

LM-25-3S-2X160WSA-LED

320 Watt High Intensity LED Light Tower - Three Stage Mast - Extends up to 25 Feet - 29,446 Lumens

Product ID: 71412

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-25-3S-2X160WSA-LED Three Stage LED Light Tower

Lamp Type: LED

Lamps: (2) 160 Watt LED Fixtures

Total Watts: 320

Total Lumens: 29,446

Lighting Configuration: Flood Pattern

Color Temp: 6000K

Lamp Life: 50,000+ Hours

Ambient Temp Rating: -40°C to +65°C

Mast Length: 12 feet - 25 feet

Weight: +-450 lbs

Materials: Steel

Finish: Powder Coated - Gloss Blue

Voltage: Universal 100-277 VAC, 50/60Hz

Operation: (2) 1,000lbs Hand Winches, Electric Optional

Cable: 3/16 Aircraft Cable

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

Shipping Weight: +-800 lbs

Shipping: Common Freight

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

Quick Summary

12 to 25 Foot Light Mast

Steel Construction

Power Coated Finish

Removable Mast Head

125 mph Wind Resistance

Manual or Optional Electric Operation

LED Lamp Head Summary

Shock Dampening Mounting System

Automatic Current Sensing and Adjusting

Active Heat Management

Ambient Op Temp -40°C to +80°C

IP69K High Temp High Pressure Wash Down

EMC/EMI CISPR 25 Class 3 Rated

304 Stainless Steel Mounting Hardware

Special Orders - Special Requirements

Contact us for special requirements

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E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics LM-25-3S-2X160WSA-LED fold over light mast provides a safe and effective way for operators to quickly deploy 320 watts of intense LED lighting to elevations up to twenty-five feet. Two high powered LED lights produce a wide spread of intense white light, allowing this unit to effectively cover large work areas with high quality illumination. This light tower folds over for easy transportation, 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

The LM-25-3S-2X160WSA-LED 320 watt telescoping steel light mast with LED light heads from Larson Electronics' is designed to quickly and safely deploy 320 watts of intense LED lighting in locations where elevated illumination is needed for maximum area coverage. This light boom can be extended to 25 feet for maximum area coverage and collapsed to 12 feet for applications where a footprint smaller 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 10 feet and 3.5 inches in diameter, and an upper section 7 feet in length and 3 inches in diameter. Each section has a 2 foot of overlap. The mast is elevated using an included 1,000 lbs hand winch with 3/16 inch cable and extended to its full height using a second 1,000 lbs winch.



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

This light tower is equipped with two of our industrial grade [LED10WSA-160](#) high output LED fixtures producing a combined total of 29,446 lumens at 320 watts. These high output LED light bars feature soft start technology, allowing the LEDs to gradually increase to maximum intensity instead. Low inrush current at start-up reduces wear on associated components, increasing overall life of the internal electronics and improves downtime. Built in redundancy lessens chance of full fixture failure, while the reverse polarity operation protects the fixture from shorting the internal components.

As well as unparalleled heat control, the LED10WSA series of LED lights from Larson Electronics also offer IP69K rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40°C to +80°C, are waterproof to three meters, can withstand high pressure and high temperature wash downs, and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and fitted high purity optics behind an unbreakable polycarbonate lens. The CREE XM-L2® LEDs help these units achieve up to 60Grms rated resistance to vibrations and are rated at 70% lumen maintenance after 50,000 hours of use. Each floodlight is securely fastened to the mast head with an innovative trunnion style stainless steel mounting bracket that allows the light to be adjusted through 360° of vertical movement. The LED light head is secured to the mounting bracket with shock dampening rotating inserts. The insert provides precision aiming down to 1° while providing increased longevity to the LED fixture. To vertically adjust the unit after mounting, the user simply loosens the screws located on either side of the unit, moves it into the desired position, then retightens the screws. The base of the mounting trunnion is equipped with several machined slots which allow users to utilize existing mounting holes and slide the unit for precise mount

positioning. The stainless steel trunnion bracket has preset angles marked in 5° intervals, allowing operators to precisely aim each fixture.



[Click Image to Enlarge](#)



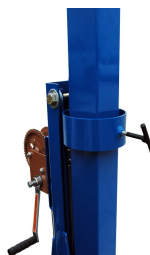
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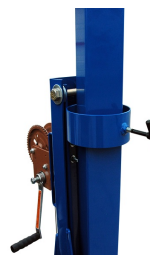
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The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. When lowered to 12 feet, the mast can withstand winds up to 125 mph. When elevated to its full upright position, the 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 with ease, and can typically be rotated with a single hand.

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 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 the four metal halide fixtures.

This light tower weighs approximately 800 lbs, can easily support and lift 150 lbs fixtures. 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 1200 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 1,000 lbs hand winches included standard or optional electric winches.

Suggested Applications: With its easy deployment the LM-25-3S-2X160WSA-LED is ideal for use in applications that require regular intensive cleaning and are exposed to a lot of vibration, dust, dirt, where abusive working conditions are encountered, temporary lighting, and construction sites.

Frequently Asked Questions (FAQ)

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Product ID: 71412

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Operations Manual](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)