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GAU-LTL-750W-LED-VIR-OPQ

540W High Intensity Visible/Infrared LED Light - 120-277V AC - IP67 Waterproof - High Frost

Product ID: 291105

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-750W-LED-VIR-OPQ High Mast LED Light
Listing: -
Lamp Technology: Infrared and Visible Light LED
Dimensions: 49"-L x 12.46"-W x 3.54"-D
Weight: 78 lbs
Lamp Configuration: (36) 10W White LEDs and (36) 5W Infrared LEDs
Voltage: 120-277V AC or 127-431V DC (Optional)
Frequency: -
Total Watts: 540W
Total Watts for White Light: 360W
Total Watts for Infrared Light: 180W
Total Lumens: -
Luminous Efficacy: 100 Lm/w
Lamp Life: 80,000+ Hours
Visible Light Color Temperature Options: 5000K, 4000K or 3000K
IR Wavelength Options: 750 nm, 850 nm or 940 nm
Color Rendering Index: -
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Configurations: 10° Spot, 24° Wide Spot, 38° Narrow Flood, 60° Flood or 90° Wide Flood
Optics Efficiency: 98% - PMMA High Transmittance Optics

Quick Summary
Ambient Op Temp -40C to +80C
Ideal for Light Towers & LED Retrofits
98% Transmission High Purity PMMA Optics
Multiple LED Banks for Heat Dispersion
RoHS Compliant
IP67 Rated Waterproof
NRTL Certified to UL1012 Compliant
NRTL Certified to UL60950-1 Compliant
CE Certified

LED Drive %: 90%

Power Efficiency: -

Power Factor: -

Operating Mode: Visible Light Only, Infrared Light Only or Visible and Infrared Light Simultaneously

Amperage: 4.5A @ 120V AC, 2.59A @ 208V AC, 2.45A @ 220V AC, 2.25A @ 240V AC, 1.94A @ 277V AC

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

Temp Rating: -

Housing Material: Die Cast Aluminum Housing, PMMA Optics

Hardware/Hub Material: -

Lens Material: High Frosted Opaque

Mounting: Flat Surface Trunnion Mount U-Bracket

Wiring: 2.5` Pigtail w/ Flying Leads - Individual Wires for Controlling Visible Light and Infrared Light Separately

Housing Color: Powder Coated Black

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics GAU-LTL-750W-LED-VIR-OPQ High Intensity Visible/Infrared LED Light is designed for use in outdoor work sites. This 540-watt LED lamp provides operators with a rugged and powerful LED alternative to traditional fixtures, consumes little power and can withstand rugged use and abusive conditions. Capable of generating both visible white light and infrared light, the unit has two separate power connections for lighting control. This fixture features a high frosted opaque lens that removes `hotspots` associated with high powered LEDs. The GAU-LTL-750W-LED-VIR-OPQ from Larson Electronics is a 540-watt infrared and visible light lamp for outdoor locations. A total of 36, 10-watt white LEDs are available for visible light illumination. The unit has 36, 5-watt infrared LEDs for infrared lighting. This LED emitter produces 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, 38° 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. GAU-LTL-750W-LED-VIR-OPQ lights 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. Choices for infrared wavelengths include the following: 750 nm, 850 nm or 940 nm. Color temperature options for visible light includes: 5000K, 4000K or 3000K. **Durability:** As well as unparalleled heat control, the GAU-LTL-750W-LED-VIR-OPQ 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. We recommend these LED lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.

