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

## EPL-HB-150LED-RT-JB2-150-EPP

# 150W C1D1 Explosion Proof High Bay LED Light Fixture - 21000 Lumens - 150' SOOW Cord w/ EPP Cord Cap

**Product ID: 147698**

**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.**

**EPL-HB-150LED-RT-JB2-150-EPP - C1D1 High Bay LED Light**

**Listing:** United States - Canada
**Lamp Type:** Cree LED
**Dimensions:** 14"H x 16"W x 5"D
**Weight:** 45 lbs
**Voltage:** 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC
**Total Watts:** 150W
**Total Lumens:** 21,000
**Luminous Efficacy:** 140 Lm/W
**Lamp Life:** 60,000+ Hours
**Color Temp:** 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K
**Color Rendering Index:** >75 CRI
**Beam Angle:** 60°, 125°, or 140°
**Lighting Configuration:** Flood Pattern
**NEMA Type (Lighting): 6H x 6V (60° Optics); 6H x 6V (125° Optics); 6H x 7V (140° Optics)**
**IES Classification: Type I (60° Optics); Type VS (125° Optics); Type VS (140° Optics)**
**Longitudinal Classification: Very Short (60° Optics); Very Short (125° Optics); Short (140° Optics)**
**Cutoff Classification: Cutoff**
**CIE Type: Direct**
**BUG Rating: B5-U1-G1 (60° Optics); B4-U1-G1 (125° Optics); B4-U1-G2 (140° Optics)**
**Power Efficiency:** >95%
**Power Factor:** 0.992
**Ambient Operating Temp Range:** -50°C to +65°C
**Operating Temp Rating:** T5

**Ratings/Approvals**

Listed for United States and Canada
Class I, Divisions 1 & 2, Groups C and D
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 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
3.5kV Surge Protection (NTC Circuit)
Recommended 15` to 40` Mounting Height

**Housing Material:** Copper Free Cast Aluminum
**Housing Finish:** Epoxy Powder Coated - Grey
**Lens Material:** Hardened Borosilicate Glass
**Gasket Material:** Silicone
**Mounting:** Surface Mount
**Wiring:** 150` 16/3 SOOW w/ Explosion Proof Cord Cap
**Cord Cap Options:** 5-15P, 5-20P, 6-20P
**Wiring Hub:** 3/4" NPT

**Special Orders - Special Requirements**
Contact us for special requirements

**Toll Free:** 1-800-369-6671
**Intl:** 1-903-270-1187
**Fax:** 1-903-498-3364
**E-mail:** sales@larsonelectronics.com

**The EPL-HB-150LED-RT-JB2-150-EPP from Larson Electronics is an Explosion Proof High Bay LED Light Fixture provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. Cree 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 I Divisions 1 & 2, Class II Divisions 1 & 2 explosion proof light fixture provides 21,000 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.


Click Photo to Enlarge


Click Photo to Enlarge


Click Photo to Enlarge







This 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.
**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.
This light is universal voltage capable and can be operated with 100-277V AC, 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**

| | Metal Halide | LED |
|---|---|---|
| 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 21,000 lumens with a color temperature of 5000K 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 4000K natural white color temperature options (longer lead times may apply for non-standard temperatures). The EPL-HB-150LED-RT-JB2-150-EPP is a surface mounted fixture.

**Click Photos to Enlarge**



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

**Wiring & Plug:** This explosion proof high bay LED light fixture is equipped with 150 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Wiring is connected via a service cable access hub on the back of the fixture. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets. ***PLEASE NOTE** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.*
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.

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

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, MH.
5. Retains 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Surface mount bracket included
8. Low profile - Light weight
9. 21,000 Lumen output from 150 watts

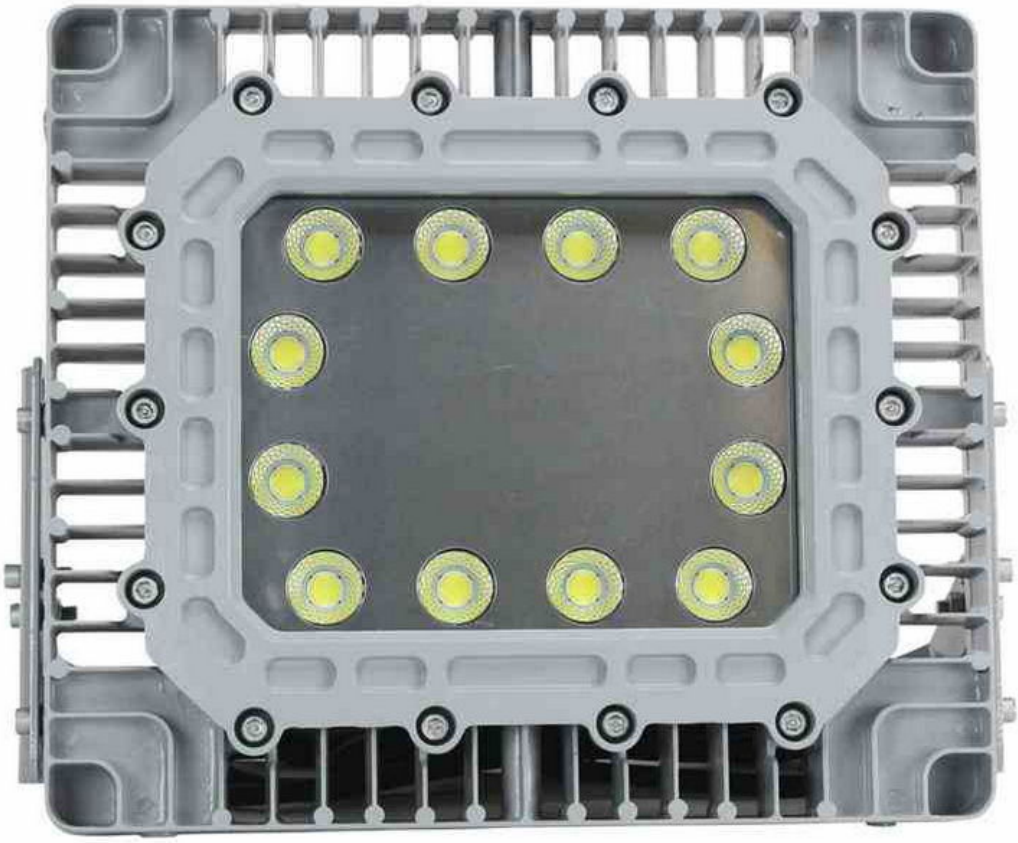
### Superior LED Benefits

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.

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

# Frequently Asked Questions (FAQ)









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

**EPL-HB-150LED-RT-JB2-150-EPP**

**Product ID: 147698**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**EPL-HB-150LED-RT-JB2-150-EPP-Voltage-Beam Angle-Color Temp**

**Example: EPL-HB-150LED-RT-JB2-150-EPP-1227-60B-56K**

| Voltage | |
|---|---|
| 120-277V AC | -1227 |
| 11-25V AC/DC | -1224 |

| Beam Angle | |
|---|---|
| 60° | -60B |
| 125° | -125B |
| 140° | -140B |

| Color Temp | |
|---|---|
| 5600K | -56K |
| 5000K | -50K |
| 4500K | -45K |
| 4000K | -40K |
| 3500K | -35K |
| 3000K | -30K |
| 2700K | -27K |
| 6500K | -65K |

Links (Click on the below items to view):

- **Beam Information (Coverage, Datafile)**
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**