

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



**PLM-13.5-5X500Q 3750W Pneumatic Quartz Light Mast**

**Lamp Type:** (5) dual bulb quartz lamp heads

**Watts:** 3750 (5 x 750)

**Lumens:** 78,750

**Amps:** 31.25

**Length:** 5 feet - 13.5 feet

**Weight:** 35 lbs.

**Capacity:** 75 lbs.

**Materials:** Aluminum

**Sections:** (4) 3.9' sections

**Diameter:** 3.1-3.5", 2.5-2.76", 1.9-2.2", 1.3-1.7"

**Operation:** Pneumatic - 220V Electric Air Compressor

**Threaded Fittings:** M13 x 1.50

**Mounting:** Square, Four Hole Bracket

**Shipping:** Common Freight

**Shipping Weight:** 60 lbs.

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

**Quick Summary**

5-13.5 Ft Light Mast

Aluminum Construction

Pneumatic Operation

Removable Mast Head

Independently Adjustable Lamps

**Special Orders- Requirements**

Contact us for special requirements

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**The Larson Electronics PLM-13.5-5X500Q 3,750 Watt Pneumatic Light Mast provides a safe and effective way for operators to quickly deploy five 750 watt quartz lights to elevations up to 13.5 feet in height. Producing 52,500 lumens, this pneumatic mini light tower effectively covers large work areas with quality illumination.**

This rugged telescoping pneumatic mini light tower is designed to allow operators to quickly and safely deploy the 52,500 lumen wide flood beam in locations where this equipment must be elevated to heights up to 13.5 feet for effective application. This air powered light boom can be extended to 13.5 feet for maximum area coverage and collapsed to 5 feet to bring equipment closer to the target area as well as for transport and storage.

The tower is constructed of high strength, heat treated aluminum tubing for strength and durability. This tower is comprised of four sections, and includes a locking top mounting plate for easy removal of lights or cameras. The mast is elevated using an included 250 watt 220 Volt AC 50/60hz, 1/3 horsepower air compressor. An air release valve located at the base of this pneumatic mast allows operators to lower the tower. The 16/3 AWG wiring is internally routed, meaning no loose wiring when the tower is collapsed and no exposed wiring to fray or become damaged. The PML-13.5-NAC includes a three-wire internal wiring harness with 12 inches extending from both ends of the tower to allow easy

installation and connection.

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[Click Photo to Enlarge](#)

[Click Photo to Enlarge](#)

Included with this pneumatic mast are five of our wet area suitable 750 watt quartz light heads mounted to a removable mast head. Each light head is equipped with a 500W and 250W bulb producing 15,750 lumens, for a combined total of 78,750 lumens at 3750 watts. These light heads feature an push button switch, allowing operators to cycle through off, 250W, 500W, and 750W configurations. Each light head is independently adjustable, allowing operators to position each light head precisely for optimal beam spread. These lamps operate on 120V AC and draw 31.25 amps when operating all five units at 750W configuration.

These light masts are typically mounted to trailers or other stable surfaces via square mounting base-plate which has been drilled to accept four mounting bolts. This light tower weighs 35 lbs., and can easily support and lift 30 lbs. fixtures. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 6 feet long, 2 feet wide, 2 feet tall and weighs 60 lbs. Larson Electronics is a manufacturer and as such can custom tailor these units to the customer's requirements with longer sections and larger mounting plates.

**Suggested Applications:** Lighting and security camera deployment. We can also equip this mast with 1000W or 1500W Metal Halide lights or a wide variety of high powered LED lights with comparable power, including the [LEDLB-200X2E](#), [LEDLB-160X2E](#) or [LEDLB-80x2E](#).

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## Frequently Asked Questions (FAQ)

Links (Click on the below items to view):

- [ISO 9001 Certification](#)
- [Business Certificate](#)