

16 Foot Telescoping Light Mast - 10-16' Fold Over Light Tower - Electric Operation - 360° Rotation

LM-16-EW

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



LM-16-EW Fold Over Light Mast w/ Electric Winches

Length: 10 feet - 16 feet

Weight: +-325 lbs

Capacity: 150 lbs

Materials: Steel

Finish: Powder Coated - Gloss Blue

Operation: (2) 1,000lbs Electric Winches

Cable: 3/16" Galvanized Cable

Mounting: 1/4" thick, 13"x15" Six Bolt Hole Bracket

Winch Voltage: 120V or 240V AC 50/60 Hz

Anchor Bolts: (6) 9/16" anchor bolts (not included)

Shipping: Common Freight

Shipping Dimensions: 12`-L x 4`-W x 5`-H

Shipping Weight: +-600 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

10' to 16' Light Mast

Steel Construction

Power Coated Finish

Removable Mast Head

125 mph Wind Resistance

Electric Operation

UL 508A

Special Orders- Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics LM-16-EW fold over light mast with electric winches provides a safe and effective way for operators to quickly deploy lights, security cameras and other equipment to elevations up to sixteen feet. This light tower folds over for easy transportation, features a rotating boom that allows for 360° of rotation, electric winches for easy deployment, 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 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 16` for effective coverage. This light boom can be extended to 16` for maximum area coverage and collapsed to 10` for applications where a footprint smaller is required. The tower is constructed of square steel tubing with a lower section 8` in length and 3" by 3" by 1/8" thick and an upper section 9` in length and 2" by 2" by 1/8" thick with 1` of overlap. The mast is elevated using an included 1,000

lbs electric winch with 3/16" galvanized cable and extended to its full height using a second 1,000 lbs electric winch.



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 the mounted fixtures or equipment.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. When lowered to 12', 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.

The electric winch on this mast is offered in 120V or 240V AC 50/60 HZ. Additional voltage options are available at an additional charge. Larson Electronics can offer single phase and three phase AC winches, or low voltage DC winches.

This light tower weighs approximately 350 lbs, can easily support and lift 150 lbs fixtures. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 12 feet long, 4 feet wide, 5 feet tall and weighs approximately 600 lbs. Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. For example, the [LM-25-EW](#) is another model that reaches to a length of 25 feet, with a 15 foot lower section and a 10 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](#).



Frequently Asked Questions (FAQ)

Options:

LM-16-EW-Winch Voltage

Example: LM-16-EW-120V

Winch Voltage	
120V	-120V
240V	-240V

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)