

EPL-WPLED-100W-RT-DIMM-PSC

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

Product ID: 286237

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-DIMM-PSC - Explosion Proof LED Wall Pack

Listing: NRTL Listed to United States, Canada

Lamp Technology: Dimmable 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

Total Lumens: 11,667 lms

Luminous Efficacy: 116.67 Lm/w

Lamp Life: 60,000+ Hours

Color Temp: 5000K, 4000K, 3000K

Color Rendering Index: >75

Lamp Type: Dimmable LED

Lamp Base: -

Replacement Lamp: -

Beam Angle: -

Lighting Configuration: Spot or Flood

Dimming Type: 0-10V

Amps: -

Ambient Operating Temp Range: -50°C to +85°C

Operating Temp Rating: -

Housing Material: Non-sparking

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

NRTL Certified to UL 844 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

Housing Finish: -
Lens Material: -
Gasket Material: -
Mounting: Adjustable Wall / Flat Surface Mount
Wiring Hub: -

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

Made in the USA

The Larson Electronics EPL-WPLED-100W-RT-DIMM-PSC Explosion Proof Dimmable LED Wall Pack Light with Glare Shield provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. LED technology and a 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 dimmable 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 wall pack, and preventing upward wasted light.

0-10V Dimming: This dimmable LED light fixture features 0-10V dimming capabilities and work with standard 0-10V dimming controllers. This gives operators the ability to manually adjust the brightness of the LED lamp quickly and easily. The 0-10V dimming allows for adjustments to fit the brightness needs of any lighting situation. A 0-10V dimmable light works through the use of a DC control signal that ranges between zero and ten volts. The basic idea is that at 10 volts of input the light is at its brightest level with 0 volts being the lowest possible dimness setting. The smooth, continuous and flicker-free dimming of a 0-10V dimmable LED light is ideal for a wide range of different lighting applications.



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[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.

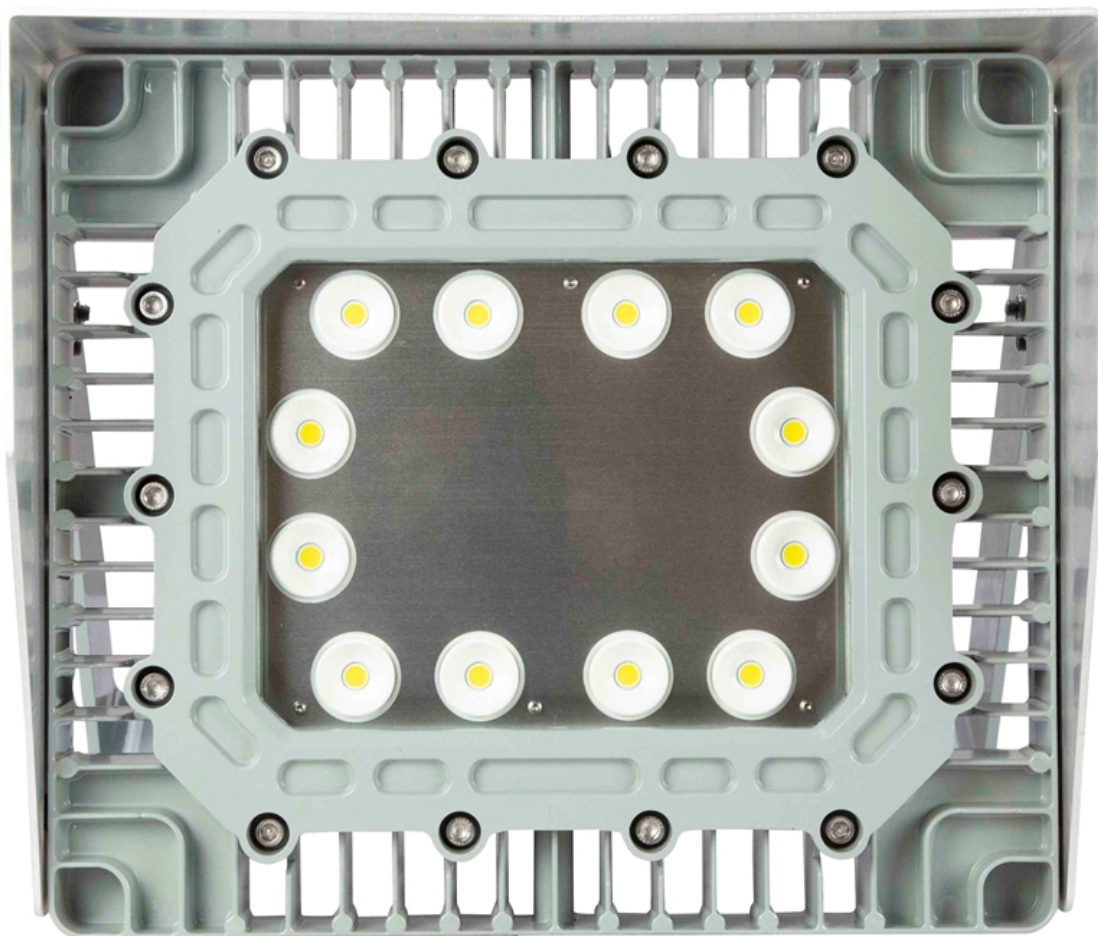
This dimmable light is universal voltage capable and can be operated with 100-277V AC, 50/60Hz. We also offer a low voltage version of this LED fixture that operates on AC/DC voltages from 11-25 Volts. This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure 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.

