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-HB-150W-LED-WP-M1-RED

150 Watt High Bay LED Light Fixture - 660nm - General Area Use - IP65 Waterproof

Product ID: 243033

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-HB-150W-LED-WP-M1-RED High Bay LED Light

Lamp Type: LED Engin LZ4 red LEDs
Dimensions: 16.93" OD, 6.18" H
Total Watts: 150W
Radiant Flux: 58W
Voltage: Universal 100-277V AC 50/60Hz
Wavelegnth: 660nm
Micromoles: 318 umol
Lighting Configuration: Flood Pattern
Lumen Efficacy: 120 lm/w
Mounting: 3/4" NPT Pendant Mount or Eyelet for Chain Hanging
Weight: 16 lbs
Temp Rating: -40°C to +65°C
LED Color: Red
Housing Materials: Aluminum
Housing Color: Black

Features

NRTL Listed for United States and Canada
NRTL Certified to UL 1598
NRTL Certified to C22.2 No. 250.0
IP65 Waterproof
Protected Against High Pressure Jets and Temporary Submersion

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

The Larson Electronics GAU-HB-150W-LED-WP-M1-RED Waterproof LED High Bay light fixture provides operators with a powerful and energy efficient alternative to traditional general area luminaries. LED technology and light weight design makes this lamp an excellent energy efficient

upgrade option for bulky and high maintenance cost fixtures.
This 150 watt LED high bay light fixture provides a radiant flux of 58W of high quality red light while drawing only 150 watts and is ideal for use in warehouses, garages, production lines and anywhere an effective and efficient general area lighting solution is needed. A polycarbonate lens protects the LED light assembly and the aluminum alloy body reduces weight compared to larger metal halide and high pressure sodium fixtures. A special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 100,000 hour rated lifespan with 80% lumen retention. A light 12 lbs weight and low profile make this unit an attractive and energy efficient alternative to larger and heavier older light fixtures and requires less hardware to install. This lamp uses (20) 7.5 watt LED Engin LZ4 red LEDs in a 660nm wavelength.

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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.
LED Drivers: Even in LED fixtures, heat is the single largest factor in premature light failure and color shifting. As a result, many manufacturers reduce the output of their LEDs in order to reduce the amount of heat produced. Rather than lower light output or quality, Larson Electronics addresses this problem with the addition of an electronic LED driver. This internal driver provides the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. This not only reduces the energy dissipation, effectively lowering the operating temperature of the fixture, but also prevents AC over-voltage and short circuit loading making this fixture virtually maintenance free. Because the electronic driver allows the GAU-HB-150W-LED-WP-M1-RED to run at a cooler internal temperature and regulates the electrical current, energy efficiency and LED service hours are maximized while at the same time reducing operating costs and downtime incurred from the frequent servicing intervals required with other hotter running lights.
The LED light fixture features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. With the GAU-HB-150W-LED-WP-M1-RED series of LED lamps from Larson Electronics, each LED fixture contains twelve individual LED boards configured in a series of six banks. Each bank contains two LEDs on a single board with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event of an LED failure, the mating LED will continue to operate.
Field Serviceability: This LED light fixture is field serviceable. All major internal components can be purchased from Larson Electronics and installed by a licensed electrician with basic tools. With most explosion proof fixtures, the fixture must be returned to the manufacturer for repair work, which presents downtime and long turn around times for repair work. Larson Electronics addresses this issue with the GAU-HB-150W-LED-WP-M1-RED series with field serviceability, allowing operators to perform service work without having to return the fixture to the manufacturer in the event of damage or failure.

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The pictures below, taken without a flash, were sent to us by a customer who had been using high-pressure sodium lights and was so impressed by the GAU-HB-150W-LED-WP-M1-RED lights that he sent Larson Electronics pictures to show how well the GAU-HB-150W-LED-WP-M1-RED lights lit his compression building.



Click Photo to Enlarge

Click Photo to Enlarge



Click Photo to Enlarge

This LED light is multi-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any need for a special ballast. The aluminum body and LED luminaries 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 LED luminaries. The LED light fixture produces a radiant flux of 58W of red light and a color rendering index of 85 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The LEDs used in this light use less energy and create less heat which reduces energy costs by lowering the amount of electricity needed to both illuminate and cool large areas.
Mounting: The GAU-HB-150W-LED-WP-M1-RED can be mounted via a 3/4" mounting hub or an eyelet for chain hanging.
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.

