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

Product ID: 282090

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



Image:

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-SMWB-ELM100-7S-FE-90LB-M1 Outdoor Megatower™

Mast Specs

Tower Length (Upright): 21.2' to 100'
Tower Dimensions (Folded Over): 8.8'-H x 21'-L
Tower Base: 92" x 92"
Payload Capacity: 90 lb
Voltage: Single Phase 208-240 V AC, 60 Hz - Three Phase and Other Voltages Available
Amp Draw: -
Mast Head: Not Included
Control Panel: Mast Horizontal/Vertical Orientation and Raising/Lowering Controls
Mast Safety: Limit Switches for Mast Extension
Materials: Heat Treated 6063B/T5 Aluminum
Finish: Zinc
Operation: Electric Hoist
Weighted Base: Customer Provided 92" x 92" Concrete Base and a Second Section for the Mast Catcher
Installation: Customer Provided Anchor Bolts Through Base of Mast
Shipping: Common Freight
Shipping Weight: -

Quick Summary

21.2' to 100' Light Mast
NRTL Listed to UL 508A - Controls
CSA C22.2 No 14 - Controls
Aluminum Mast
Electric Hoist Operation
NEMA 3R Rated Control Panel

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

This unit is Made In USA - Manufactured in Texas

The LM-SMWB-ELM100-7S-FE-90LB-M1 Self-Contained Megatower™ from Larson Electronics is a heavy-duty electric mast that provides a safe and effective way for operators to quickly deploy lights, cameras, and other equipment to elevations up to 100'. Equipped with a NEMA 3R rated control panel, the mast can be installed and used indoors or outdoors and requires customer-provided concrete pads for proper installation. The LM-SMWB-ELM100-7S-FE-90LB-M1 features a payload capacity of 90 lb and is zinc coated.

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

The LM-SMWB-ELM100-7S-FE-90LB-M1 equipment tower is a self-contained tower package. This unit operates on single-phase 208-240 V AC, 60 Hz (three phase and other voltages are available) and includes an electric telescoping light mast which can elevate up to 90 lb of equipment to heights up to 100'. This mobile tower package is ideal for large scale event illumination, construction, mining, industrial operations, and more.

This telescoping seven stage equipment mast from Larson Electronics is designed to allow operators to quickly and safely deploy up to 90 lb of lights, cameras, antennas and other equipment to heights up to 100'. This light boom can be collapsed to 21.2' for applications where a smaller footprint is required. The tower is constructed of heat treated aluminum tubing. The mast is elevated using an included electric hoist system.

The tower does not have a mast head for mounting customer-provided equipment. We can include and customize one at an additional cost.

Telescoping Boom: The telescoping boom is constructed of heat treated aluminum with a zinc finish and extends up to 100'. This boom is raised and lowered via an electric hoist. A safety limit switch prevents the tower from being extended when not in a fully vertical position. We recommend adding guy wires to the mast in an extended position when deployed in high wind environments.

Wiring/Controls: A NEMA 3R rated control panel with NRTL listed to UL508A and CSA C22.2 No 14 rated controls is available on the side of the base and allows the mast to be installed and used outdoors. This control panel allows operators to change the horizontal and vertical orientations of the mast, as well as raising and lowering the tower. An electronic stop feature is activated when the mast reaches full height. It is possible to lower and extend the height of the mast at any point in between its minimum and maximum heights. We can install sensors or pre-programmed settings for raising at specific heights (this feature comes with additional costs).

Voltage Options: The LM-SMWB-ELM100-7S-FE-90LB-M1 operates on single-phase 208-240V AC, 60 Hz. Three phase and other voltages are available. Please make your selection below when ordering.

Base: The mast system has a 92" x 92" weighted base, which requires customers to install one concrete pad for stability. A second section must also be installed for the mast catcher. A single concrete pad is sufficient or two separate pads with a smaller pad for the mast catcher. The mast system is then installed on the concrete pad(s) via customer provided anchor bolts through the bast of the mast.

Custom builds can be provided for higher wind speed resistance when fully raised. We also offer a choice of finishing, equipped light heads, and with or without gensets. These towers can be fitted with Larson Electronics line of high output light heads, or with a customized mast head to meet the mounting requirements for your equipment. Optional diesel generators and fuel cells can be equipped from factory, or retrofitted after purchase.

Suggested Applications: Temporary lighting, construction site illumination, outdoor event lighting, job site lighting, and any other application that requires a self-contained source of illumination capable of covering a very large area effectively.

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.

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

Frequently Asked Questions (FAQ)

There are no Faqs

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



Image:

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

Product ID: 282090

Export Control Classification Number (ECCN): EAR99

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

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com//images/product/CECCert/282090.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com//images/product/DimensionalDrawing/282090.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com//images/product/NECCert/282090.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/282090.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/282090.JPG)
- **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)