

**480W High Intensity LED Light - 64,800 Lumens - 120-277VAC - High Mast - High Frost - 120°
Beam**
GAU-LTL-500W-LED-OPQ-120DB



GAU-LTL-500W-LED-OPQ-120DB High Mast LED Light

Lamp Type: CREE® LED
Dimensions: 22.92"-L x 14.51"-W x 5.153"-D
Weight: 32.35 Lbs
Total Watts: 480
Total Lumens: 64,800
Luminous Efficiency: 135 lm/w
Beam Configurations: 120° 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 or 127-431V DC
Amp Draw: 5A @ 120V, 2.5A @ 240V, 2.67A @ 277V
Wiring: 2.5' Pigtail w/ Flying Leads
Mounting: Flat Surface Trunnion Mount U-Bracket
Lens: High Frosted Opaque
Materials: Die Cast Aluminum Housing, PMMA Optics
Housing Color: Natural Aluminum
Ambient Temperature Range: -40°C to +80°C
Waterproof Rating: IP67
Warranty: Yes - 5 Years

5 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

The GAU-LTL-500W-LED-OPQ-120DB 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 64,800 lumens, a 4.25 amp draw at 120V, 80,000 hour service life, 120-277 volt compatibility, and IP67 waterproof rating, this LED flood light provides operators with a rugged and powerful LED alternative to 1000 watt metal halide lamps that uses little power and can withstand rugged use and abusive conditions. This fixture features a high frosted opaque lens that removes `hotspots` associated with high powered LEDs.

Quick Summary

1000 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- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-498-3363

E-mail: sales@larsonelectronics.com

The GAU-LTL-500W-LED-OPQ-120DB LED light from Larson Electronics produces 64,800 lumens of high intensity light while drawing only 480 watts at 5 amps from a 120 volt electrical system. Forty-Eight CREE® high output LEDs producing 1,350 lumens each are arranged in rows and paired with PMMA high purity optics to produce a well focused 120° wide flood beam that is ideal for providing more light over a larger area around the fixture, making this light perfect for use as a dedicated work and area light.

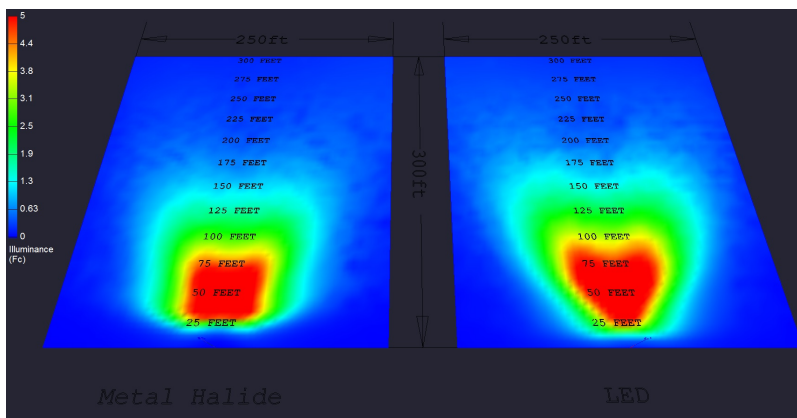


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GAU-LTL-500W-LED-OPQ-120DB lights are ideal replacements for fragile and hot running 1000 watt metal halide lamps. They offer low power requirements, high durability and a versatile mounting system that makes these LED light emitters a superior lighting 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.



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The above image shows the comparison of the traditional (4) 1500 watt metal halides light fixtures mounted to a 30` light tower (left) to (4) GAU-LTL-500W-LED-OPQ-120DB 480 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. A high frost opaque lens added to the front of the fixture creates a heavy diffusion which removes the `hotspots` associated with high powered LEDs. This frosted lens makes the light output more even and does not affect eyesight as severely if looked directly into. 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.

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-500W-LED-OPQ-120DB 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.



In-use Image of GAU-LTL-500W-LED-OPQ-120DB Mounted

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.

Options:

GAU-LTL-500W-LED-OPQ-120DB-Color Temp

Example: GAU-LTL-500W-LED-OPQ-120DB-50K

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

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