

Industrial 100 Watt Ultraviolet UVB LED Light Fixture - Paint Spray Booth Approved - 300 Nanometer

Part #: GAU-HB-150LED-RT-UVB



The Larson Electronics GAU-HB-150LED-RT-UVB Industrial Ultraviolet light fixture provides operators with a powerful and energy efficient alternative to traditional luminaries with UV cutoff filters. LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older incandescent, metal halide and high pressure sodium lights. This fixture uses advanced LED light technology to produce ultraviolet light and for use in applications where UV lamps are used in paint and adhesive curing, food inspection or for non-destructive testing.

This industrial UV light fixture provides 30,000 mW of high quality ultraviolet light while drawing only 150 watts. This high output UV LED fixture provides a 4,000 $\mu\text{W}/\text{cm}^2$ center beam maximum intensity at 12" while providing a minimum 1,700 $\mu\text{W}/\text{cm}^2$ intensity over a 14" by 14" area. The GAU-HB-150LED-RT-UVB is typically used for curing coatings or adhesives and for non-destructive testing applications.

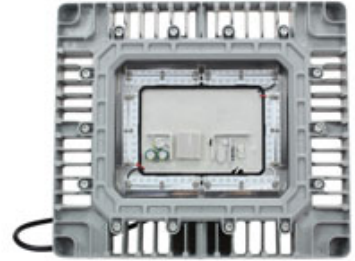
The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 50,000 hour rated lifespan with 80% intensity retention. Light weight and a low profile make this unit an attractive alternative to larger and heavier older fixtures and requires less hardware to install. This fixture can operate on voltages ranging from 120V-277V 50/60Hz and is ETL approved for use in wet environments and areas where UV lamps are used in paint and adhesive curing, food inspection, and for non-destructive testing.



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The industrial 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. This new series of LED lamps contains twelve individual LED boards configured in a series of banks. Each bank contains two LED boards 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 that of an LED failure, the mating LED will continue to operate.

The GAU-HB-150LED-RT-UVB uses ultraviolet LED light technology, a technology that is far better in energy saving than traditional fluorescent bulbs used for the same purposes. Traditional ultraviolet lights require a coating to block out visible light or a special composition of gases and chemicals used to create a higher concentration of ultraviolet light. This process, however, also produces many other wavelengths of light which go unused and end up as wasted energy. LED lights are unique in that they have a narrower wavelength band than traditional ultraviolet sources and therefore do not require these special coatings. As a result, LED lights do not produce unused, wasted light and therefore consume less energy than traditional UV lights on the market. LED lights have the added benefit of being capable of producing very specific wavelengths with tighter curves and are more durable and light weight as well. This eliminates harmful UV-B and UV-C wavelengths from being emitted from the light source, adding in productivity and safety during operation.

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

	<u>400W MH</u>	<u>150W LED</u>
Wattage	400 watts	150 watts
Amp Draw @ 120V AC	3.34 amps	1.25 amps
Amp Draw @ 24V DC	16.67 amps	5.00 amps
Lamp Life Expectancy	15,000	50,000+ Hours
Operation Cost per Year (8hs/day @ 11c/kWh)	\$138.12	\$48.18

The LED ultraviolet light fixture can be used for non-destructive testing in aviation and manufacturing, food processing and inspection, and in paint, coating, and adhesive curing. The GAU-HB-150LED-RT-UVB provides operators in industrial locations with a reliable and durable UV lighting solution that combines effective production of UV light with explosion proof protection and is applicable for leak detection, paint spray booths, ink, coatings, and adhesive curing, non-destructive testing, inspection, and food processing.

This light is universal voltage capable and can be operated with 100-277 VAC, 50/60Hz. We also offer a low voltage version of this LED fixture that operates on AC/DC voltages from 11-25 Volts. This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The cast aluminum body and LED lamp 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 LEDs and electronics.

This LED light produces 30,000 mW with a wavelength curve of 315-280NM. The GAU-HB-150LED-RT-UVB offers several mounting options including ceiling mounting, pendant mounting, wall mounting and cable mounting. The standard version of this explosion proof LED fixture includes a pendant mount and a surface mount option.

