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-HA-17-8-3S-FM-4XWP60

240W Hydraulic Three Stage LED Light Tower -8-17' - 21,600 Lumens - 120VAC

Product ID: 144522

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-HA-17-8-3S-FM-4XWP60 Three Stage Hydraulic Telescoping LED Light Tower
Length: 8 feet - 17 feet
Weight: +-450 lbs
Capacity: 150 lbs
Materials: Steel
Finish: Powder Coated - Gloss Blue
Operation: Hydraulic
Cable: 3/16" Galvanized Cable

Light Head Information
Type: LED
Light Head Dimensions: W-9" D-3.25" H-6.5"
Light Head Dimensions: W-9" D-3.25" H-6.5"
Weight: 8.3 Lbs
Voltage: 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC
Total Watts: 240
Total Lumens: 21,600
Luminous Efficacy: 90 lm/w
LED Life Expectancy: 50,000+ hours
Color Temp: 5600K, 4000K, or 3000K
Color Rendering Index: 80
Beam Angle: 60° Vertical, 75° Horizontal
Lighting Configuration: Flood Beam
Power Efficiency: >95%
Power Factor: 0.992
Amperage: 0.5A @ 120V, 0.25 @ 240V, 0.22 @ 277V
Ambient Temp Range: -25°C to +60°

Quick Summary
8 to 17 Foot Light Mast
Steel Construction
Powder Coated Finish
Removable Mast Head
125 mph Wind Resistance
Hydraulic Operation
50,000+ Hour LED Life
ETL Approved for Wet Locations
IP68 Waterproof

Housing Material: Cast Aluminum
Lens Material: Polycarbonate

Mounting: 1/4" thick, 13"x15" Six Bolt Hole Bracket
Wiring: 25` 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

Shipping: Common Freight
Shipping Dimensions: 10`-L x 4`-W x 5`-H

Shipping Weight: +-1200 lbs

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

Special Orders - 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 LM-HA-17-8-3S-FM-4XWP60 from Larson Electronics is a 3-Stage Hydraulic Fixed Mount LED Light Tower that allows operators to provide illumination to large areas at elevations of up to seventeen feet. The light tower is equipped with four 60 watt LED light heads that each produce 5,400 lumens of lighting output for a combined total of 21,600 lumens while drawing only 240 watts via 120V AC voltage. The light tower folds over for easy transportation, features a rotating boom for 360° of rotation and a removeable mast head for storing the mounted LED lights when the tower is not in use. The included LED light heads on this hydraulic light tower equivalent to 500 watt quartz lights, but they are much more reliable. That increased reliability makes the LM-HA-17-8-3S-FM-4XWP60 ideal for applications that have a lot of vibration including vehicle mounted applications like road crews.

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

This telescoping three stage hydraulic steel light mast from Larson Electronics is designed to allow operators to quickly and safely deploy 21,600 lumens of high-intensity LED lighting in locations where this equipment must be elevated to heights up to 17 feet for effective coverage. This light boom can be extended to 17 feet for maximum area coverage and collapsed to 8 feet for applications where a footprint smaller is required. The tower is constructed of square steel tubing with a 3/8" square steel base stage 67.5 inches in length and 4 inches in diameter, 1/8" square steel middle stage 68.25 inches in length and 3 inches in diameter, and a 1/8" square steel top stage 75.25 inches in length and 2 inches in diameter. The mast is elevated using hydraulics. The base stage and middle stage are raised via a hydraulic ram. The top stage is then raised via a cable system that is triggered by the action of the hydraulic ram. No manual winch is required at any point of the elevation process which makes operation convenient and easy.



Click Image to Enlarge



Click Image to Enlarge



Click Image to Enlarge

Light Head Information: The LM-HA-17-8-3S-FM-4XWP60 3-Stage LED Hydraulic Light Tower is equipped with four of the Larson Electronics LEDWP-600E LED high output light heads.

