

HAL-LEDTH-150W-LED

150W Explosion Proof LED Light Tower - 17500 Lumens - 11-25V AC/DC - Trailer Hitch Mounted
Product ID: 50821

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.

HAL-LEDTH-150W-LED Explosion Proof Trailer Hitch Mounted LED Light Tower

Listing: United States - Canada

Lamp Type: Cree LED

Dimensions: 14"W x 16"H x 5"D - Light Head - 3' to 8.5' Extendable Tower

Weight: 25 lbs

Voltage: 11-25V AC/DC

Total Watts: 150W

Total Lumens: 17,500

Luminous Efficacy: 116.67 Lm/W

Lamp Life: 60,000+ Hours

Color Temp: 5000K, 4000K, 3000K

Color Rendering Index: >75 CRI

Beam Angle: 60°, 125° or 140°

Lighting Configuration: Flood Pattern

Power Efficiency: >95%

Power Factor: 0.992

Ambient Operating Temp Range: -50°C to +65°C

Operating Temp Rating: T5

Lamp Housing Material: Copper Free Cast Aluminum

Lamp Housing Finish: Epoxy Powder Coated - Grey

Lens Material: Hardened Borosilicate Glass

Gasket Material: Silicone

Tower Material: Non-Sparking Aluminum

Tower Finish: Powder Coated - Gloss Blue

Mounting: Trailer Hitch Mount Adjustable Tower

Wiring: 25' 16/3 SOOW w/ Trailer Connector

Ratings/Approvals

Listed for United States and Canada

Class I, Division 2, Groups C and D

Class II, Divisions 1 & 2, Groups E,F,G

Class III, Divisions 1 & 2

Certified to UL 844 Ed. 13

Certified to UL 1598

Certified to C22.2 No. 137 Rev 2009

Certified to C22.2 No. 250.0

T5 Temperature Rating

Paint Spray Booth Approved

IEC 60529 Tested

IP67 Rated Waterproof

LEL Approved

Multiple Driver Banks

80% Lumen Retention after 60,000 Hours

Factory Sealed Light Fixture

Eight Trailer Connectors to Choose From

25 Foot 16/3 SOOW Cord

Trailer Hitch Mount Tower 3' - 8.5' Feet

Direct Replacement for 400W MH Lights

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Connectors: Battery Clamp, Ring Terminal, Cigarette Plug, 4-Pin Flat, 4-Pin Round, 6-Pin Round, 7-Pin Round, 7-Pin Flat

E-mail: sales@larsonelectronics.com

Made in the USA

The HAL-LEDTH-150W-LED from Larson Electronics is a Trailer Hitch Mounted Light Tower is a telescoping pole that allows operators to elevate their light source from 3 to 8.5 feet. The HAL-LEDTH-150W-LED Trailer Hitch Mounted Explosion Proof LED Light Tower produces 17,500 lumens of light capable of illuminating an area 9,500 square feet in size. This adjustable Cree LED light tower is designed for portability and durable operation and ideal for use in demanding conditions within Class I Division 2 and Class II Divisions 1 & 2 environments.

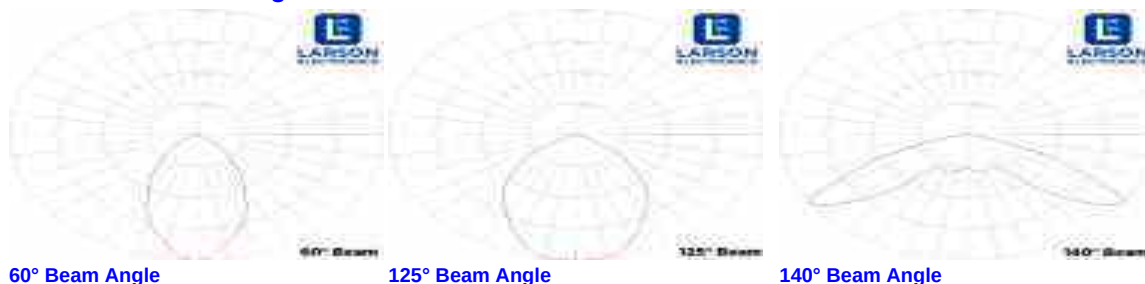
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS, LIGHT TOWERS OR QUADPODS

The HAL-LEDTH-150W-LED is a trailer hitch mounted explosion proof LED light that provides 9,500 square feet of work area coverage with 17,500 lumens of light output. This portable LED trailer hitch light has a removable LED light head measuring 14 by 16 inches mounted on top of a extendable aluminum pole conveniently positioned onto of a removable hitch mounted bracket for easy positioning of the unit from one work-space to another. The LED light head on this unit produces a wide flood pattern of light that is ideal for illuminating enclosed areas such as tanks and containers and is suitable for hazardous locations where flammable vapors, gases and dusts may be present.

The trailer hitch mounting system on this unit consists of a trailer hitch bracket which in turn holds the extendable aluminum light tower. The light tower is extendible from 3' to 8.5' and the entire system mounts to standard hitch receivers via the standard push bolt and locking pin used on most commonly used trailer hitch receiver mounts. This tower is light weight and can be collapsed and easily stowed behind pickup seats or in the back seat of a car, making it a very versatile yet powerful lighting option for those requiring a quickly and easily deployed light source.

