

16' Four Stage Telescoping Mini Light Mast - 7' to 16' Electric Light Boom, Network Controls - Stationary Mast

LM-16-7-4S-EW-ANC

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



LM-16-7-4S-EW-ANC 16ft Four Stage Telescoping Light Tower

Mast Specs

Length: 7 feet - 16 feet

Weight: +-350 lbs

Capacity: 100 lbs

Materials: Steel

Finish: Powder Coated - Gloss Blue

Operation: (1) 1,200 lbs Electric Winch,

Cable: 3/16" Galvanized Aircraft Cable

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

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

Mast Controls: Network

Network Controller Specs

Dimensions: 1.41" x 3.88" x 3.1"

Weight: 5 oz

Network Type: 10/100 Base-T Ethernet Port

Protocols: HTTP, XML, Modbus TCP/IP

Power Supply: 9-28V DC

Digital Input: (1) Optically Isolated 4-26V DC

Current: 950uA @ 4V, 8.5mA @ 26V

Relay Contacts: (1) SPDT - 240V AC/30V DC Max @ 12A

Relay Modes: On/Off or Pulsed

Pulse Timer Duration: 0.1 to 86,400 Seconds

Input Functions: Monitor, Local Relay Control, Remote Relay Control

LED Indicators: (4) Digital Input Voltage Applied, Relay Coil Energized, Network Linked, Network Activity

Operating Temperature: -40°C to 57°C

Housing Material: Lexan 940 Polycarbonate Plastic

Mount: Surface, Wall or DIN Rail

Password Protection: Yes @ Setup (Base 64 Encoding, 10 Characters)

Connectors: 3-position Removable (Relay- C, NO, NC), 5-position Removable (Power/Input), 8-pin RJ-45 (Network)

Quick Summary

7' to 16' Light Mast

Steel Construction

Powder Coated Finish

Removable Mast Head

125 mph Wind Resistance

Manual or Optional Electric Operation

NRTL Certified to UL 508A

Password Protected Network Controls

No Programming Required

Modbus TCP/IP Connectivity

Special Orders- Requirements

Contact us for special requirements

Shipping: Common Freight

Shipping Dimensions: 6.5'-L x 4'-W x 5'-H

Shipping Weight: +-500 lbs

Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The Larson Electronics LM-16-7-4S-EW-ANC Four Stage Telescoping Mini Light Mast provides a safe and effective way for operators to quickly deploy lights, security cameras and other equipment to elevations of up to sixteen feet. Capable of collapsing to seven feet, this 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. Network controls for the mast makes deployment in outdoor sites quick and seamless.

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

This telescoping four stage electric 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 7' for applications where a smaller footprint 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 mast is extended to its full height using an included 1,200 lbs electric winch with 3/16" galvanized cable.



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

Mast Controls: Network controls for the mast (up and down movement) is accessible using a web-based control panel. Compatible with HTTP, XML, or Modbus TCP/IP protocols, network configuration is accessible using web-based pages (no programming required). Operators can monitor or setup controls from a remote area using the internet or local IP network and any standard web browser. Functions and controls include: on/off, pulse and monitor. LED indicator lights on the device provide the real-time information about digital input voltage, relay coil, network status and network activity. Password protection for the setup page is available (10 characters maximum).

Network Controller: The network controller is equipped with one optically-isolated digital input and one SPDT relay contact. Compatible with 9-28V DC, the unit features a 3-position removable relay (N, NO, NC), a 5-position removable power/inputs and an 8-pin RJ-45 port for network connections. Operators can mount the device on walls, surfaces or din rails for space-saving benefits.

The LM series of towers are powder coated with glossy blue finish for corrosion resistance 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 1/2 inch anchor bolts. A 36" wide and 2" by 2" by 1/8" thick mounting plate is attached to the upper section of the mast which provides a strong and stable platform for light fixtures and equipment.

The LM family of telescoping towers feature a proprietary mast guidance system, which provides increased stability during high winds. When lowered to 7 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 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.

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 and can easily support and lift 100 lbs fixtures. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 6.5 feet long, 4 feet wide, 5 feet tall and weighs approximately 500 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 1,200 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.



Frequently Asked Questions (FAQ)





Options:

LM-16-7-4S-EW-ANC-Winch Voltage

Example: LM-16-7-4S-EW-ANC-120V

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

Links (Click on the below items to view):

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