Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

GAU-LTL-200W-LED-HB-RMB

200 Watt High Intensity LED Light - High Temp Hot Box - 27,000 Lumens - 120-277V - High Mast Lighting - Outdoor Rated

Product ID: 278690



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-200W-LED-HB-RMB High Mast LED Light
Lamp Type: Cree LED
Dimensions: 12.60"-L x 9.77"-W x 5.07"-D
Weight: 13.3 lbs
Total Watts: 200
Total Lumens: 27,000
Luminous Efficiency: 135 lm/w
Beam Configurations: 10° Spot, 24° Wide Spot, 38° Narrow Flood, 60° Flood, or 90° Wide Flood
LED Color Temperature: 6500K, 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, or 2700K
LED Life Expectancy: 80,000 hours
Optics Efficiency: 98% - PMMA High Transmittance Optics
Led Drive %: 90%
Voltage:120-277 V AC, 50/60 Hz
Amp Draw: 1.25 A @ 120 V, 0.625 A @ 240 V, 0.54 A @ 277 V
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
400 Watt Metal Halide Replacement
Ambient Op Temp -40°C to +80°C
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
NRTL Certified to UL1012
NRTL Certified to UL60950-1
CE Certified
RoHS Compliant
IP67 Rated Waterproof
Designed for Use in 90°C Environments

Special Orders- Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The GAU-LTL-200W-LED-HB-RMB from Larson Electronics is a High Mast LED High Temp Hot Box Flood Light that offers intense light output and is ideal for flood lighting, high mast lighting, light towers, as well as

industrial and outdoor lighting applications in locations where the temperature reaches 90°C. Producing 27,000 lumens, a 1.25 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 400 watt metal halide lamps that uses little power and can withstand rugged use and abusive conditions. The GAU-LTL-200W-LED-HB-RMB is designed for use with a remote ballast for hot box applications.

***Please note: Customer is responsible for providing wiring, providing ballast enclosures, and mounting the unit. ***

The GAU-LTL-200W-LED-HB-RMB LED light from Larson Electronics produces 27,000 lumens of high intensity light while drawing only 200 watts at 1.25 amps from a 120 volt electrical system. Sixteen Cree high output LEDs producing 1,687 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, 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-200W-LED-HB-RMB lights are ideal replacements for fragile and hot running 400 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.

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-200W-LED-HB-RMB 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.

Hot Box Application: This unit is designed for use with a remote ballast high temp operations commonly referred to as "hot box" applications. The remote ballast is included. The customer must take care of the ballast and mounting the ballast, commonly done in a ballast room, and run customer provided wire from the ballast to the lamp. Using a remote ballast allows the ballast to remain cool while the fixture itself is in a hot box application, extending the longevity of the ballast by not exposing it to heat which is the primary factor that shortens ballast lifespan. Having the ballast mounted remotely from the fixture reduces the weight of the fixture.

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.

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.



Frequently Asked Questions (FAQ)