

EPLC2-LED-150W-RT-EB

150W Explosion Proof LED Flood Light - C1D2, C2D1 - 21,000 lms - Surface Mount - Eyebolt

Product ID: 154044

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-150W-RT-EB Explosion Proof LED Flood Light

Listing: United States - Canada

Lamp Type: LED

Dimensions: 14"H x 16"W 5"D

Weight: 32 lbs

Voltage: 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC

Total Watts: 150W

Total Lumens: 21,000

Luminous Efficiency: 140 Lm/W

Lamp Life: 60,000+ Hours

Color Temp: 5600K, 4500K, 3000K

Color Rendering Index: >75 CRI

Beam Angle: 60° or 125°

Lighting Configuration: Flood Pattern

Power Efficiency: >95%

Power Factor: 0.992

Amperage: 1.25A @ 120V, 0.63 @ 240V, 0.54 @ 277V

Maximum Inrush Current: 1.65A @ 120V

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 Flat Surface Mount U-Bracket

Safety: Eyebolt

Wiring: 10` 16/3 SOOW w/ Flying Leads

Ratings/Approvals

Listed for United States and Canada

Class I, Divisions 2, Groups C and D

Class II, Divisions 1 & 2, Groups E,F,G

Class III, Divisions 1 & 2

Certified to UL 844 Ed. 13

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

IP67 Rated Waterproof

DLC Approved

Multiple Driver Banks

80% Lumen Retention after 60,000 Hours

Factory Sealed Light Fixture

Eyebolt

Wiring Hub: 3/4" NPT

LED Driver Specs

Input Voltage: 100-277 Volts AC

Input Current: 1.8A Max

Output Voltage: 54V Max

Output Current: 2.1A

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The Larson Electronics EPLC2-LED-150W-RT-EB Explosion Proof LED Flood Light fixture provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures. This unit is equipped with an eyebolt for securing safety chains during installation.

This Class 1 Division 2, Class 2 Division 1 & 2 explosion proof LED flood light fixture provides high quality illumination while drawing only 150 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.

This LED light produces 21,000 lumens with a color temperature of 5600K 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).

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 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 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.

Mounting: The EPLC2-LED-150W-RT-EB offers an adjustable mounting system that allows this fixture to be mounted to any flat surface including walls and ceilings. An eyebolt on the housing allows operators to secure a safety chain during installation. The chain acts as a secondary safety mechanism, in the event the main mounting system breaks or fails.

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)









EPLC2-LED-150W-RT-EB

Product ID: 154044

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLC2-LED-150W-RT-EB-Voltage-Beam Angle-Color Temp

Example: EPLC2-LED-150W-RT-EB-1227-60B-56K

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

Beam Angle	
60°	-60B
125°	-125B

Color Temp	
5600K	-56K
4500K	-45K
3000K	-30K

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](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic9](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)