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EPL-WPLED-1MLED-B

150W Explosion Proof Wall Pack LED Light Fixture - C1D1,C2D1 - Wall/Surface Mount - Hydrogen Grp B

Product ID: 152861

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-WPLED-1MLED-B Explosion Proof Wall Pack LED Light

Lamp Type: LED
Dimensions: 16" - Diameter
Weight: 28 lbs
Total Watts: 150W
Voltage: Universal 100-277V AC 50/60Hz
Lumens: 10,000
LED Expected Lifespan: 60,000+ Hours
Color Temp: 6000K
CRI: 70
Ambient Operating Temp: -40C to +65C
Materials: Copper-free Aluminum
Mounting: Adjustable Wall/Surface Bracket, (1) Mounting Hole
Wiring Hub: 3/4" NPT or 5/16"-18 x .75" NPT Thread
Housing Color: White

Ratings

T5 Temperature Rating
Class I, Div 1&2 Groups B,C,D
Class II, Div 1&2 Groups E,F,G
Class III Div 1&2
CSA Certified to C22.2 No.137-M81
cETL Certified to UL844 and C22.2 Standards
C1D1/C2D1 Hydrogen Group B

Special Orders - Special Requirements

Contact us for special requirements

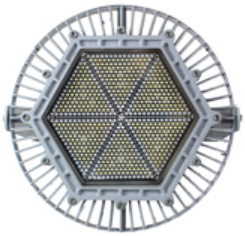
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The Larson Electronics EPL-WPLED-1MLED-B Explosion Proof Wall Pack LED Light Fixture provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. This 150-watt unit offers 10,000 lumens of output and compatibility with 100-277V AC. Constructed of copper-free aluminum, the outdoor LED fixture is designed for wall-pack and surface mounting applications.

The EPL-WPLED-1MLED-B is a Class I, Division 1 & 2 and Class II, Division 1 & 2 Group B (hydrogen) explosion proof light fixture for combustible work sites. Suitable for wall-pack lighting applications, the unit provides 10,000 lumens of high quality light while drawing only 150 watts. The LED lamp features a color temperature of 6000K and a color rendering index of 70 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. This LED light is multi-voltage capable and can be operated with 100-277V AC, 50/60Hz without any need for a special ballast.
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. Lightweight and low-profile features make this unit an attractive alternative to larger and heavier/older fixtures, while requiring less hardware to install.



Click Photo to Enlarge



Click Photo to Enlarge



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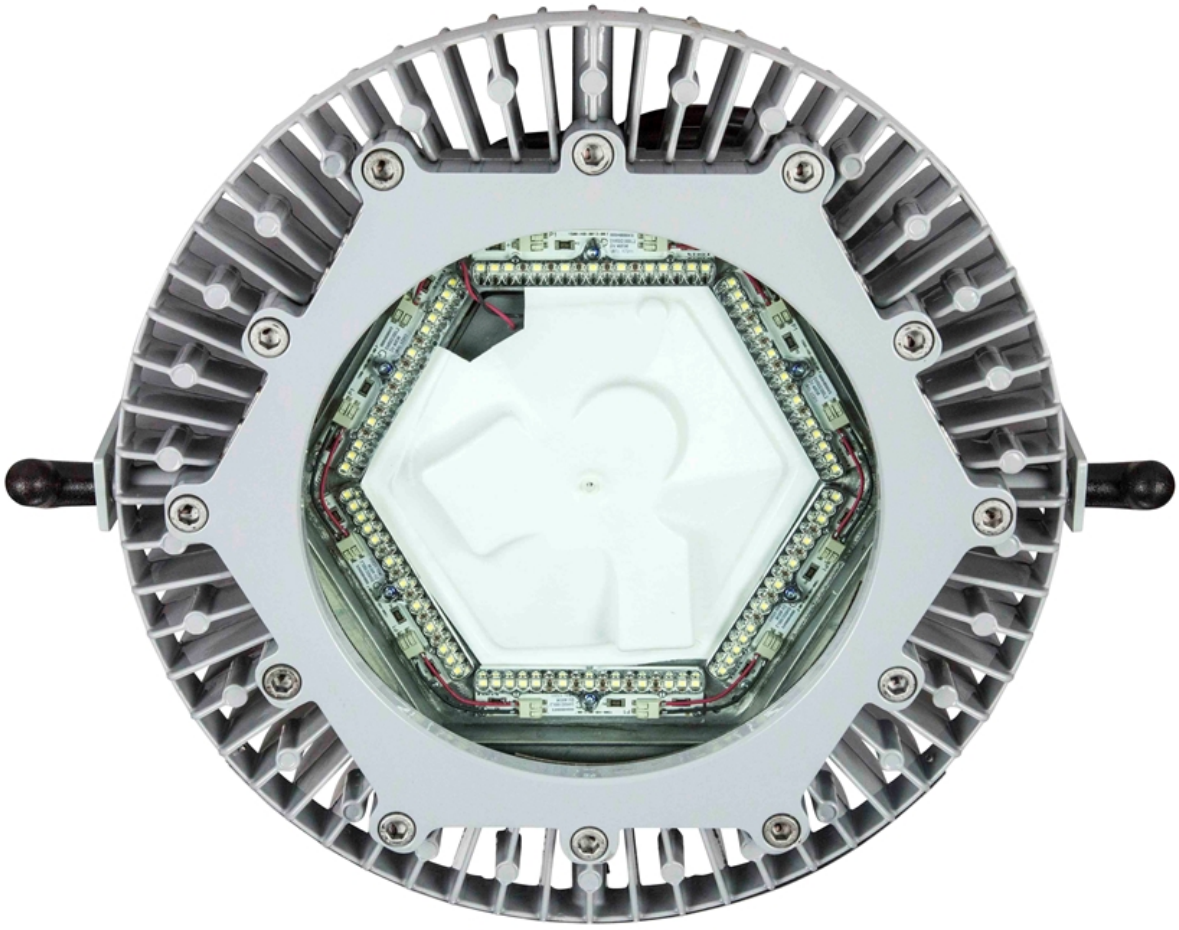
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive 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.
Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED`s core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 100% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.
Wiring/Mounting: This wall pack LED light features one 3/4" NPT hub for completing electrical connections. Equipped with a trunnion mount wall/flat surface bracket, the unit offers several mounting options including ceiling mounting, pendant mounting, wall mounting and cable mounting. During installation, operators are provided access to one mounting hole on the bracket. After securing the LED lamp on the surface using the

