Larson Electronics LLC
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LM-30-3S-4X1000W-SM

30 Foot 3-Stage Light Tower Skid System with Four 1000 Watt Metal Halide Lights

Product ID: 70892

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-30-3S-4X1000W-SM Light Mast
Length: 12 feet - 30 Feet
Weight: Approx. 1600 lbs
Capacity: 150 lbs
Materials: Steel
Operation: 2-1,000lbs Hand Winches, Electric Optional
Mounting: Skid mounting system w/ four 6` outriggers
Shipping: Pallet Freight
Shipping Weight: Approx. 1600 lbs
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements
Watts: 4,000
Lumens: 400,000

Quick Summary
12 - 30 Ft Extendable Mast
Steel Construction
125 mph Wind Resistance
Manual or Optional Electric Operation
Lights- cUL 1572 & Wet Area Suitable
Skid mounting system w/ outriggers

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
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Made in the USA

The LM-30-3S-4X1000W-SM Skid Mounted Lighting System from Larson Electronics is a 30 foot extendable light tower equipped with four metal halide light fixtures producing approximately 100,000 lumens each. This tower illuminates approximately 5 acres, and includes a rotating base to allow the unit to be easily aimed in any direction regardless of mounting position.

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

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LIGHT TOWERS*

This skid based light tower system includes a 30 foot retractable, fold over mast with four 1000W metal halide lights. The light mast extends and retracts via single manual winch and the mast fold over operation is controlled by a second winch. The mast itself can be rotated 360 degrees, and it's base is affixed to skid measuring 5 foot wide by 5 foot long with a ¼-inch thick steel base plate. At 3-foot above the surface of the skid, a 3-inch square tubing (1/4-inch thick) rail encompasses all four sides of the skid. The skid is forklift accessible with two forklift pockets at the base of the forklift. The skid pockets run the length of the skid and run parallel to the direction that the mast folds over. The corners of the railing system are supported by 4-inch square tubing (1/4-inch thick).

The retractable 30-foot mast features 3 sections, each measuring 12 feet (4-inch square tubing 1/8-inch thick), 11 feet (3-inch square tubing 1/8-inch thick) and 10 feet (inch square tubing 1/8-inch thick) in length for each respective section. The mast folds over a 3-foot from the surface via a manual crank-style winch. At the far end of the skid, a 3-foot skid extension pulls out of the end of the skid to support the top of the mast for transport mode. When in transport mode, the entire skid platform will measure 5-foot wide by 8-foot long by 3.5 feet tall. The mast itself, will be supported by the top rails of the skid and by a special bracket on the skid extension.

Once transport is complete, the operator will deploy four 6-foot outriggers. These outriggers are attached to the skid at one foot above the surface and will be pinned into place once they are brought down on the ground surrounding the skid. Next, the operator will remove the light heads attached to the skid surface (for transport) and mount them atop the mast. The operator uses a T-handle to lock the mast head with lights into place. At that point, the operator can un-fold the mast via the crank winch and 3/16 cable until it is upright. Then, by using a second winch, the mast height can be raised from 12 feet to 30 feet.

Click Photo to Enlarge | Click Photo to Enlarge | Click Photo to Enlarge

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Included with this light tower are four of our wet area suitable HID-22-SL-rem metal halide fixtures producing a combined total of approximately 400,000 lumens at 4,000 watts. These lamps have 19" reflectors and are constructed of aluminum with a clear tempered glass lens which is secured into place with a heavy duty gasket and single ring lock. The four 1000 watt metal halide light heads deliver approximately 400,000 lumens of light and can illuminate 3-5 acres depending on the conditions and terrain. The light heads can be individually positioned on the mast head to create a coverage scenario that matches the operator's needs. Each light head is independently wired to the junction box so it can be replaced if damaged. The junction box for the light heads is terminated in a 30 foot long whip that brings power to the light heads from the ballast box assembly mounted at the base of the light tower mast. The ballast box assembly can be configured for 120, 208, 240, 277 or 480V based on customer requirements.Overall Transport Dimensions: 8'LX5'WX3.5'T

Overall Deployed Footprint: 19’L X 19’W (with outriggers deployed)
Weight: 1600 pounds
Coating: Powder coat and/or 2-part epoxy with zinc primer
Materials: steel
Mast Height Deployed: 30 feet
Mast Height Retracted: 12 feet
Mast Height Folded: 42”This light tower when lowered to 12 feet can withstand winds up to 125 mph. We can equip this mast with 1000W or 1500W Metal Halide lights or a wide variety of high powered LED lights with comparable power. We also offer a choice of either the manual 1,000 lbs hand winches included standard or optional electric winches. Call us at 1-800-369-6671 or contact us at sales@larsonelectronics.com to discuss any special custom ordering requirements.
Suggested Applications: Construction sites, event lighting, emergency services, highway projects, industrial plants, mining and excavation and anywhere a mobile light source with large area coverage capability is needed. To permanently mount this light mast a 2 foot concrete pillar is recommended with a 20" wide slab.

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Frequently Asked Questions (FAQ)

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Product ID: 70892

Export Control Classification Number (ECCN): EAR99

Options:

LM-30-3S-4X1000W-SM-Voltage

Example: LM-30-3S-4X1000W-SM-120V

Voltage	
120V	-120V
208Y	208Y
240V	240V
277V	277V
480V	480V

Links (Click on the below items to view):

- Dimensional Drawing 2D
- IES (Photometric File)
- Photometric Flood Report
- Photometric Indoor Report
- Photometric Polar Graph
- Photometric Road Report
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map