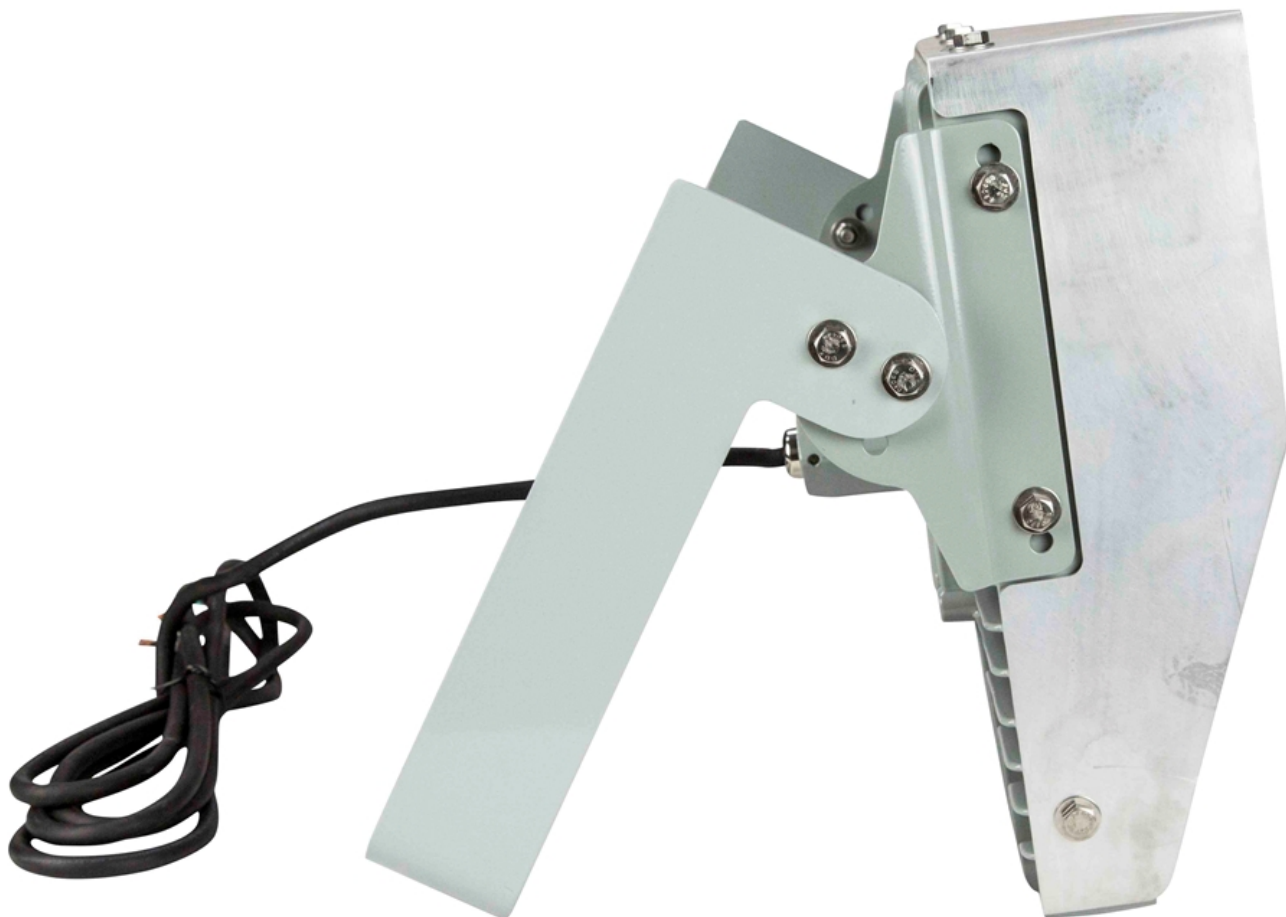
The EPL-WPLED-100W-RT-DIMM-PSC light produces 11,667 lumens with a color temperature of 5000K, 4000K, or 3000K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The EPL-WPLED-100W-RT-DIMM-PSC offers several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

Suggested Applications: Hazardous locations, oil drilling rigs, refineries, solvent and cleaning areas, chemical manufacturing, waste treatment plants, gas processing plants, aircraft maintenance 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.

Frequently Asked Questions (FAQ)







EPL-WPLED-100W-RT-DIMM-PSC

Product ID: 286237

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

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

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

Voltage		Beam Config	
120-277V AC	-1227	60°	-60DB
11-25V AC/DC	-1224	125°	-125DB

Links (Click on the below items to view):

- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)