

GAU-LTL-1000W-LED

1000 Watt High Intensity LED Light - 135,000 Lumens - 120-277V AC - High Mast / Stadium Lighting

Product ID: 152897

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.

GAU-LTL-1000W-LED High Mast LED Light

Lamp Type: CREE® LED

Dimensions: 49"-L x 12.46"-W x 3.54"-D

Weight: 78 Lbs

Total Watts: 1000

Total Lumens: 135,000

Luminous Efficiency: 135 lm/w

Beam Configurations: 10° Spot, 24° Wide Spot, 38° Narrow Flood, 60° Flood, or 90° Wide Flood

LED Color Temperature: Cool White - 5500-6500K

LED Life Expectancy: 80,000 hours

Optics Efficiency: 98% - PMMA High Transmittance Optics

Led Drive %: 90%

Voltage: 120-277V AC 50/60 Hz

Amp Draw: 6.25A @ 120V, 2.71A @ 277V

Wiring: 2.5" Pigtail w/ Flying Leads

Mounting: Flat Surface Trunnion Mount U-Bracket

Materials: Die Cast Aluminum Housing, PMMA Optics

Housing Color: Powder Coated Black

Ambient Temperature Range: -40°C to +80°C

Waterproof Rating: IP67

Quick Summary

2000 Watt Metal Halide Replacement

Ambient Op Temp -40C to +80C

Ideal for Light Towers & LED Retrofits

98% Transmission High Purity PMMA Optics

Multiple LED Banks for Heat Dispersion

135 Lumens Per Watt Efficiency

70% Lumen Retention after 80,000 Hours

UL1012 Compliant

UL60950-1 Compliant

CE Certified

RoHS Compliant

IP67 Rated Waterproof

Special Orders - Special Requirements

Contact us for special requirements

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The GAU-LTL-1000W-LED High Mast (Stadium) LED Flood Light offers intense

light output and is ideal for flood lighting, high mast lighting, light towers, as well as industrial and outdoor lighting applications. Producing 135,000 lumens, a 6.25 amp draw at 120V, 80,000 hour service life, 120-277V AC 50/60 Hz volt compatibility, and IP67 waterproof rating, this LED flood light provides operators with a rugged and powerful LED alternative to 1500 watt metal halide lamps that uses little power and can withstand rugged use and abusive conditions.

The GAU-LTL-1000W-LED LED light from Larson Electronics produces 135,000 lumens of high intensity light while drawing only 1000 watts at 6.25 amps from a 120 volt electrical system. Sixty CREE® high output LEDs producing 2250 lumens each are arranged in rows and paired with PMMA high purity optics to produce a well focused 24° wide spot beam that is ideal for providing far reaching concentrated illumination while still covering a substantial amount of area. We also offer optional optics with 10° spot, 34° narrow flood, 60° flood, and 90° wide flood beam spreads. The spot beams are tightly focused and are designed for high elevation mounting to achieve distance, making spot versions ideal for high mast and spots lighting. The flood beams are designed to provide more light over a larger area nearer the fixture, making flood versions ideal for use as dedicated work and area lights.



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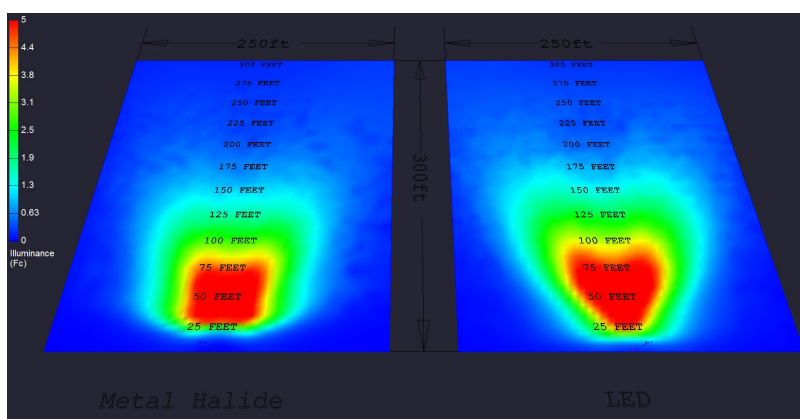


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[Click Photo to Enlarge](#)

GAU-LTL-1000W-LED lights are ideal replacements for fragile and hot running 2000 watt metal halide lamps. They offer low power requirements, high durability and a versatile mounting system that makes these LED light emitters a superior lighting solution for demanding applications where power and reliability is critical. The heavy duty design and high power of these LED lights also makes them suitable for a wide array of applications including but not limited to: high mast lighting, light towers, light plant LED retrofits, military, mining, industrial manufacturing, machine visioning, security and law enforcement, commercial structure illumination, sport complexes, billboards, race tracks, and parking lots to name a few.



