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EPL-WPLED-100W-RT-PSC

100 Watt Explosion Proof LED Wall Pack Light with Glare Shield - Surface Mount - 11,667 Lumens -C1D1

Product ID: 146374

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-100W-RT-PSC - Explosion Proof LED Wall Pack

Lamp Type: Cree LED
Dimensions: 18"H x 16"W 6"D
Weight: 35lbs
Voltage: 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC
Total Watts: 100W
Lumens: 11,667
Luminous Efficacy: 116.67 Lm/W
Lighting Configuration: Flood Pattern
Temp Rating: -50°C to +85°CC
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75
Lamp Life: 60,000+ Hours
Mounting: Adjustable wall / flat surface mount

Ratings/Approvals

Class I Division 1, Groups C and D
Class I Division 2, Groups C and D
Class II, Divisions 1 & 2, Groups E, F and G
Class III, Divisions 1 & 2
T5 Temperature Rating
Certified to UL844 and C22.2 Standards
Paint Spray Booth Approved
LEL Approved
IP67 Rated Waterproof
Multiple Driver Banks
80% Lumen Retention after 60,000 Hours
Adjustable Glare Shield

Special Orders - Special Requirements

Contact us for special requirements

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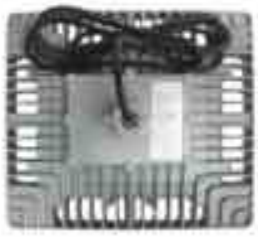
Made in the USA

The Larson Electronics EPL-WPLED-100W-RT-PSC Explosion Proof LED Wall Pack Light fixture with glare shield provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. Cree LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures. An adjustable glare shield allows operators to block all upward light.

This Class I Division 1 & 2, Class II Division 1 & 2 explosion proof LED wall pack light fixture provides 11,667 of high quality light while drawing only 100 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. The adjustable glare shield allows operators to adjust the cutoff of this wallpack, and preventing upward wasted light.



Click Photo to Enlarge



Click Photo to Enlarge

The explosion proof wall pack LED light fixture features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twelve individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to operate.

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 100-277V AC, 50/60Hz. We also offer a low voltage version of this LED fixture that operates on AC/DC voltages from 11-25 Volts. This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The cast 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 LEDs and electronics.

The EPL-WPLED-100W-RT-PSC light produces 11,667 lumens with a color temperature of 5000K, 4000K, or 3000K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or

mercury vapor luminaries. The EPL-WPLED-100W-RT-PSC offers several mounting options including ceiling mounting, pendant mounting, wall mounting and cable mounting. The standard version of this explosion proof LED fixture includes a trunnion mount wall/flat surface bracket.

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 and Swivel Bracket mount included
8. Low profile - Light weight
9. 11,667 Lumen output from only 100 watts
10. Multiple LED Driver Banks for Redundancy
11. Paint Spray Booth Approved
12. LEL Approved for Rebates