The LEDWP-600E LED light head from Larson Electronics produces a long flood beam of light while drawing only 0.5 amps at 120V AC. The light assembly consists of six LEDs paired with high purity specular optics to produce a wide light distribution overpowering that of a 500 watt quartz flood lights. This light is constructed of three angled boards that helps provide a wider spread. Instead of the light only shining forward, the center board is concentrated to go straight out while the boards on the side are 45° offset. The

LED light heads on this hydraulic tower are designed to withstand demanding conditions and is waterproof, vapor proof, and built to resist the damaging effects of an outdoor environment.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

The LEDWP-600E consists of six LEDs housed within a waterproof aluminum housing that is powder coated for added durability and resistance to corrosion. The housing incorporates integral cooling fins for efficient heat dissipation and increased LED longevity. The LED lamp assembly is protected by a shatterproof polycarbonate lens which is secured to the housing with a waterproof seal. A 1/2" waterproof connector provides a secure and sealed power connection point and rounds out this unit`s weather resistant construction. An optional glare shield is shipped with this light.
The light heads on the LM-HA-17-8-3S-FM-4XWP60 are securely mounted to the mast head of the tower via stainless steel coated brackets and stainless steel mounting hardware which both provide rust and corrosion resistance. In addition to the 360° rotation provided by the tower itself, the light head mounting assembly provides for 360/180 degrees of rotation and tilt to allow the user to position the unit as desired once mounted and provide more precise lighting adjustment for the operator. This unit is designed to operate with voltages ranging from 110V AC to 277V AC 50/60 Hz or 11-25V AC/DC, providing versatile power connection options. The LM-HA-17-8-3S-FM-4XWP60 provides an efficient and highly durable alternative to standard quartz light towers that produces a longer reaching beam while using only a fraction of the power.



Warehouse illuminated by the LEDWP-600E

Click Photo to Enlarge



LEDWP-600E mounted 15` high illuminating a 30` long by 50` wide parking area.

Click Photo to Enlarge

With the LEDWP-600E there is no warm up period, the light can be cycled on and off without any reduction in lamp life, there is no glass or filament to shatter or break, and the solid state LED design provides 50,000 hours of operation.
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed

work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

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 cart mounted LED flood lighting system is equipped with 25 foot of 16/3 chemical and abrasion resistant SOOW cord that 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.
Tower Information: 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 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 mounted light fixtures or equipment.

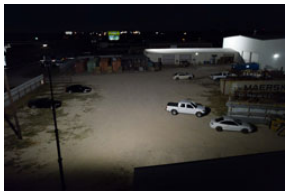
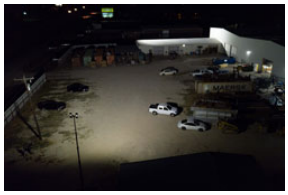
Images Below Show Light Tower Lowered and Raised to 30ft.






Click Images to Enlarge



Lamps Off (Ambient Light) **(4) 60 Watt LED Lamps Turned On Illuminating Wall 200ft. Away (20,000+sq.ft. area)**



Area from Above

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. When lowered to 8 feet, the mast can withstand winds up to 125 mph.
This light tower weighs approximately 450 lbs, can easily support and lift 150 lbs fixtures. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 10 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. For example, the LM-30-3S is another model that reaches to a length of 30 feet, with a 14 foot lower section, 12 foot middle section, and a 8 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.

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.
15. California Title 24 Compliant

Suggested Applications: Temporary lighting, construction sites, vehicle mounted operations, road crews, fire trucks, emergency services, outdoor work sites and any other large areas that require bright and consistent illumination.
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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

Frequently Asked Questions (FAQ)

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-HA-17-8-3S-FM-4XWP60

Product ID: 144522

Export Control Classification Number (ECCN): EAR99

Options:

LM-HA-17-8-3S-FM-4XWP60-Color Temp-Cord Cap

Example: LM-HA-17-8-3S-FM-4XWP60-30K-5.15

Color Temp	
3000K	-30K
4000K	-40K
5600K	-56K

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**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**