High Quality Features

Superior LED Benefits

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, MH.
5. Retains 80% intensity output after 50,000 operating hours.
6. Powder coated aluminum fixture body.
7. Pendant and Swivel Bracket mount included
8. Low profile - Light weight
9. 30,000 mW output from 150 watts.
10. 4,000 $\mu\text{W}/\text{cm}^2$ center beam maximum intensity & minimum 1,700 $\mu\text{W}/\text{cm}^2$ intensity covering a 14" x 14" area when measured at 12".

1. 50,000 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 LED 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.

Specifications / Additional Information

GAU-HB-150LED-RT-UVB - C1D1 Ultraviolet LED Light

Lamp Type: LED

Dimensions: 14"-H x 16"-W 5"-D

Total Watts: 150W

Total Intensity: 30,000 mW

Efficiency: 200 mW/w

Voltage: 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC

Mounting: 3/4" Pendant and Swivel Mount are both included with this fixture.

Weight: 32lbs

Lighting Configuration: Flood Pattern

Temp Rating: T5 -50C to +65C

Color: Ultraviolet B- 300NM

Wavelength Curve: 315-280NM - Peak @ 300NM

Lamp Life: 50,000+ Hours

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[Part #: GAU-HB-150LED-RT-UVB \(105960\)](#)

Ratings/Approvals

T5 Temperature Rating

Paint Spray Booth Approved

LEL Approved

IP67 Rated Waterproof

Multiple Driver Banks

80% Intensity Retention after 50,000 Hours

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

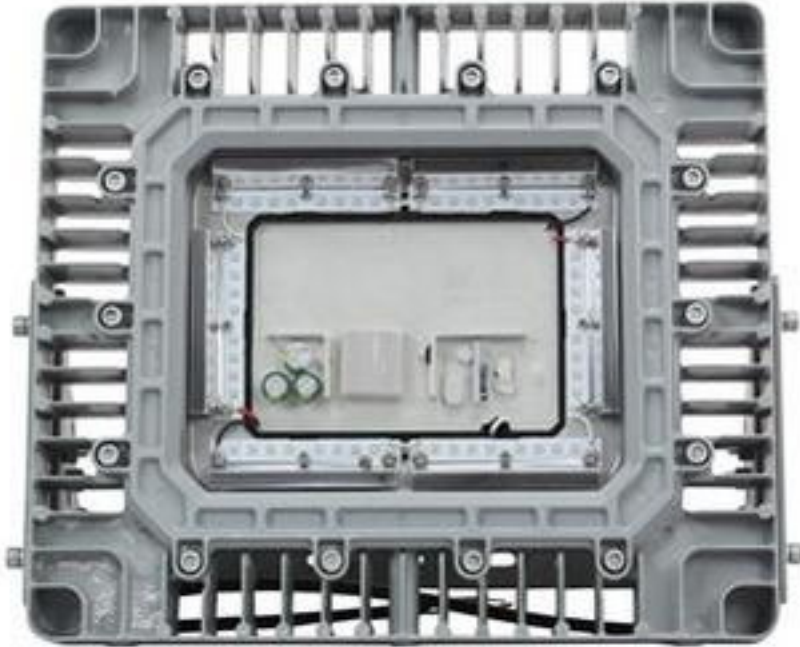
E-mail: sales@larsonelectronics.com

Options:

GAU-HB-150LED-RT-UVB- **VOLTAGE**

Example: GAU-HB-150LED-RT-UVB-1227

VOLTAGE	
120-277V AC	-1227
11-25V AC/DC	-1224









Links (Click on the below items to view):

- [Hi-Res Image 1 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Main\)](#)
- [Hi-Res Image 2 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Front\)](#)
- [Hi-Res Image 3 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Back\)](#)
- [Hi-Res Image 4 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Side\)](#)
- [Hi-Res Image 5 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Pendant Mounted\)](#)
- [Hi-Res Image 6 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Bracket 1\)](#)
- [Hi-Res Image 7 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Angle\)](#)
- [Hi-Res Image 8 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Bracket 2\)](#)
- [Hi-Res Image 9 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Back PND\)](#)
- [Hi-Res Image 10 - Industrial 100 Watt Ultraviolet UVB LED Light Fixture \(Front PND\)](#)