[Click Photo to Enlarge](#)

The above image shows the comparison of the traditional (4) 2000 watt metal halides light fixtures mounted to a 30' light tower (left) to (4) GAU-LTL-1000W-LED 500 watt LED light fixtures mounted to a 30' light tower. The area being illuminated by each tower is 300' in length and 250' in width. Unlike the metal halide light fixtures, there are no hot spots with these LED fixtures. This high output LED light fixture provides an even beam spread over the targeted work area without overcast, glare, light spillage, and wasted illumination. Color rendering is also increased with LED light plants, providing a more realistic night vision that more closely resembles natural daylight illumination.

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.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units feature individual heat sinks per bank of six LEDs to control heat buildup rather than utilizing a single housing to dissipate heat. This allows for more thorough cooling of the LEDs for extended operating periods. This allows the LEDs to be driven at up to 90% capacity without overheating or visible loss of light output. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 80,000 hours.

Durability: As well as unparalleled heat control, the GAU-LTL-1000W-LED series of LED lights from Larson Electronics also offer IP67 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40° Celsius to +80° Celsius, are waterproof, and resist ingress of dust, dirt and humidity. The housings are formed from die cast aluminum and the optics are high transmission PMMA with 98% light transmittance. The CREE® LEDs help these units achieve resistance to vibrations and are rated at 70% lumen maintenance after 80,000 hours of use. We recommend these LED lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.

Voltage: This light is universal voltage capable and can be operated with 120-277V AC 50/60 Hz without modifications. This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The extruded 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.

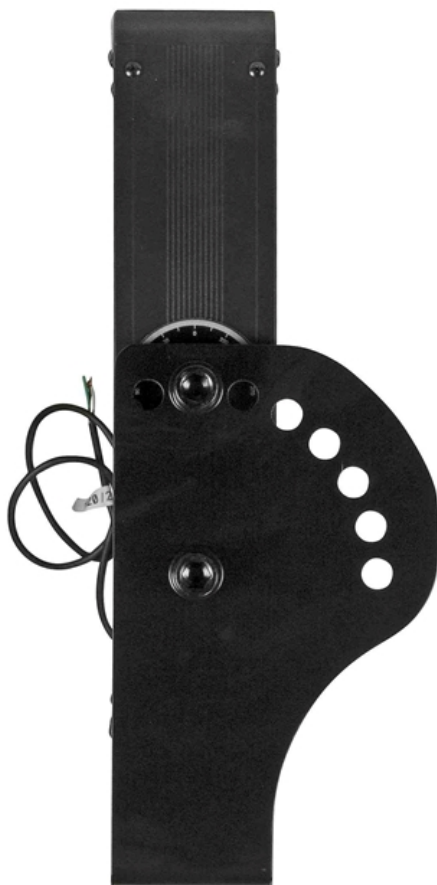
Mounting: Each unit is equipped with a back mount trunnion style mounting bracket that allows the light to be attached to flat surfaces and adjusted through 160° of vertical movement. To adjust the unit after mounting, the user simply loosens the set screws located on either side of the unit, moves it into the desired position, then re-tightens the screws. The base of the mounting trunnion is equipped with several machined slots which allow users to utilize existing mounting holes and slide the unit for precise mount positioning.



Frequently Asked Questions (FAQ)









GAU-LTL-1000W-LED

Product ID: 152897

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

GAU-LTL-1000W-LED-Beam Angle-Color Temp

Example: GAU-LTL-1000W-LED-10SP-50K

Beam Angle	
10° SPOT	-10SP
24° WIDE SPOT	-24WS
38° NARROW FLOOD	-38NF
60° FLOOD	-60F
90° WIDE FLOOD	-90WF

Color Temp	
5000K	-50K
4000K	-40K
3000K	-30K

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [HigResPic10](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)