Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

LM-20-3S-4X150RT-LED

600 Watt High Intensity LED Light Tower - Three Stage Mast - Extends up to 25 Feet - 70,000 Lumens

Product ID: 105895

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-20-3S-4X150RT-LED 600 Watt Three Stage LED Light Tower

Lamp Type: Cree LED
Lamps: (4) 150 Watt LED Fixtures
Mast Length: 10 feet - 20 feet
Weight: +-450 lbs
Shipping: Common Freight
Shipping Weight: +-800 lbs
Voltage: Universal 100-277 VAC, 50/60Hz
Total Watts: 600 W
Total Lumens: 70,000
Luminous Efficacy: 116.67 Lm/W
LED Lamp Life Expectancy: 60,000 Hours
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75 CRI
Lighting Configuration: Flood Pattern
Temp Rating: T5 -40°C to +65°C
Materials: Steel
Finish: Powder Coated - Gloss Blue
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements
Operation: (2) 2,500lbs Hand Winches, Electric Optional
Mounting: 1/4" thick, 13"x15" Six Bolt Hole Bracket
Cable: 3/16 Aircraft Cable

Quick Summary

ETL Listed US & Canada
10 to 20 Foot Light Mast
Steel Construction
Power Coated Finish
Removable Mast Head
125 mph Wind Resistance
Manual or Optional Electric Operation
LED Lamp Head Summary
UL 595 Rated for Marine Use
Multi-Bank Drivers for Failsafe Performance
Corrosion Resistant Aluminum Housing

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Wiring: 50` 16/3 SOOW Cable

Cord Cap: 5-15, 6-15, 5-20, 6-20, L5-15, L6-15, L5-20, L6-20, BS1363, Schuko, or Pigtail

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics LM-20-3S-4X150RT-LED fold over light mast provides a safe and effective way for operators to quickly deploy 600 watts of intense lighting to elevations up to twenty-five feet. The four 150 watt LED lamps 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-20-3S-4X150RT-LED telescoping steel light mast from Larson Electronics' is designed to quickly and safely deploy 600 watts of intense LED lighting in locations where elevated illumination is needed for maximum area coverage. This light boom can be extended to 20 feet for maximum area coverage and collapsed to 10 feet for applications where a footprint smaller is required. The tower is constructed of square steel tubing with a lower section 9.25 feet in length and 4 inches in diameter, a middle section 8.75 feet and 3.5 inches in diameter, and an upper section 8.63 feet in length and 3 inches in diameter. Each section has a 2 foot of overlap. The mast is elevated using an included 2,500 lbs hand winch with 3/16 inch cable and extended to its full height using a second 2,500 lbs winch.

Click Image to Enlarge

Click Image to Enlarge

Click Image to Enlarge

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. Included with this light tower are four of our wet area suitable GAU-HB-160LED high output LED fixtures producing a combined total of approximately 70,000 lumens at 600 watts. These lamps have a copper free aluminum alloy body that is powder coated for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 60,000 hour rated lifespan with 80% lumen retention. Each floodlight is securely fastened to the light boom and each lamp includes a support bracket to help maintain lamp stability within its housing. The lamps are connected to the power source via a water tight male pin connector that attaches to a receptacle located on the end of the telescoping boom.

Click Image to Enlarge

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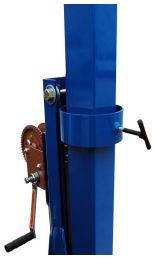

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The light heads on this unit features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twelve individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to operate.
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 easy 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 easy, and can typically be rotated with a single hand.

Click Photos to Enlarge

5-15 Straight Blade Plug
15 Amp / 125V Rated

L5-15 Twist Lock Plug
15 Amp / 125V Rated

L6-15 Twist Lock Plug
15 Amp / 250V Rated

UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse

Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded

Flying Leads / Pigtail Wires

Wiring and Plug: This LED light tower is equipped with 50 foot of 16/3 chemical and abrasion resistant SOOW cord from the mast head and is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-

15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V.
Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.
This light tower weighs approximately 300 lbs, can easily support and lift 150 lbs fixtures. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 12 feet long, 4 feet wide, 5 feet tall and weighs approximately 600 lbs. Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. For example, the LM-25 is another model that reaches to a length of 25 feet, with a 15 foot lower section and a 10 foot upper section and a 4 foot wide upper mounting bracket. We also offer a choice of either the manual 1,000 lbs hand winches included standard or optional electric winches.
Suggested Applications: Temporary lighting, construction sites, and security camera deployment. We can equip this mast with 1000W or 1500W Metal Halide lights or a wide variety of high powered LED lights with comparable power, including the LED10WSA-160, LEDLB-200X2E, LEDLB-160X2E or LEDLB-80x2E.

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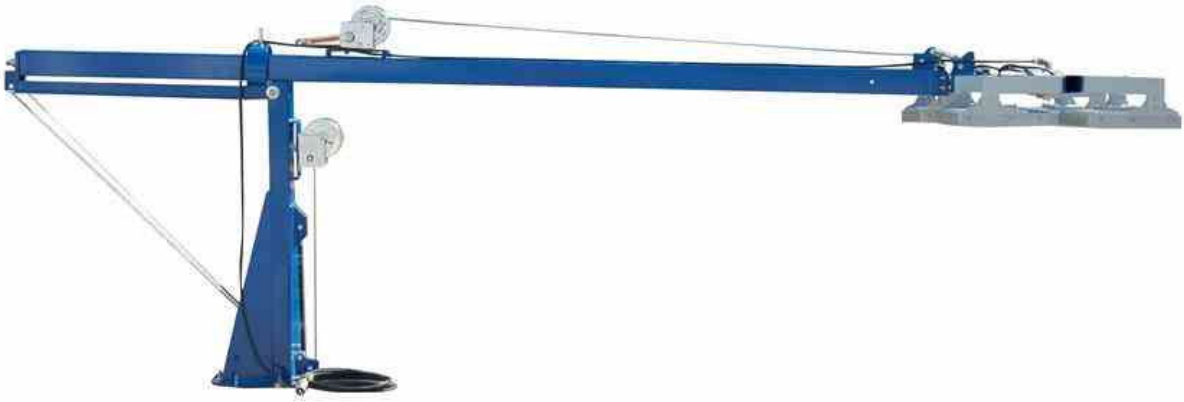
Frequently Asked Questions (FAQ)



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Product ID: 105895

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LM-20-3S-4X150RT-LED-Beam Config-Cord Cap

Example: LM-20-3S-4X150RT-LED-60DB-5.15

Beam Config	
60°	-60DB
125°	-125DB

Cord Cap	
5-15 STRAIGHT	-5.15
6-15 STRAIGHT	-6.15
5-20 STRAIGHT	-5.20
6-20 STRAIGHT	-6.20
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
L5-20 TWIST	-L5.20
L6-20 TWIST	-L6.20
UK BS1363	-BS1363
INTL SCHUKO	-SCHUKO
PIGTAIL	-PIGTAIL

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map