Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

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EPL-PM-100LED-100C-EPP

100 Watt Class 1 Div 1 Explosion Proof LED Light - Non-Spark Aluminum Base - 120-277V AC

Product ID: 146629

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.

Specifications / Additional Information

EPL-PM-100LED-100C-EPP Explosion Proof LED Light

Lamp Type: Cree LED
Dimensions: 18.09"L x 15.9"W x 23.75"H
Total Weight: 68 Lbs
Fixture Weight: 45 Lbs
Voltage: 100-277V AC 50/60Hz or 11-25V AC/DC
Total Watts: 100 watts
Total Lumens: 11,667
Luminous Efficacy: 116.67 Lm/W
LED Lamp Life Expectancy: 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: 0.992
Amperage: 0.83A @ 120V, 0.42 @ 240V, 0.36 @ 277V
Ambient Operating Temp Range: -50°C to +65°C
Operating Temp Rating: T5
Lamp Housing Material: Copper Free Cast Aluminum
Stand Material: Non-Sparking Aluminum
Lens Material: Hardened Borosilicate Glass
Gasket Material: Silicone
Mounting: Triangular Shaped Aluminum Base Stand
Finish: Powder Coated - Gloss Blue

Ratings/Approvals

Listed for United States and Canada
Class I, Divisions 1 & 2, Groups C and D
Class II, Divisions 1 & 2, Groups E,F,G
Certified to UL 1598
Certified to C22.2 No. 137 Rev 2009
Certified to C22.2 No. 250.0
T5 Temperature Rating
Paint Spray Booth Approved
IEC 60529 Tested
LEL Approved
Multiple Driver Banks
80% Lumen Retention after 60,000 Hours
Factory Sealed Light Fixture
100 Foot SOOW Cable
Direct Replacement for 400W Portable Lights

Special Orders - Special Requirements

Contact us for special requirements

Wiring: 100` 16/3 SOOW Cord Explosion Proof Cord Cap

Cord Cap: 5-15 Straight (120V), 5-20 Twist (120V), or 6-20 Twist (250V) Explosion Proof Plug

Warranty: Yes - 5 Year - 10 Year Warranty Available

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

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Frequently Asked Questions (FAQ)









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EPL-PM-100LED-100C-EPP

Product ID: 146629

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-PM-100LED-100C-EPP-Voltage-Cord Cap-Beam Config

Example: EPL-PM-100LED-100C-EPP-1227-1523-60DB

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

Cord Cap	
5-15P	-1523
5-20P	-2023.125V
6-20P	-2023.250V

Beam Config	
60°	-60DB
125°	-125DB

Links (Click on the below items to view):

- Operations Manual
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map