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EPL-LED-150LED-RT-LV-BC-RPS-C1D1.C1D2-M1

150W Explosion Proof Battery-powered LED Fixture - 24V - (12) 12V 40aH Batteries, Disconnect, Ext. BC - 10Hr Runtime

Product ID: 278375

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-LED-150LED-RT-LV-BC-RPS-C1D1.C1D2-M1 Explosion Proof Battery Powered LED Light Fixture

Listing: NRTL Listed for United States & Canada
Lamp Technology: LED
Lamp Dimensions: 16" x 22" x 18"
Weight: -
Voltage: 24V DC
Total Watts: 150W
Lumens: 17,500
Luminous Efficacy: 116.67 Lm/W
LED Lamp Life Expectancy: 50,000+ Hours
Color Temp: 5,000K
Color Rendering Index: 75
Beam Angle: 60° or 125°
Lighting Configuration: Flood Beam
Power Efficiency: >95%
Power Factor: 0.992
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: Trunnion Mount Fixture w/ Bar Clamp Mount
Battery: (12) 12V 40aH Batteries, Wired for 24V Output

Ratings/Approvals

Explosion Proof Light Ratings
Class I, Division 1
NRTL Certified to UL 1598
NRTL Certified to C22.2 No. 137 Rev 2009
NRTL Certified to C22.2 No. 250.0
NRTL Certified to C22.2 No. 30-M-1986 Rev 2012
T5 Temperature Rating
Paint Spray Booth Approved
IEC 60529 Tested
IP67 Rated Waterproof
Multiple Driver Banks
80% Lumen Retention after 60,000 Hours
Factory Sealed Light Fixture
Recommended 10`-30` Mounting Height

Battery Enclosure Rating
Class I, Division 2

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671

System Runtime: 10 Hours

External Battery Charger: Included, Non-class Rated/General Area Only

Inline Disconnect: Included C1D1, from Light to Battery Box

Intl: 1-903-270-1187

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Made in Texas

The EPL-LED-150LED-RT-LV-BC-RPS-C1D1.C1D2-M1 Explosion Proof Battery-powered LED Fixture from Larson Electronics is ideal for illuminating combustible locations and remote industrial facilities. This lighting system consists of an explosion proof 150-watt LED lamp, twelve 40aH batteries wired in 24V output, external battery charger and inline disconnect. The explosion proof LED light offers 10 hours of runtime at full charge.

The EPL-LED-150LED-RT-LV-BC-RPS-C1D1.C1D2-M1 is a complete battery-powered lighting solution for illumination in combustible sites. An explosion proof 150-watt LED lamp provides 17,500 lumens of white light with a color temperature rating of 5,000K. Featuring a flood beam pattern, the low voltage unit can accommodate wide spaces. The explosion proof light is constructed of cast aluminum with a hardened borosilicate glass lens.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. 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 is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. Solid state LED lighting is also safer for the environment as LEDs are 100% recyclable. And recycling simultaneously reduces operating costs by eliminating the need for the expensive special disposal services required with traditional gas burning and arc type lamps.

Battery: Twelve, 12V batteries wired to 24V output offers 10 hours of runtime per full charge. The batteries are protected by a Class I, Division 2 rated hazardous location enclosure. This system comes with an external, non-class rated/general area battery charger for charging the batteries outside of the hazardous location.

Wiring: The EPL-LED-150LED-RT-LV-BC-RPS-C1D1.C1D2-M1 ships with a Class I, Division 1 inline disconnect between the fixture and the battery box. This allows the batteries to be charged seamlessly outside of the hazardous location.

Mounting: The explosion proof fixture features a trunnion bracket with bar clamp mount.

Applications: Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste treatment plants, agricultural sites, grain storage facilities 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.

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Frequently Asked Questions (FAQ)

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Product ID: 278375

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-LED-150LED-RT-LV-BC-RPS-C1D1.C1D2-M1-Beam Angle

Example: EPL-LED-150LED-RT-LV-BC-RPS-C1D1.C1D2-M1-60B

Beam Angle	
60°	-60B
125°	-125B

Links (Click on the below items to view):

- **HigResPic1**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**