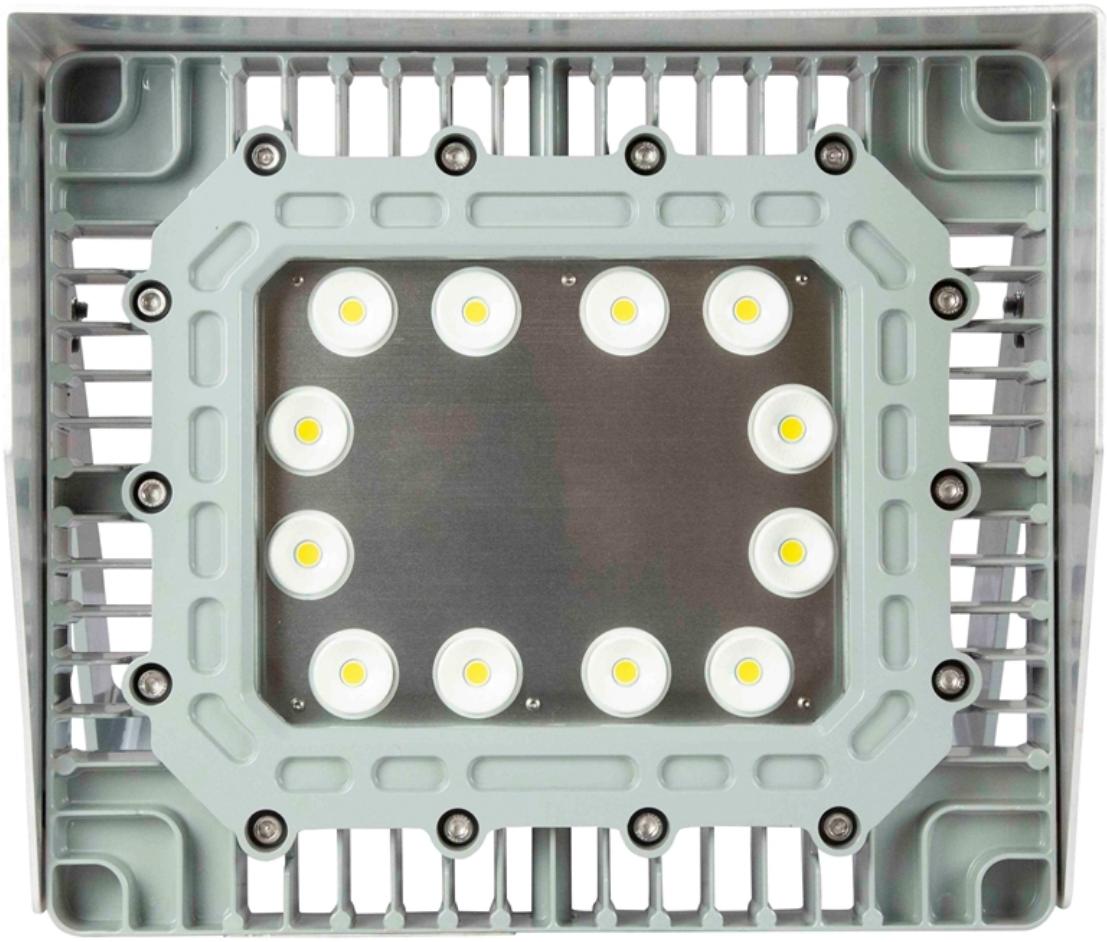
Superior LED Benefits

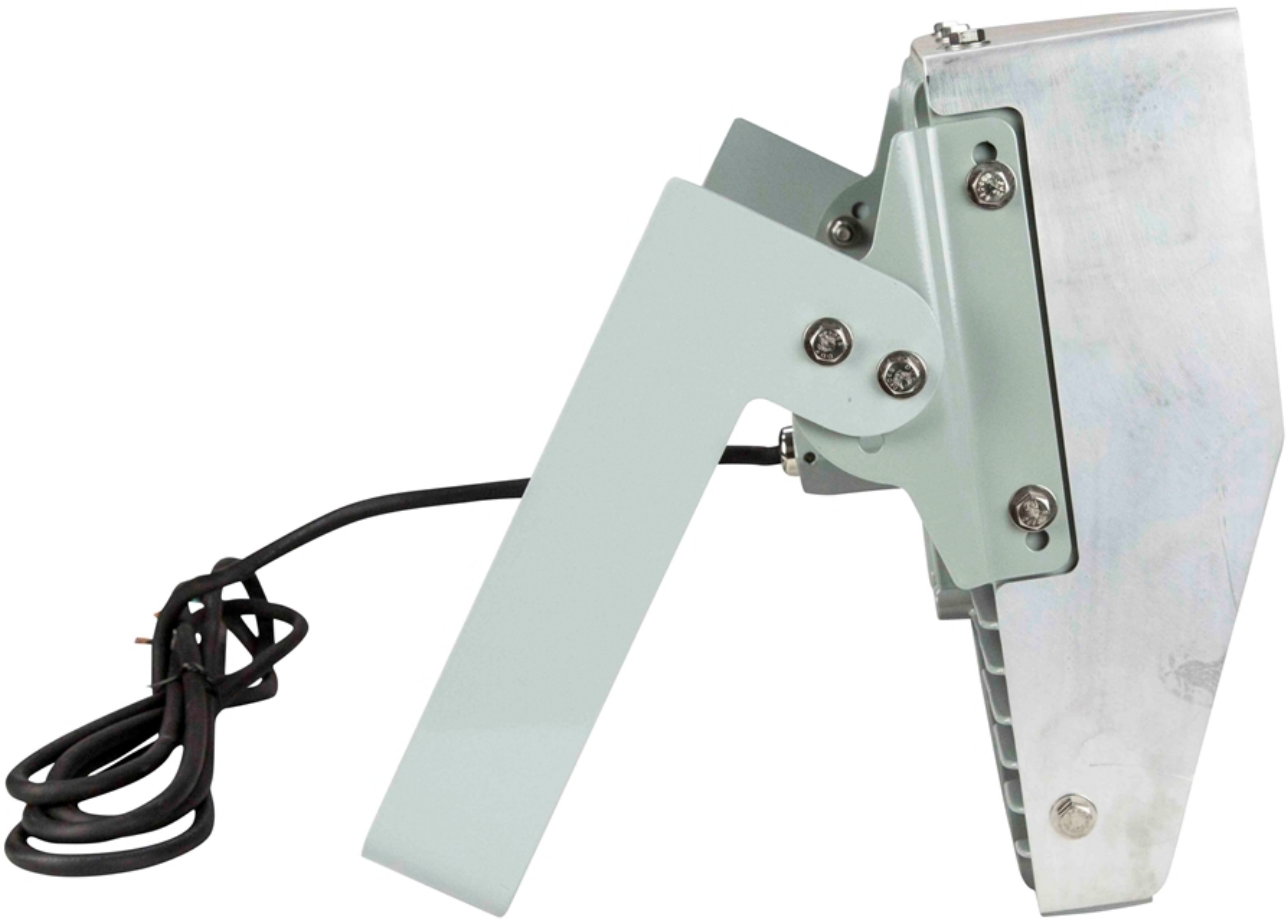
1. 60,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No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

Product ID: 146374

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-WPLED-100W-RT-PSC-Voltage-Beam Config

Example: EPL-WPLED-100W-RT-PSC-1227-60DB

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

Beam Config	
60°	-60DB
125°	-125DB

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **Operations Manual**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**