High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MV.
5. Retains 80% lumen output after 100,000 operating hours.
6. Powder coated aluminum fixture body.
7. Pendant or Cable mount options.
8. Low profile - Light weight
9. 58W radiant flux from only 150 watts

Superior LED Benefits

1. 100,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)





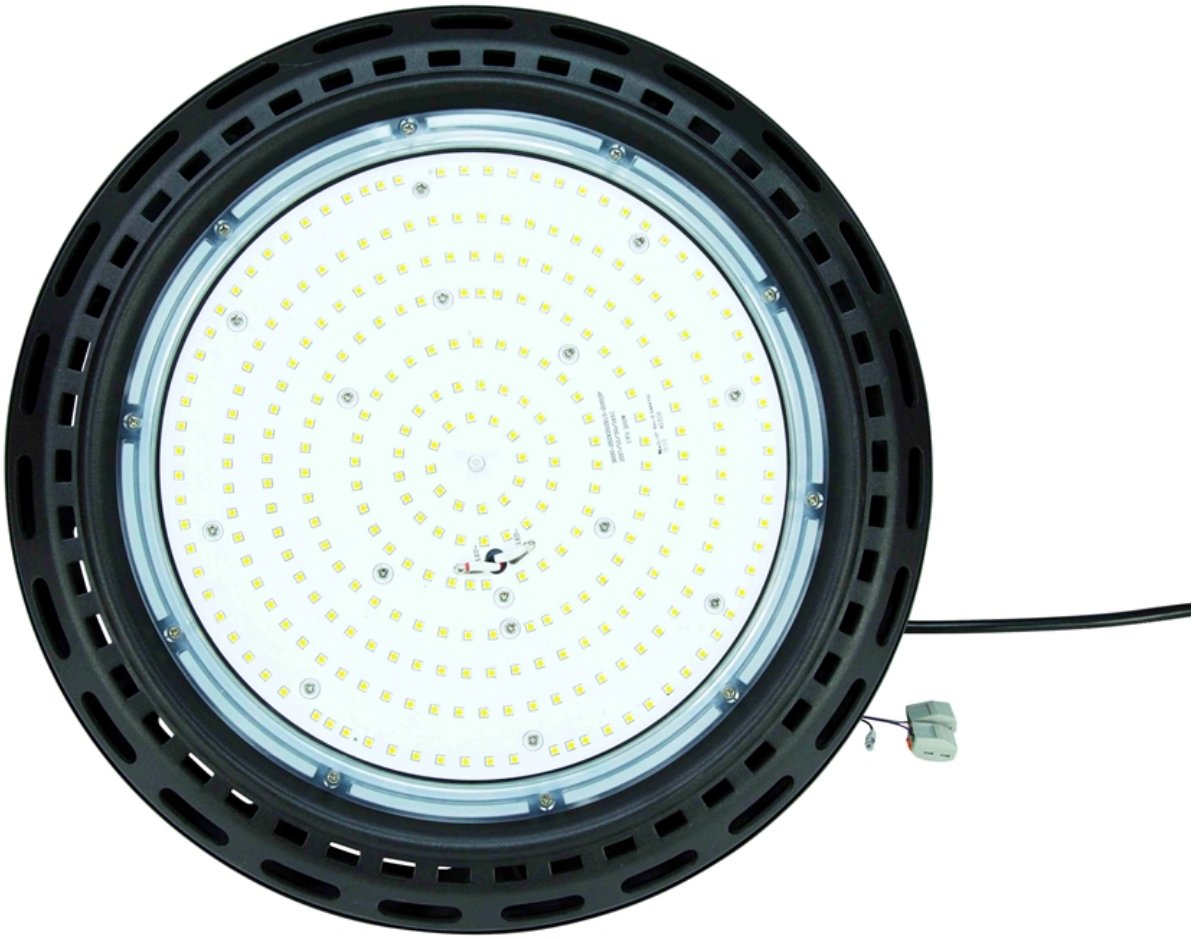
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Product ID: 243033

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**