



#### **GAU-LTL-UVA-500W-LED UV LED Light**

**Lamp Type:** CREE® LED

**Dimensions:** 22.92"-L x 14.51"-W x 5.153"-D

**Weight:** -

**Voltage:** 120-277V AC or 127-431V DC

**Total Watts:** 160W

**LED Life Expectancy:** 80,000 hours

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

**UV Wavelength:** 365 NM

**Optics Efficiency:** 98% - PMMA High Transmittance Optics

**LED Drive %:** 90%

**Amp Draw:** 1.3A @ 120V, 2.6A @ 240V, 3.07A @ 277V

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

**Mounting:** Flat Surface Trunnion Mount U-Bracket

**Materials:** Die Cast Aluminum Housing, PMMA Optics, Acrylic Lens

**Wiring:** 2.5' Pigtail w/ Flying Leads

**Housing Color:** Natural Aluminum

**Waterproof Rating:** IP67

#### **Quick Summary**

UV Metal Halide Replacement

Ambient Op Temp -40C to +80C

98% Transmission High Purity PMMA Optics

Multiple LED Banks for Heat Dispersion

70% Lumen Retention after 80,000 Hours

UL1012 Compliant

UL60950-1 Compliant

CE Certified

RoHS Compliant

#### **Special Orders- Requirements**

Contact us for special requirements

**Phone:** 1-214-616-6180

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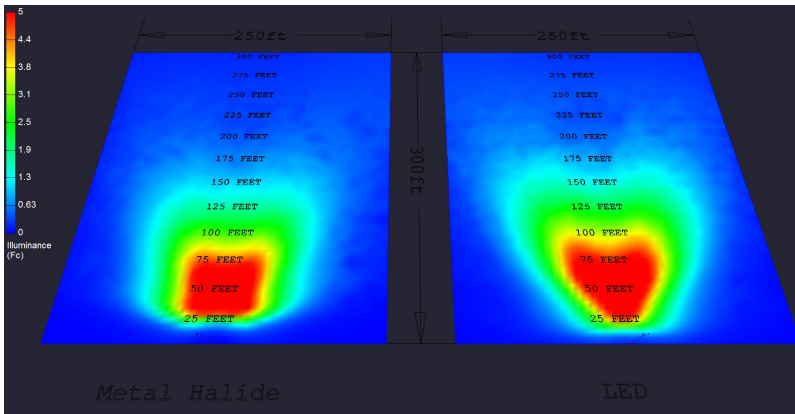
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**The GAU-LTL-UVA-500W-LED UV LED Flood Light offers intense UVA light output for industrial applications. Equipped with an acrylic lens, a 1.3 amp draw at 120V, 80,000-hour service life, 120-277 volt compatibility, and an IP67 waterproof rating, this UV LED flood light provides operators with a rugged and powerful LED alternative to UV metal halide lamps that uses little power and can withstand rugged use and abusive conditions.**

The GAU-LTL-UVA-500W-LED LED light from Larson Electronics produces UVA illumination with a 365nm wavelength while drawing only 160 watts at 1.3 amps from a 120 volt electrical system. Fifty 10-watt CREE® high output LEDs producing 3.2 watts of radiance 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, 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, making flood versions ideal for use as dedicated work and area lights.

GAU-LTL-UVA-500W-LED lights are ideal replacements for fragile and hot running UV 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.



[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-500W-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.

**Heat Management:** Heat is the single largest factor in premature LED failure and color shifting. These UV 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 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. Equipped with an acrylic lens, 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 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.

**Applications:** Non-destructive testing (NDT), UV illumination, inspections, labeling, quality control, investigations, packaging, mineral inspection, industrial sites, outdoor locations and more.

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](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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**Options:**

-Beam Config

Example: -10SP

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

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