The explosion proof LED light fixture 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.

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Beam Angles: When used as a portable lighting solution, the varying beam angles are each individually ideal for several environments. The 60° beam provides the most intense beam of the three options. It is perfect for narrow, confined spaces and is ideally suited for tank cleaning purposes. It offers focused light to provide ample illumination to tight work spaces and other environments. The 125° beam offers a more diffused source of light that is also less intense in brightness. It is a great general area work light and performs well when used for outdoor illumination. The 140° beam offers a very wide lighting pattern and is ideal for situations where lighting distance is not a concern, but illumination of a wider area and even light distribution is. The 140° beam is great for situations that call for working in close proximity to light such as in a paint booth.

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.

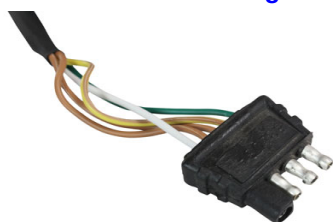
Safety within the workplace is another benefit of LED work lights and temporary lighting. All light sources produce heat. With traditional work lamps, such as metal halide and high pressure sodium light sources, the lamp reaches high surface temperatures. These surface temperatures introduce a burn risk to anyone to anyone that allows prolonged skin contact with the light source, as well as a fire hazard if a flammable material is accidentally set too close to the light source for an extended period of time. While LED fixtures do still produce heat, they are designed with heat sinks to properly disperse the heat. The LED light assembly is engineered to disperse and expel this heat quickly and efficiently, keeping the lamp cooler than traditional light sources. This LED work light operates at a lower surface temperature than a comparable model with traditional light source, and thus does not present a significant burn risk if an operator or bystander accidentally brushed up against an exposed lamp, and reduce the fire hazard should they fixture accidentally come in contact with a flammable material for a short period of time. This significantly increases the safety within the work environment.

The LED light head on this unit measures 14 by 16 inches which allows it to fit through most standard size manholes and entry points. The LED light head can be removed from the quadpod, the quadpod collapsed, and the entire assembly passed through a manhole and reassembled once inside.

This light is a low voltage version of this LED fixture that operates on AC/DC voltages from 11-25 Volts. The LED light assembly on this aluminum quadpod produces 17,500 lumens with a color temperature of 5000K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. We also offer a 3000K warm white and 4000K natural white color temperature options (longer lead times may apply for non-standard temperatures). This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The cast aluminum body and LED lamp give this light excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LEDs and electronics. The light head can be removed and used separately from the extendable aluminum pole for added convenience.

Connectors: There are several connecting cords to choose from with this unit which add to this unit's portability and convenience.

[Click Photos to Enlarge](#)



4-Pin Flat Connector

[Click Photos to Enlarge](#)



4-Pin Round Connector



6-Pin Round Connector



7-Pin Round Connector



7-Pin Round RV Connector

Choose from the ordering options below:

- 16' [Straight Cord Battery Clamp Connector](#)
 - 16' [Straight Cord Ring Terminal Connector](#)
 - 16' [Straight Cord 12V Cigarette Socket Plug-In](#)
 - 16' [Straight Cord 4-Pin Trailer Connector](#)
 - 16' Straight Cord 4-Pin Trailer Connector
 - 16' Straight Cord 6-Pin Trailer Connector
 - 16' Straight Cord 7-Pin Trailer Connector
 - 16' Straight Cord 7-Pin RV Connector
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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.

Made in USA Quality

1. Approved Class I Div1-2 Class II Div I-2
2. Led lamp head requires no lamping and simply slides on the quadpod and is locked into place with a hand tightened set screw.
3. Quadpod constructed of corrosion resistant aluminum.
4. No ballast box. No ballast to replace.
5. Extreme long life LEDs reduce maintenance and replacement costs.
6. Trailer hitch mount w/ 3 - 8.5' extendible aluminum pole.
7. 25 peel off mylar overspray lamp protectors ship with the unit.
8. 17,500 Lumens produced from only 150 watts.
9. Mercury free shock proof LED lamp light head.

Superior LED Benefits

1. 50,000+ hour lifespan.
2. Can SAVE 50% or more on energy.
3. 100% recyclable.
4. No toxins-lead, mercury.
5. No UV light, infrared radiation or CO2 emissions.
6. Bright, even light maintains consistent color over time.
7. Instant on/off - No flickering, delays or buzzing.
8. Very good color rendering.
9. Vibration/impact resistant.
10. Significantly cooler operation.
11. Less frequent outages, higher output improves workplace safety.



Frequently Asked Questions (FAQ)



HAL-LEDTH-150W-LED

Product ID: 50821

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

HAL-LEDTH-150W-LED-Beam Config-Cord Cap

Example: HAL-LEDTH-150W-LED-60DB-Batt Clmp

Beam Config	
60°	-60DB
125°	-125DB
140°	-140DB

Cord Cap	
BATTERY CLAMP	-Batt Clmp
RING TERMINAL	-Rng Term
CIGARETTE PLUG	-Cig plg
4-PIN FLAT	-4Flat
4-PIN ROUND	-4Round
6-PIN ROUND	-6Round
7-PIN ROUND	-7Round
7-PIN FLAT	-7Flat

Links (Click on the below items to view):

- [HigResPic1](#)
- [HigResPic2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)