Larson Electronics LLC
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LM-20-6-5S-FM-500LB-M1

20 Foot Five Stage Fixed Mount Light Mast - Extends up to 20' - Collapses Down to 6' - Supports Up to 500 lb of Equipment

Product ID: 271777

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-20-6-5S-FM-500LB-M1 Five Stage Telescoping Light Tower

Length: 6' - 20' (1.82 m - 6.09 m)
Weight: +-315 lb (142.88 kg)
Payload Capacity: 150 lbs
Materials: Steel
Finish: Powder Coated - Glossy Blue, Powder Coated - Black, or Galvanized
Operation: 2,500lbs Manual Winch, Electric Optional
Cable: 3/16" (0.47 cm) Galvanized Steel Aircraft Cable
Mounting: 1/4" thick, 13" x 15" x 1/4" Thick Base Plate (38.10 cm x 33.02 cm x 0.63 cm)
Anchor Bolts:(6) 9/16" (1.42 cm) Anchor Bolts (not included)
Shipping: Common Freight
Shipping Dimensions: 7'-L x 4'-W x 3'-H (2.13 m x 1.21 m x 0.91 m)
Shipping Weight: +-350 lb (158.75 kg)
Options: Length - Mounting - Fixtures / Call Us for Special Requirements

Quick Summary

6' to 20' (1.82 m to 6.09 m) Light Mast
Steel Construction
Powder Coated or Galvanized Finish
125 mph (201.16 kph) Wind Resistance
Manual or Optional Electric 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: 1-903-498-3364
E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The LM-20-6-5S-FM-500LB-M1 from Larson Electronics is a Fixed Mount 5-Stage Light Mast that provides a safe and effective way for operators to quickly deploy up to 500 pounds (225 kilograms) of lights, security cameras, and other equipment to elevations up to twenty feet (6.09 meters) high. This mast collapses down to six feet (1.82 meters) when fully lowered. This crank up light tower features a rotating boom that

allows for 360° of rotation and a 2" by 2" (5.08 cm x 5.08 cm) top stage to bolt equipment to. A removable mast head for storing mounted equipment when not in use is sold separately.

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` (6.09 m) for effective coverage. This light boom can be extended to 20` for maximum area coverage and collapsed to 6` (1.82 m) 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` (1.38 m) in length and 9" by 9" (22.86 cm x 22.86 cm), lower section 4.73` (1.44 m) in length and 7" by 7" (17.78 cm x 17.78 cm), middle section 4.92` (1.49 m) in length and 5" by 5" (12.70 cm x 12.70 cm), upper section 5.10` (1.55 m) in length and 3" by 3" (7.62 cm x 7.62 cm), and a top section 5.60` (1.70 m) in length and 2" by 2" (5.08 cm x 5.08 cm). Each section has an overlap of at least 12 inches (30.48 cm). The mast is extended to its full height using an included 2,500 lb (1133.98 kg) hand winch with 3/16" (0.47 cm) galvanized steel cable.



Click Image to Enlarge



Click Image to Enlarge



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The LM series of towers are available with a choice of three different finishes for corrosion resistances and aesthetics: powder coated glossy blue, powder coated black, or galvanized. Please make your choice when ordering. These light masts are typically mounted to trailers or other stable surfaces via a 15" by 13" by 1/4" (38.10 cm x 33.02 cm x 0.63 cm) thick mounting base-plate which has been drilled to accept six 9/16" anchor bolts. A 2" by 2" (5.08 cm x 5.08 cm) top stage provides operators with a space to bolt down and mount equipment. Larson Electronics can also provide a 44" (111.76 cm) wide and 2" by 2" by 1/4" (5.08 cm x 5.08 cm x 0.63 cm) thick mounting plate (sold separately) that can be attached to the upper section of the mast for an additional fee.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. When lowered to 6` (1.82 m), the mast can withstand winds up to 125 mph (201.16 kph). 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 lb (142.88 kg), can easily support and lift 500 lb (225 kg). The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 7 feet (2.13 m) long, 4 feet (1.21 m) wide, 3 feet (0.91 m) tall and weighs approximately 350 lb (158.75 kg). 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 (9.14 m), with a 14 foot (4.26 m) lower section, 12 foot (3.65 m) middle section, and a 8 foot (2.43 m) upper section and a 4 foot (1.21 m) wide upper mounting bracket. We also offer a choice of either the manual 1,000 lb (453.59 kg) hand winches included standard or optional electric winches.



The image above displays the LM-20-6-5S-FM-500LB-M1 used for antenna deployment.

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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LM-20-6-5S-FM-500LB-M1

Product ID: 271777

Export Control Classification Number (ECCN): EAR99

Options:

LM-20-6-5S-FM-500LB-M1-Finish

Example: LM-20-6-5S-FM-500LB-M1-PWDC.BLU

Finish	
POWDER BLUE	-PWDC.BLU
POWDER BLACK	-PWDC.BLK
GALVANIZED	-GLVD

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **Video1**
- **Video2**
- **Video3**
- **Video4**
- **Video5**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**