Larson Electronics LLC
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Phone: 800.369.6671

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EPL-LP-48W-LED

Explosion Proof 48 Watt Low Profile LED Light Fixture - 5000 Lumens - C1D1 / C2D1 - Pendant Mount

Product ID: 105255

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-LP-48W-LED Low Profile Explosion Proof LED Light

Listing: United States - Canada
Lamp Type: LED
Dimensions: 10.7" Length, 9.7" Width, 5.8" Depth
Weight: 14.5 lbs
Voltage: 100-277 Volts AC, 50/60Hz
Total Watts: 48W
Total Lumens: 5,000
Luminous Efficacy: 104.17 Lm/W
Lamp Life: 100,000+ Hours
Color Temp: 5000K
Color Rendering Index: >70 CRI
Beam Spread: 180° or 360°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: >90%
Total Harmonic Distortion: <20%
Surge Protection: 1kV Line to Line / 2kV Line to Ground
Amperage: 0.4A @ 120V, 0.2 @ 240V, 0.17 @ 277V
Ambient Operating Temp Range:-40° C to +45°C
Operating Temp Rating: T5
Housing Material: Copper Free Cast Aluminum
Housing Finish: Polyester / Epoxy Powder Coated
Lens Material: Glass
Mounting: 3/4" Pendant

Ratings

Listed for United States and Canada
Class I, Division 1, Groups C & D
Class II, Division 1, Groups E, F, G
UL 844
UL-1598/A
CSA 22.2 No 137
CSA 22.2 No 25
T5 Temperature Rating
IP66
NEMA 4X

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Wiring: 10` 16/3 SOOW w/ Flying Leads

Wiring Hub: 3/4" NPT

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The Larson Electronics EPL-LP-48W-LED-PND Low Profile Pendant Mount LED 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, Class 2 Division 1 explosion proof light fixture provides 5,000 lumens of high quality light while drawing only 48 watts. It is available in 360° or 180° beam spreads. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. A special heat dissipating design in conjunction with advanced LED driver technology helps this fixture achieve an excellent 100,000 hour rated lifespan with 70% 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.

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 without modification or need for a ballast or transformer. The aluminum body and LED lamp assembly gives 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 emitters. This high output LED lamp produces 5,000 lumens with a color temperature of 5000K and a color rendering index of 70, which means this lamp render colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The EPL-LP-48W-LED-PND comes standard in a pendant mount configuration. We offer alternative surface mount, trunnion mount, and slip fitter yoke mount accessories for this fixture.

Note On Beam Spread: The 360° beam spread is the standard directional output and typical for flood lights. The 180° shines in only one direction. This is good for down lighting, wall packs and for not blinding oncoming traffic or pedestrians.

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, MV.
5. Retains 70% lumen output after 100,000 operating hours.
6. Powder coated aluminum fixture body.
7. Low profile - Light weight
8. 5,000 Lumen output from only 48 watts

Superior LED Benefits

1. 100,000 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 LEED 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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CAUTION: To Reduce the risk of ignition of hazardous atmospheres, disconnect the luminaire from the supply circuit before opening. Keep tightly closed when in operation.
Suitable for wet locations.
ATTENTION: Afin de réduire l' inflammation d' atmosphères, déconnecter du circuit d'alimentation avantdangereuses.
Conserver hermétiquement fermé lorsqu'il est en fonctionnement.
Convient aux emplacements humides
CLASS I DIV. 1 & 2 GROUPS C, D
Ambient Temperature Range: -25C-40C
CONFORMS TO UL 844
CERTIFIED TO CAN/CSA TD C22.2 NO. 137
Suitable for Locations Having Deposits of Readily Combustible-Paint Residues
Groups
C, D
Temp Rating
T5
D0300097
Intertek
5000012

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EPL-LP-48W-LED

Product ID: 105255

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

Options:

EPL-LP-48W-LED-Voltage-Beam Spread

Example: EPL-LP-48W-LED-1227-60B

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

Beam Spread	
60°	-60B
125°	-125B
140°	-140B

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**