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-144W-LED-PND

144 Watt High Bay LED Light Fixture - Paint Spray Booth Approved - 16,000 Lumens - C1D1 - C2D1

Product ID: 106045

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-144W-LED-PND High Bay
Lamp Type: LED
Dimensions: 5"H x 16"Dia
Weight: 28lbs
Voltage: 100-277V AC 50/60 Hz
Total Watts: 144W
Lumens: 111 Lm/W
Luminous Efficacy: 15,000
LED Lamp Life Expectancy: 60,000+ Hours
Color Temp: 5000K
Color Rendering Index: 80
Beam Angle: 109°
Power Efficiency:: 0.9
Power Factor: 0.9
Ambient Operating Temp: -40°C to +65°C
Housing Material: Copper Free Aluminum
Lens Material: Tempered Glass
Gasket Material: Rubber
Wiring: 3/4" Threaded NPT

Ratings
T5 Temperature Rating
Class I, Division 1, Groups C & D
Class II, Division 1, Groups E,F,G
Class III, Divisions 1 & 2
Certified to C22.2 No.137
Certified to UL844
Certified to Use in Paint Spray Booths

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 Larson Electronics EPL-HB-144W-LED-PND 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 fixtures. This high efficiency LED light fixture is certified for use in paint spray booths.

This Class 1 Division 1 & 2, Class 2 Division 1 & 2 explosion proof light fixture provides 16,000 lumens of high quality light while drawing only 144 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

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 and operates on 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 16,000 lumens with a color temperature of 5000K and a color rendering index of 80 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The EPL-HB-144W-LED-PND can be pendant mounted by bringing a ridgid conduit down to the fixture.

Mounting Option Notes: Pendant mounting option requires conduit be supplied by the installer. Additional mount options available upon request.

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 mount standant, with additional mounts upon request, including: ceiling, cable and stanchion, swivel bracket.
8. Low profile - Light weight
9. 16,000 Lumen output from only 144 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)







EPL-HB-144W-LED-PND

Product ID: 106045

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):

- **Operations Manual**
- **SpecSheetSpanish**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**