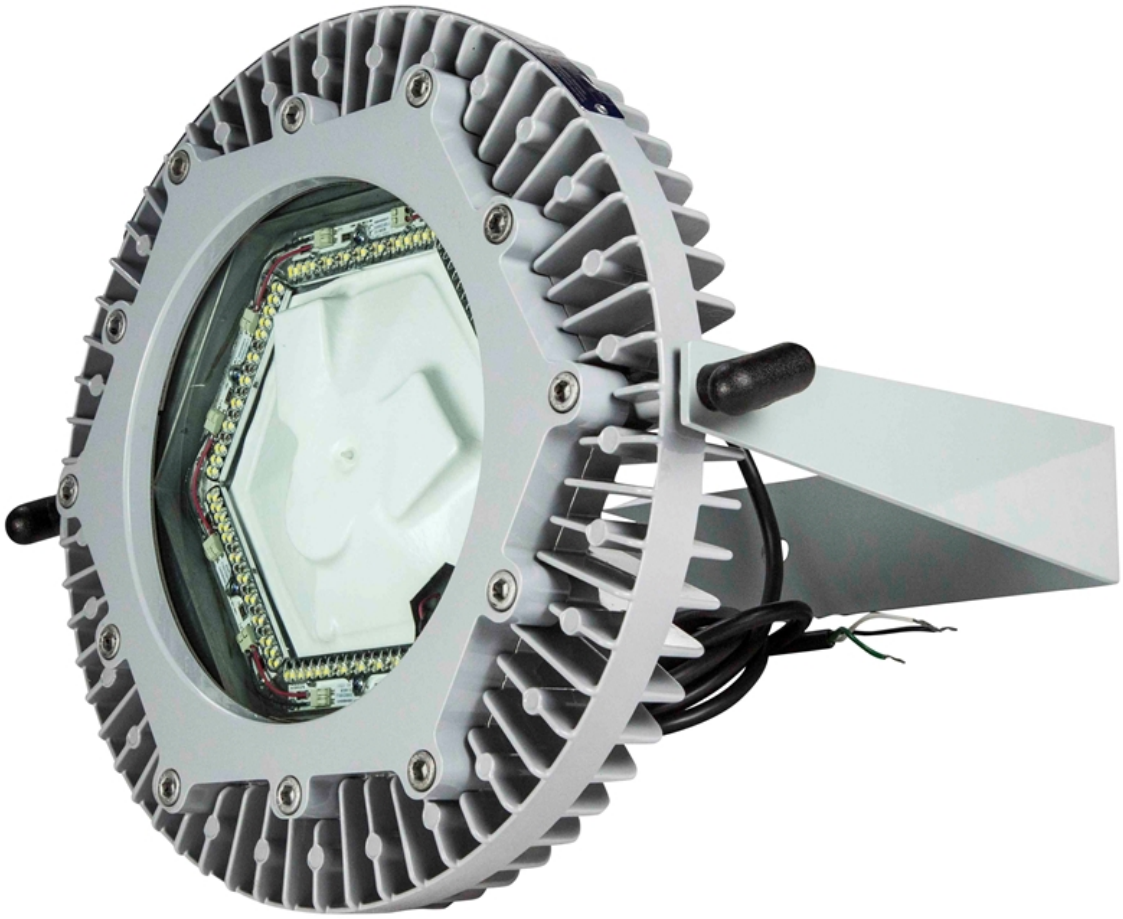
mounting bracket, it is possible to adjust the angle of the light head towards the target area for accurate illumination.
Applications: Wall pack lighting, down lighting, outdoor illumination, buildings, hazardous locations, warehouses, processing plants, building facades, exterior building perimeters, retaining walls, storage areas and more.
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. 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.

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Frequently Asked Questions (FAQ)






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Product ID: 152861

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

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **IES (Photometric File)**
- **Operations Manual**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**