

**Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture - Paint Spray Booth Approved**

Part #: [EPL-HB-150LED-RT](#)



The Larson Electronics EPL-HB-150LED-RT Explosion Proof High Bay light fixture provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. 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 Class 1 Division 1 & 2, Class 2 Division 1 & 2 explosion proof light fixture provides 13,000 of high quality light while drawing only 150 watts. 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 60,000 hour rated lifespan with 80% lumen 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.

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The explosion proof 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.

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.

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.

**Energy Consumption Comparison**

	<u>Metal Halide</u>	<u>LED</u>
Wattage	400 watts	150 watts
Amp Draw @ 120V AC	3.83 amps	1.25 amps
Amp Draw @ 220V AC	2.09 amps	0.68 amps
Amp Draw @ 240V AC	1.92 amps	0.63 amps
Amp Draw @ 277V AC	1.66 amps	0.54 amps
Amp Draw @ 12V DC	38.33 amps	12.5 amps
Amp Draw @ 24V DC	19.12 amps	6.25 amps
Lamp Life Expectancy	20,000 hours	50,000+ hours
Operation cost per year (12hs/day @ 12c/kWh)	\$241.78	\$78.84

**Each LED light fixture has the potential to save \$150.00+ per year in electricity alone, not including maintenance costs, operational downtime, reduced productivity, HVAC loads, or carbon footprint. When retrofitting an entire facility with 100s of light fixtures, the return on investment of LED over metal halide becomes evident.**

This LED light produces 13,000 lumens with a color temperature of 5600K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. We also offer a 3000K warm white and 4500K natural white color temperature options (longer lead times may apply for non-standard temperatures). The EPL-HB-150LED-RT 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**

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% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Pendant and Swivel Bracket mount included
8. Low profile - Light weight
9. 13,000 Lumen output from 150 watts

**Superior LED Benefits**

1. 60,000 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****EPL-HB-150LED-RT - C1D1 High Bay LED Light****Listing:** United States - Canada**Lamp Type:** LED**Dimensions:** 14"H x 16"W 5"D**Weight:** 32 lbs**Voltage:** 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC**Total Watts:** 150W**Total Lumens:** 13,000**Luminous Efficacy:** 86.67 Lm/W**Lamp Life:** 60,000+ Hours**Color Temp:** 5600K, 4500K, 3000K**Color Rendering Index:** >75 CRI**Beam Angle:** 60° or 125°**Lighting Configuration:** Flood Pattern**Power Efficiency:** >95%**Power Factor:** 0.992**Ambient Operating Temp Range:** -50° C to +65°C**Operating Temp Rating:** T5**Housing Material:** Copper Free Cast Aluminum**Housing Finish:** Epoxy Powder Coated - Grey**Lens Material:** Hardened Borosilicate Glass**Gasket Material:** Silicone**Mounting:** 3/4" Pendant & Swivel Mount - Both Ship w/ Fixture**Wiring:** 10' 16/3 SOOW w/ Flying Leads**Wiring Hub:** 3/4" NPT**LED Driver Specs****Input Voltage:** 100-277 Volts AC**Input Current:** 1.8A Max**Output Voltage:** 54V Max**Output Current:** 2.1A**Warranty:** Yes - 5 Years\* - 10 Year / 100,000 Lumen Available\*\***Ratings/Approvals**

Listed for United States and Canada

Class I, Divisions 1 &amp; 2, Groups C and D

Class II, Divisions 1 &amp; 2, Groups E,F,G

Class III, Divisions 1 &amp; 2

Certified to UL 844 Ed. 13

Certified to UL 1598

Certified to C22.2 No. 137 Rev 2009

Certified to C22.2 No. 250.0

Certified to C22.2 No. 30-M-1986 Rev 2012

T5 Temperature Rating

Paint Spray Booth Approved

IEC 60529 Tested

IP67 Rated Waterproof

LEL Approved

Multiple Driver Banks

80% Lumen Retention after 60,000 Hours

Factory Sealed Light Fixture

Recommended 15' to 40' Mounting Height

**Special Orders- Requirements**

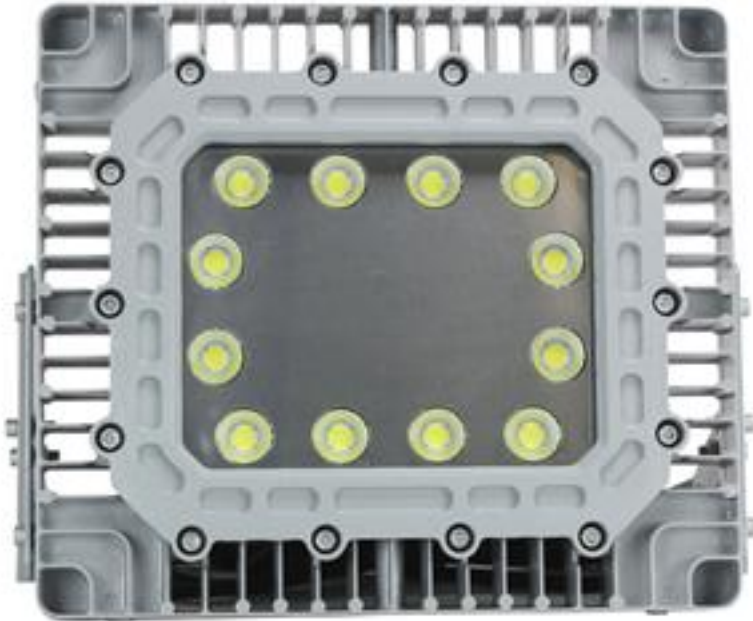
Contact us for special requirements

**Toll Free:** 1-800-369-6671**Intl:** 1-903-498-3363**E-mail:** sales@larsonelectronics.com

\*5 year warranty replacement on this LED light (or LED bulbs for light fixtures with removable LED bulbs). After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement. Please click here to see our 5 Year Warranty pamphlet.  
\*\*10 year / 100,000 hour warranty available for this product. For more information, please click here

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Part #: [EPL-HB-150LED-RT \(70368\)](#)





Links (Click on the below items to view):

- [SpecSheet French](#)
- [SpecSheet Arabic](#)
- [Dimensional Drawing](#)
- [Manual](#)



- IES
- STEP
- DXF
- Hi-Res Image 1 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture
- Hi-Res Image 2 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture
- Hi-Res Image 3 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture
- Hi-Res Image 4 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture
- Hi-Res Image 5 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture
- Hi-Res Image 6 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture
- Hi-Res Image 7 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture
- Hi-Res Image 8 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture
- Hi-Res Image 9 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture
- Hi-Res Image 10 - Class 1 Division 1 Explosion Proof 150 Watt High Bay LED Light Fixture