Larson Electronics LLC
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EPLC2-LED-2X150W-RT-140DB-480V

480V C2D1 Explosion Proof 300 Watt LED Flood Light Fixture - Paint Spray - 140 Degree - 35,000 Lumen

Product ID: 144676

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-LED-2X150W-RT-140DB-480V Explosion Proof LED Flood Light	Ratings/Approvals
Lamp Type: Cree LED	Class 1 Division 2 Groups C and D
Dimensions: 28"H x 16"W 5"D	Class 2 Division 1&2 Groups E,F,G
Weight: 70 lbs	Class 3
Voltage: 347-480V AC, 50/60Hz	cETL Certified to UL844 and C22.2 Standards
Total Watts: 300W	Paint Spray Booth Approved
Total Lumens: 35,000	T5 Temperature Rating
Luminous Efficacy: 116.67 Lm/W	
Lighting Configuration: Flood Pattern	
Color Temp: 5000K, 4000K, 3000K, 70-CRI.	
Lamp Life:60,000+ Hours	
Temp Rating: T5 -50°C to +85°C	
Mounting:3/4" NPT and Swivel Mount	**Special Orders - Special Requirements**
Power Factor: >98%	Contact us for special requirements
Efficiency: >88%	**Toll Free:** 1-800-369-6671
Output Voltage: 54V Max	**Intl:** 1-903-270-1187
Output Current: 2.1A	**E-mail:** sales@larsonelectronics.com

Made in the USA

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The Larson Electronics EPLC2-LED-2X150W-RT-140DB-480V Explosion Proof LED Flood 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 1 Division 1 & 2, Class 2 Division 1 & 2 explosion proof flood light fixture provides 35,000 of high quality light while drawing only 300 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 explosion proof 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 twenty-four 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 multi-voltage capable and can be operated with 347-480V AC, 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. The LED lamp produces 35,000 lumens with a color temperature of 5000K, 4000K, or 3000K and a color rendering index of 70 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The EPLC2-LED-2X150W-RT-140DB-480V offers several mounting options including ceiling mounting, pendant mounting, wall mounting and cable mounting.

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. 35,000 Lumen output from only 300 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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Product ID: 144676

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLC2-LED-2X150W-RT-140DB-480V-Color Temp

Example: EPLC2-LED-2X150W-RT-140DB-480V-50K

Color Temp	
5000K	-50K
4500K	-45K
3000K	-30K

Links (Click on the below items to view):

- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**