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EPL-LP-70W-LED

Explosion Proof 70 Watt Low Profile LED Light Fixture - 6000 Lumens - Class 1 Division 1 & II

Product ID: 50971

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-70W-LED Low Profile Light
Lamp Type: LED
Dimensions: 10.7" Length, 9.7" Width, 5.8" Depth
Total Watts: 70W
Lumens: 6,000
Voltage: Multi- 100-277 VAC, 50/60Hz
Lighting Configuration: Flood Pattern
Mounting: 3/4" NPT or 5/16"-18 x .75" NPT Thread
Weight: 20lbs
U.L. Listing: Explosion Proof
Temp Rating: T5 -40C to +45C
Color Temp: 5000K, >70-CRI.
Lamp Life: 100,000+ Hours
Beam Spread: 180° or 360°
Power Factor: >90%

Ratings
T5 Temperature Rating
Class 1 Division 1&2 Groups C & D
Class 2 Division 1&2 Groups E,F,G
UL 844
UL-1598/A
IP66
NEMA 4X

Special Orders - Special Requirements
Contact us for special requirements

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The Larson Electronics EPL-LP-70W-LED Low Profile 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 & 2, Class 2 Division 1 & 2 explosion proof light fixture

provides 6,000 lumens of high quality light while drawing only 70 watts. It is available in 360° and 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 multi-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any 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 6,000 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-70W-LED is available in several mounting configurations including ceiling mounting, pendant mounting, wall mounting and cable mounting.

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.

Mounting Option Notes: Pendant mounting option requires conduit be supplied by the installer.Wall mounting option comes with Fixture Hanger.

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. Multiple Mounting Options Including Pendant, Wall, Ceiling, Cable Mounting and Swivel Bracket.
8. Low profile - Light weight
9. 5,800 Lumen output from only 70 watts

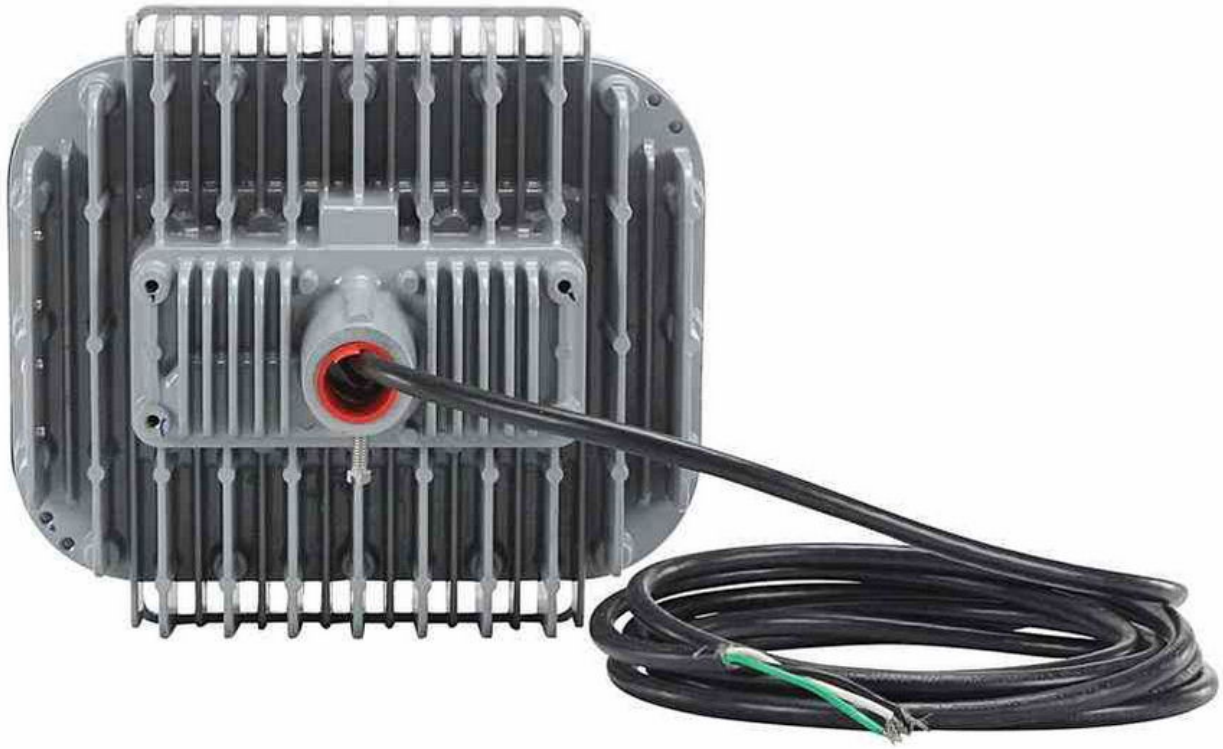
Superior LED Benefits

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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Product ID: 50971

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

Options:

EPL-LP-70W-LED-Beam Spread

Example: EPL-LP-70W-LED-360

Beam Spread	
360 DEGREES	-360
180 DEGREES	-180

Links (Click on the below items to view):

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