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**HBLP-1MLED-B-TRN**

# 150 Watt Explosion Proof Trunnion Mount LED Light Fixture - Class 1 Division 1 Group B Hydrogen

**Product ID: 105223**

**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.**

**HBLP-1MLED-B-TRN High Bay**
**Lamp Type: LED**
**Dimensions:** 16" diameter
**Total Watts:** 150W
**Lumens:** 10,000
**Voltage:** Multi- 100-277 VAC, 50/60Hz
**Mounting: Adjustable trunnion Mount Aluminum Bracket**
**Wiring Hub: 3/4" NPT or 5/16"-18 x .75" NPT Thread**
**Weight:** 28lbs
**Lighting Configuration:** Flood Pattern
**Temp Rating: T5** -40C to +65C
**Color Temp:** 4000K 6000K, 70-CRI.
**Lamp Life:**60,000+ Hours

**ETL Ratings**
T5 Temperature Rating
Class 1 Division 1&2 Groups B, C and D
Class 2 Division 1&2 Groups E,F,G
Class 3 Division 1&2
CSA Certified to C22.2 No.137-M81
ETL Certified to UL844 and C22.2 Standards
C1D1 & C2D1 Hydrogen Group B
IP67

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

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

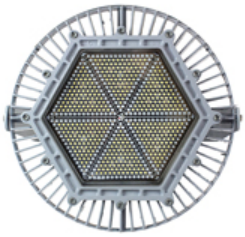
**E-mail:** sales@larsonelectronics.com

**The Larson Electronics HBLP-1MLED-B-TRN Explosion Proof High Bay trunnion mounted 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 fixtures.**
This Class 1 Division 1 & 2, Class 2 Division 1 & 2 Group B (hydrogen) explosion proof

light fixture provides 10,000 lumens 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

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 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 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 LED luminaries. The LED lamp produces 10,000 lumens with a color temperature of 4000K or 6000K and a color rendering index of 70 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The HBLP-1MLED-B-TRN can be trunnion mounted by bringing down a conduit to the light fixture. We also offer the HBLP-1MLED-B-SFC, the surface mounted version of this product.

**Mounting Option Notes:**

The HBLP-1MLED-B-TRN trunnion mount explosion proof light features an adjustable swivel bracket constructed of 3/8" aluminum. This aluminum mounting bracket has three 3/8" predrilled holes, enabling operators to mount this explosion proof LED light to the ceiling or any other flat surface. The wiring of the HBLP-1MLED-B-TRN is terminated in flying leads. The flying leads allow the user to tap this Class 1 Division 1 LED light to the desired voltage during installation.

### 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. Adjustable trunnion mount w/ flying leads
8. Low profile - Light weight
9. 10,000 Lumen output from only 150 watts.

### Superior LED Benefits

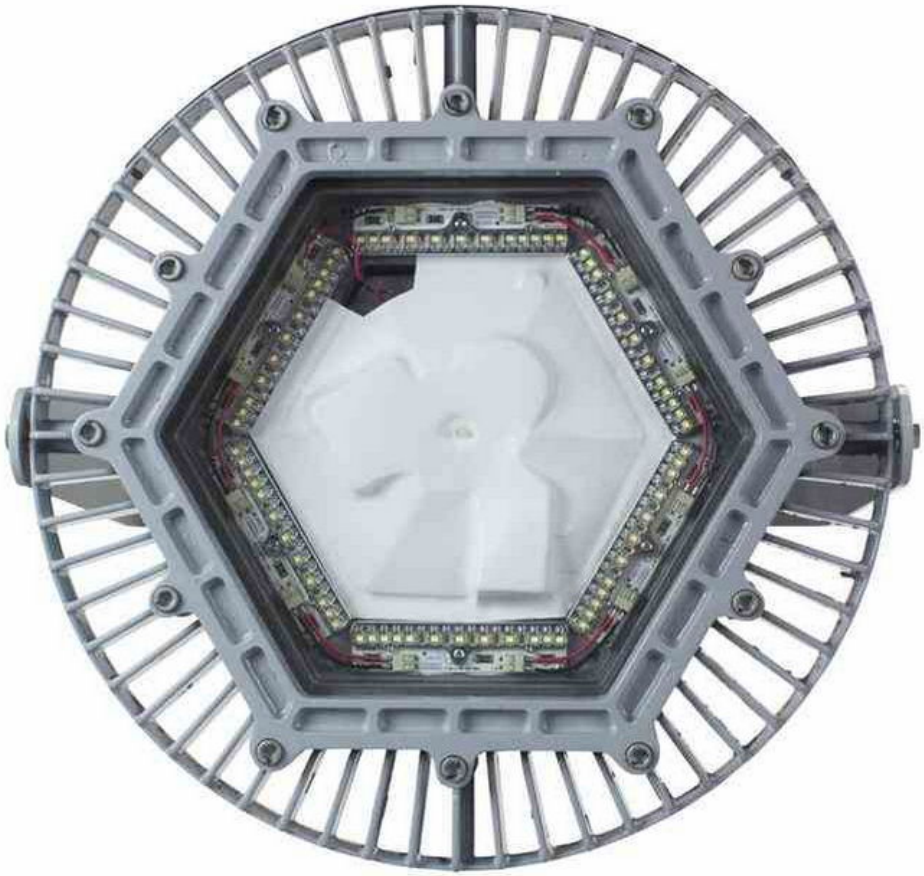
1. 60,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No 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.

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# Frequently Asked Questions (FAQ)









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**Product ID: 105223**

**Harmonized System (HS) Code:** 9405.41.84.10
**Export Control Classification Number (ECCN):** EAR99

**Options:**

**HBLP-1MLED-B-TRN-Color Temp**

**Example: HBLP-1MLED-B-TRN-6K**

| Color Temp | |
|---|---|
| 6000K | -6K |
| 4000K | -4K |

Links (Click on the below items to view):

- **IES (Photometric File)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**