Larson Electronics LLC
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EPLC2-WPLED-100W-RT

100 Watt Explosion Proof LED Wall Pack Light - Surface Mount - 11,667 Lumens - Class II Div 1

Product ID: 105660

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.

EPLC2-WPLED-100W-RT Explosion Proof LED Wall Pack

Listing: United States - Canada
Lamp Type: Cree LED
Dimensions: 14"H x 16"W 5"D
Weight: 28lbs
Voltage: 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC
Total Watts: 100 W
Total Lumens: 11,667
Luminous Efficiency: 116.67 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75 CRI
Beam Angle: 60° or 125°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: >98%
Amperage: 0.83A @ 120V, 0.42 @ 240V, 0.36 @ 277V
Ambient Operating Temp Range:-50° C to +65°C
Operating Temp Rating: T5
Housing Material: Copper Free Cast Aluminum
Lens Material: Hardened Borosilicate Glass
Gasket Material: Silicone
Mounting: Adjustable wall / Flat Surface Mount
Wiring: 10` 16/3 SOOW w/ Flying Leads

Ratings/Approvals

T5 Temperature Rating
Class I Division 2 Groups C and D
Class II Division 1&2 Groups E,F,G
Class III
CSA Certified to C22.2 No.137-M81
cETL Certified to UL844 and C22.2 Standards
Paint Spray Booth Approved

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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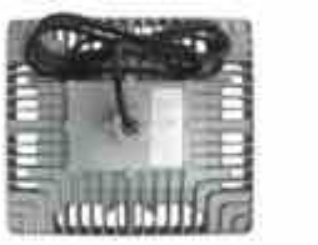
Wiring Hub: 3/4" NPT

E-mail: sales@larsonelectronics.com

The Larson Electronics EPLC2-WPLED-100W-RT Explosion Proof LED Wall Pack Light fixture 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.
This Class I Division 2, Class 2 Division II & 2 explosion proof LED wall pack light fixture provides 11,667 lumens 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.



Click Photo to Enlarge



Click Photo to Enlarge

This light is multi-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any need for a special ballast. The 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 LED luminaries.

Energy Consumption Comparison

	Metal Halide	LED
Wattage	250 watts	100 watts
Amp Draw @ 120V AC	2.38 amps	.83 amps
Amp Draw @ 220V AC	1.30 amps	0.45 amps
Amp Draw @ 240V AC	1.19 amps	0.42 amps
Amp Draw @ 277V AC	1.03 amps	0.36 amps
Amp Draw @ 12V DC	23.75 amps	8.3 amps
Amp Draw @ 24V DC	11.88 amps	4.17 amps
Lamp Life Expectancy	20,000 hours	50,000+ hours
Operation cost per year (12hs/day @ 12c/kWh)	$149.80	$52.56

Each LED light fixture has the potential to save ~$100.00+ per year in electricty alone, not including maintainence costs, operational downtime, reduced productivity, HVAC loads, or carbon footprint. When retrofitting an entire facility with 100s of light fixtures, the return on investment of LED over metal halide becomes evident.

This LED 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. We also offer a 3000K warm white and 4500K natural white color temperature options (longer lead times may apply for non-standard temperatures). The EPLC2-WPLED-100W-RT offers an adjustable mounting system that this fixture to be mounted to any flat surface including walls and ceilings.

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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 50,000 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

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.

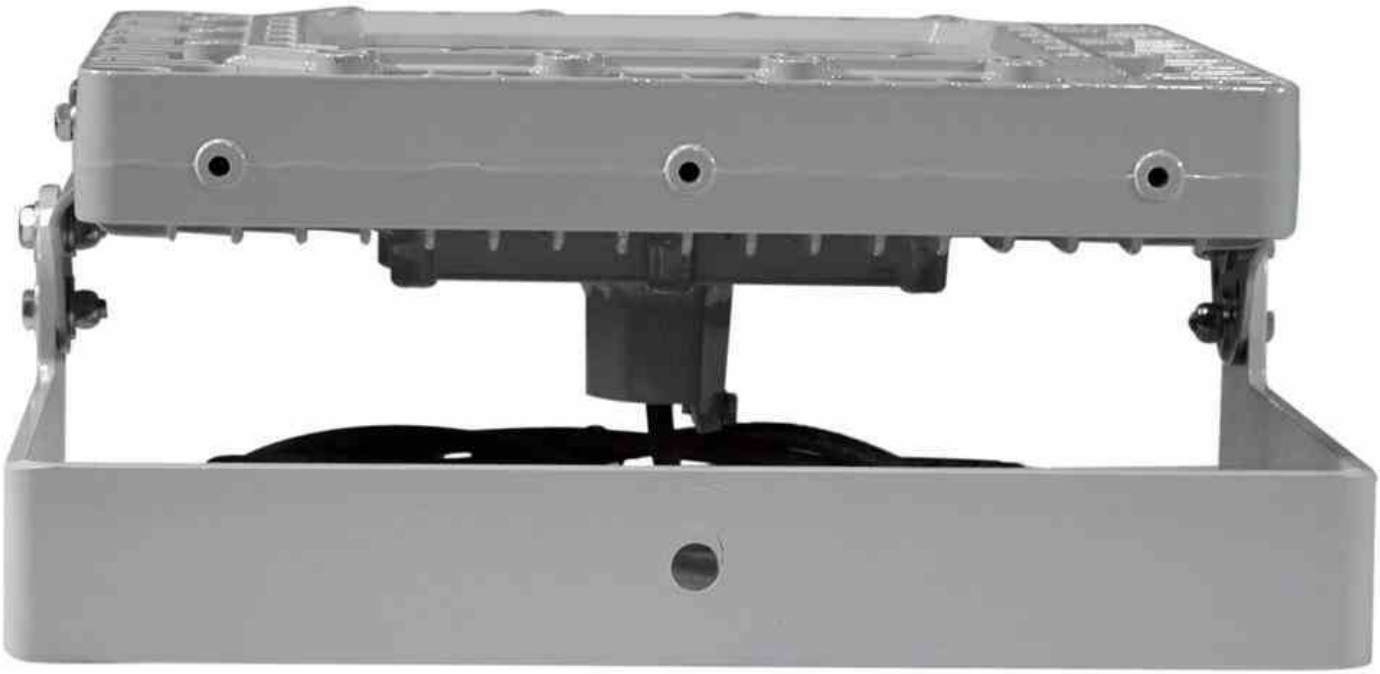
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Frequently Asked Questions (FAQ)







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EPLC2-WPLED-100W-RT

Product ID: 105660

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLC2-WPLED-100W-RT-Voltage-Beam Angle-Color Temp

Example: EPLC2-WPLED-100W-RT-1227-60B-56K

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

Beam Angle	
60°	-60B
125°	-125B

Color Temp	
5600K	-56K
5000K	-50K
4500K	-45K
3000K	-30K
6500K	-65K

Links (Click on the below items to view):

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