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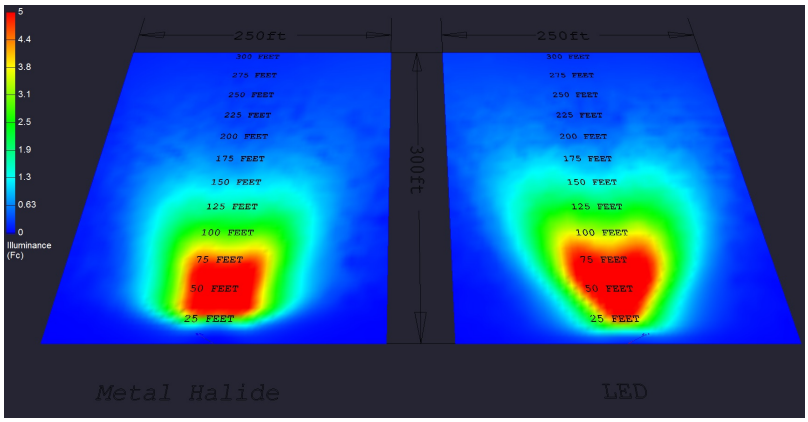

Click Photo to Enlarge

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-750W-LED-VIR-OPQ 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. 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.

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.
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.
Wiring: This system comes with individual wiring for controlling visible light LEDs and infrared light LEDs separately. Operators can use visible light only, infrared light only or both visible and infrared lights simultaneously.
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.
Applications: Outdoor locations, inspections, NDT, security systems, nighttime observation, camera surveillance and more.
Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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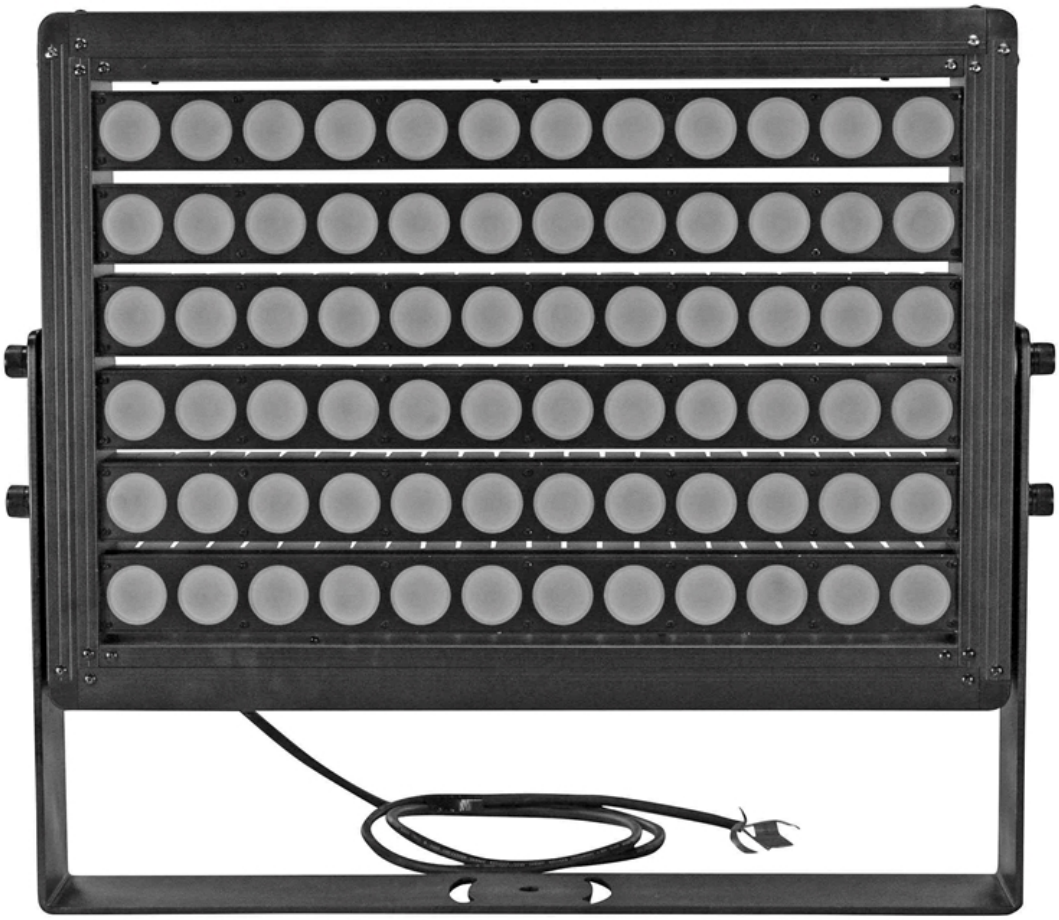
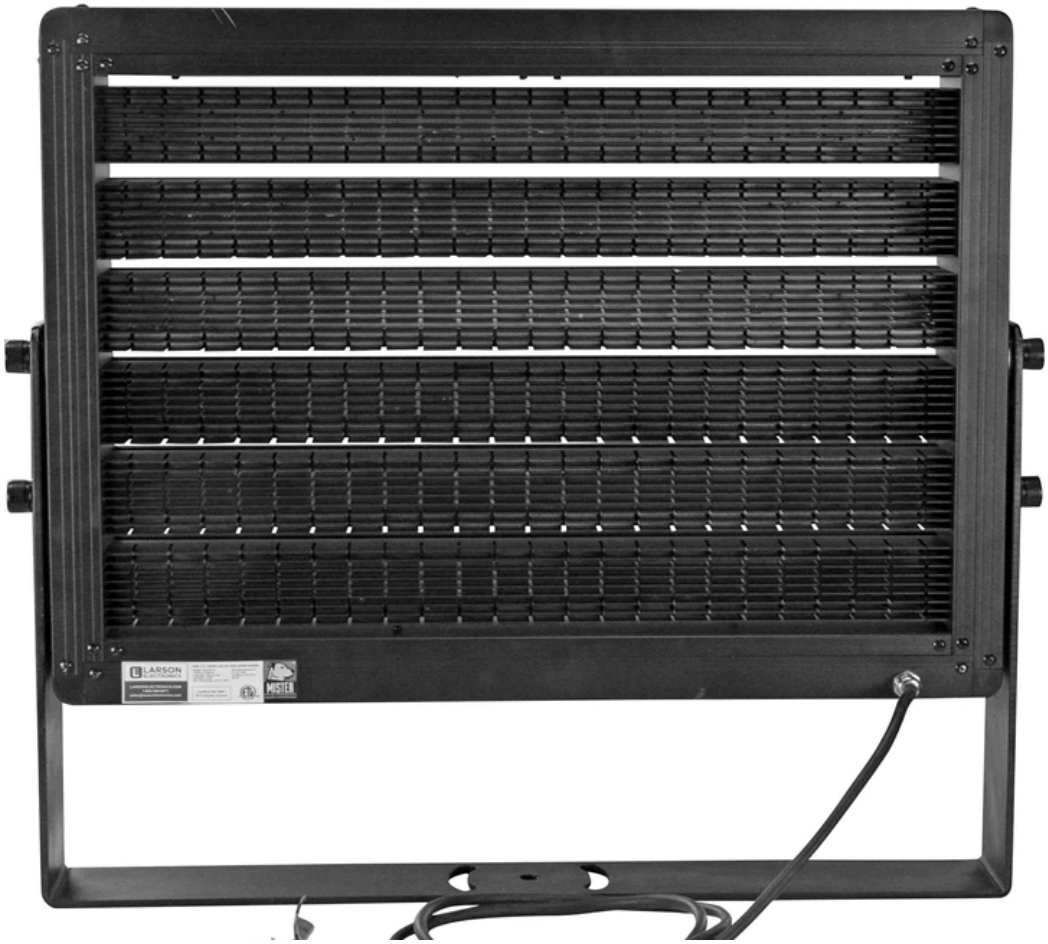
Frequently Asked Questions (FAQ)









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Product ID: 291105

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

GAU-LTL-750W-LED-VIR-OPQ-Beam Config-Infrared Wavelength-Visible Light Color Temperature

Example: GAU-LTL-750W-LED-VIR-OPQ-10SP-750NM-50K

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

Infrared Wavelength	
750 NM	-750NM
850 NM	-850NM
940 NM	-940NM

Visible Light Color Temperature	
5000K	-50K
4000K	-40K
3000K	-30K

Links (Click on the below items to view):

- **Eye Safety Information/Certificate**
- **Operations Manual**
- **Spectrum Curve (Wavelength Graph)**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**