

LM-30-3S-TLR10-JB

Three Stage Light Mast on 10' Single Axle Trailer with wheels - Extends up to 30' - Included Job Box

Product ID: 105571

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-TLR10-JB Trailer Mounted 3-Stage Light Tower

Light Mast Specs

Tower Length: 12' to 30'

Mast Head Length: 44"

Capacity: 150 lbs

Materials: Steel

Finish: Powder Coated - Gloss Blue

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

Cable: 3/16" Galvanized Aircraft Cable

Quick Summary

12' to 30' Light Mast

Steel Construction

Power Coated Finish

Removable Mast Head

(4) 1,000lb Retractable Outriggers

125 mph Wind Resistance

Manual or Optional Electric Operation

A-Frame for mounted (2) 300 Watt Solar Panels

Trailer Specs

Materials: Steel

Trailer Dimensions: 10-L' x 6'-W trailer bed

Hitch: 2" Ball Coupler

Wiring: 4-Pin Flat

Axle: 3,500lb

Suspension: 5,400 Lb 4-Leaf Double Eye Springs

Outriggers: (4) 1,000 Manual Crack Leveling Jacks - Retractable

Wheels: (2) 15" 5x4.5 Steel Rims

Tires: ST205/75/D15 H188

Job Box External Dimensions: 48" x 24"

Special Orders - Special Requirements

Job Box Storage Capacity: 16 cu. ft.

Weight: +-1200 lbs

Shipping: Common Freight

Shipping Dimensions: 16.5'-L x 4'-W x 5'-H

Shipping Weight: +-1700 lbs

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

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics LM-30-3S-TLR10-JB trailer mounted fold over 3-stage light mast provides a safe and effective way for operators to quickly deploy lights, security cameras and other equipment to elevations up to thirty feet. 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. The entire assembly is mounted onto a 10' single axle trailer, allowing operators to transport this fold over boom from location to location.

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

This telescoping three stage 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 30' for effective coverage. This light boom can be extended to 30' above the trailer floor for maximum area coverage, and collapsed to 12' for applications where a footprint smaller is required. The tower is constructed of square steel tubing with a lower section 12' in length and 4" by 4" by 1/8" thick, middle section 9.5' in length and 3" by 3" by 1/8" thick, and an upper section 8.5' in length and 2" by 2" by 1/8" thick. Each section has 1' foot of overlap. The mast is elevated using an included 1,000lb rated hand winch with 3/16" galvanized steel cable and extended to its full height using a second 1,000 lbs winch.



44" Mast Head for mounting lights and equipment

[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



13" by 15" by 1/4" thick mounting base

[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

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 standard payloads up to 150 lbs. 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 positions, 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 LM series of towers are powder coated with glossy blue finish for corrosion

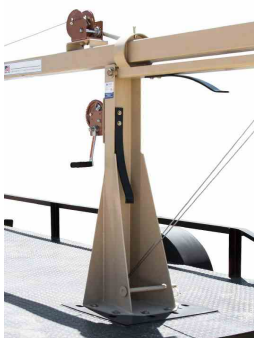
resistances and aesthetics. This light mast is mounted to a 10' by 6', single axle trailer via six 1/2" anchor bolts. The two wheel trailer is equipped with 3,500 lbs axle and leaf springs with 15" trailer tires. The trailer can support and haul an additional 3,500 lbs of equipment. A standard 2" ball coupling, two standard safety chains, and 7-pin flat trailer plug allow for easy hookup and towing. A rugged and waterproof job box is included, safely secured to the trailer. A removable A-frame stand on the trailer allows operators to bolt up to two 300 watt user provided solar panels.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. Four 1,000 lbs hand crank leveling jacks are used for leveling. The jacks can be leveled by hand crank or attachment provided for power drills. These outriggers can be extended 2' out from the side of the trailer for added stability. When lowered to 12', the mast can withstand winds up to 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.



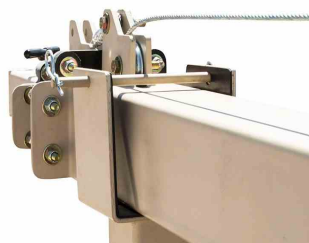
Retractable outriggers with 1,000 lb manual crank jacks and tail lights.

[Click Image to Enlarge](#)



Manual 1,000 lb hand crank winch for elevating and folding over the light mast on the LM-30-3S-TLR10-JB.

[Click Image to Enlarge](#)



Mast support bracket for securing the mast boom in the fold-over position during transportation.

[Click Image to Enlarge](#)



The LM-30-3S-TLR10-JB fitted with four HID-22-SL-REM 1000 Watt Metal Halide Light Fixtures

[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

This light tower assembly weighs approximately 1200 lbs, can easily support and lift 150 lbs fixtures. The entire tower assembly is shipped via common freight carrier or flatbed. Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. For example, the LM-40-4S is another model that reaches to a length of 40', with base section 11.25' in length, lower section 11.25' in length, an upper section 11.25' in length, and a top section 11.75' in length. Larson Electronics can custom build these towers to meet your overall and collapsed height requirements.

We also offer a choice of either the manual or electric winches, finishing, and equipped light heads. Winch options include 1,000 lbs hand winches (included standard) or optional electric winches for standard light towers, and heavy duty winches and hoists for high payload units. Powder coating color can be customized (the standard mast is gloss blue). Mast location on the trailer bed can be tongue mounted, front of the trailer bed, or center of the trailer bed. These towers can be fitted with Larson Electronics line of high output light heads, or customize the

mast head to meet the mounting requirements for your equipment.



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Suggested Applications: Temporary lighting, construction sites, and security camera deployment. We can equip this mast with 1000W HID-22-SL-REM or 1500W HID-22-15M-SL-REM Metal Halide lights or a wide variety of high powered LED lights with comparable power, including the [LED10WSA-160](#), [LED10WSA-320](#), [LEDP5W-30](#), [LEDP5W-60](#), and [GAU-HB-160LED](#).



Frequently Asked Questions (FAQ)











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Product ID: 105571

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
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- [HigResPic9](#)
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- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)