capacity: 150 lbs.
Materials: Steel
Finish: Powder Coated - Dark Brown – RAL 8028 (Terra Brown) or Galvanized
Operation: (1) 1,000lbs Hand Winch, Electric Optional
Cable: 3/16 Aircraft Cable
Mounting: 1/4" thick, 13"x15" Six Hole Bracket
Shipping: Common Freight
Shipping Dimensions: 16.5`-L x 4`-W x 5`-H
Shipping Weight: +-1400 lbs.
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements
The customer ships the failed light mast to Larson Electronics at their expense. If the failure is a manufacturer defect, we will repair and/or replace the unit.

Quick Summary

12 to 20 Foot Light Mast, Fixed Mount/ Non-fold Over
Steel Construction
Powder Coated Finish
Removable Mast Head
125 mph Wind Resistance
Manual or Optional Electric Operation

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 the USA

The Larson Electronics LM-20-3S-FM-M1 3-stage light mast provides a safe and

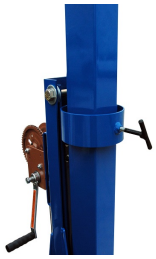
effective way for operators to quickly deploy lights, security cameras and other equipment to elevations up to twenty feet. This fixed mount/non-fold over light tower features a rotating boom that allows for 360° of rotation and a removable mast head for storing mounted equipment when not in use.

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 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 feet for effective coverage. This light boom can be extended to 20 feet for maximum area coverage and collapsed to 12 feet for applications where a smaller footprint is required. The tower is constructed of square steel tubing with a lower section 12 feet in length and 4 inches in diameter, a middle section 8 feet in length and 3.5 inches in diameter, and an upper section 6 feet and 3 inches in diameter. Each section has 2` of overlap. The mast is elevated using an included 1,000 lbs. hand winch with 3/16 inch cable.



Click Image to Enlarge



Click Image to Enlarge



Click Image to Enlarge

This light tower has a Dark Brown – RAL 8028 (Terra Brown) powder coated finish for durability. 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 equipment.

The LM family of telescoping towers feature a proprietary mast guidance system, which provides increased stability during high winds. When lowered, 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 800 lbs. and can easily support and lift 150 pounds of lights or equipment. 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 1400 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-20-3S-FM-M1

Product ID: 342520

Export Control Classification Number (ECCN): EAR99

Options:

LM-20-3S-FM-M1-Finish
Example: LM-20-3S-FM-M1-GLVD

Finish	
GALVANIZED	-GLVD
POWDER COATED DARK BROWN	-PWDC

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Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/342520.JPG)
- **Video1**(https://www.youtube.com/watch?v=aDYg1YG0PVg)
- **Video2**(https://www.youtube.com/watch?v=wk4BEqRuPww)
- **Video3**(https://www.youtube.com/watch?v=lg4S6c1lp0M)
- **Video4**(https://www.youtube.com/watch?v=jrtrTkZaV7o)
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