

EXP-LED-FX2

Intrinsically Safe - Dual Beam- LED Flashlight - Push Button Switch - 240 Lumens

Product ID: 48483

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: EXP-LED-FX2

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.

EXP-LED-FX2 Intrinsically Safe LED Flashlight

Lamp Type: LED

Case Dimensions: 7"L x 1.5"W x 1.1"H

Light Head Dimensions: 1.8" Diameter

Weight: 6.9 Ounces

Battery Type: (3) AA Batteries

Battery Runtime: 17.5 Hours (Spot), 17.5 Hours (Flood), 4.5 Hours (Dual)

Total Watts: -

Lumens: 120 (Spot), 120 (Flood), 240 (Dual)

Candela: 7,250

Lux @ Lens: -

Lux @ 10': -

Lamp Life: 50,000+ Hours

Color Temp: 4500K

Lighting Configuration: Flashlight, Floodlight or Dual Operation

Ambient Operating Temp: -20°C to +40°C

Operating Temp Rating: T3

Housing Material: Non-Slip Engineered Polymer

Housing Color: Green

Lens Material: Polycarbonate

Mounting: Handheld/Portable

Ratings/Approvals:

Listed for United States, Canada, Europe

Class I, Division 1 & 2, Groups A, B, C, D

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

Class I, Zone 0, AEx ia IIC T3 Ga

ATEX I M 1 Ex ia I Ma

ATEX II 1 G Ex ia IIC T3 Ga

IECEX Ex ia I Ma

IECEX Ex ia IIC T3 Ga

MSHA Rated

T3 Temperature Rating

2 Meter Drop Rating

Special Orders - Special Requirements

Contact us for special requirements

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Intl: 1-903-270-1187

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E-mail: sales@larsonelectronics.com

The EXP-LED-FX2 from Larson Electronics is an Intrinsically Safe LED Flashlight that is designed to handle the demands of working within hazardous locations and environments where potentially explosive vapors, gases and other volatile compounds may be encountered. The non-slip engineered polymer case on this intrinsically safe LED flashlight is superior to standard aluminum or steel flashlights due to the fact that it will not become slippery or lose grip even when operators have greasy or oily hands. A convenient clip allows the light to be attached to a pocket or belt so that it is never far out of reach.

This intrinsically safe LED flashlight produces a powerful 120 lumen light beam and adds extra functionality and utility through the inclusion of an independently operable secondary flood type beam. The main beam from this compact and lightweight LED flashlight is tightly focused to produce a far reaching beam of bright white light. A secondary beam can be operated independently of the main light to produce a 120 lumen flood pattern of light useful for close work and general illumination. Either beam can be operated alone to produce an 120 lumen spotlight or floodlight beam, or in combination to produce a total of 240 lumens of light. This LED flashlight is versatile, rugged and can serve in industrial, public and tactical applications with ease.

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. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Both the flood and spot beams of this flashlight are actuated via their own momentary or constant on switches. The high intensity LEDs used in this flashlight produce 120 lumens of light each and offer 50,000 hour lifespans. These high efficiency LEDs produce a 14 hour runtime on a single set of three AA batteries when operating only one light beam, and a 7 hour runtime when operating both beams together in combination. The housing is constructed of lightweight and chemical resistant Polycarbonate/ABS Alloy that offers non-slip grip and high durability. This LED flashlight is impact and vibration resistant, is also waterproof and comes with an included lanyard and pocket clip for easy carrying convenience. This intrinsically safe flashlight is approved Class I, Division 1 & 2, Groups A, B, C, D and Class II, Division 1 & 2, Groups E, F, G while also offering users the highest level of hazardous location protection available while providing the safety and efficiency of brilliant LED illumination. The EXP-LED-FX2 is cETLus, ATEX, IECEx, INMETRO and MSHA listed as Intrinsically Safe Permissible.

Durability: The EXP-LED-FX2 LED flashlight features an engineered polymer housing never

becomes slippery or loses grip even due to greasy/oily hands and other similar work conditions. This non-slip case material greatly reduces the chances of dropping this LED flashlight. However, this flashlight is also impact resistant from heights up to 2 meters and vibration resistant so that if a drop does occur the light is unlikely to withstand any damage. An IP67 waterproof ratings further adds to the durability and versatility of this intrinsically safe LED flashlight.

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.

High Quality Features

1. High Intensity LEDs - 240 Lumens
2. Two Momentary/Constant On Switches
3. Single or Tandem Light Beam Operation
4. IP67 Waterproof
5. Chemical/Impact Resistant
6. 14 hour Runtime
7. Intrinsically Safe Approval
8. Lanyard/Clip Carry
9. Lightweight
10. Engineered Non-Slip Polymer Housing

Superior LED Benefits

1. 50,000+ 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.



Frequently Asked Questions (FAQ)

There are no Faqs



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EXP-LED-FX2

Product ID: 48483

Warranty: 36 Months.

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EXP-LED-FX2-Color

Example: EXP-LED-FX2-BLK

Color	
BLACK	-BLK
GREEN	-GRN

Links (Click on the below items to view):

- **Dimensional Drawing 2D** (<https://www.larsonelectronics.com/images/product/DimensionalDrawing/48483.PDF>)
- **Operations Manual** (<https://www.larsonelectronics.com/images/product/Manual/48483.PDF>)
- **SpecSheetFarsi** (<https://www.larsonelectronics.com/images/product/SpecSheetFarsi/48483.PDF>)
- **SpecSheetFrench** (<https://www.larsonelectronics.com/images/product/SpecSheetFrench/48483.PDF>)
- **SpecSheetRussian** (<https://www.larsonelectronics.com/images/product/SpecSheetRussian/48483.PDF>)
- **SpecSheetSpanish** (<https://www.larsonelectronics.com/images/product/SpecSheetSpanish/48483.PDF>)
- **HigResPic1** (<https://www.larsonelectronics.com/images/product/HigResPic1/48483.JPG>)
- **HigResPic2** (<https://www.larsonelectronics.com/images/product/HigResPic2/48483.JPG>)
- **HigResPic3** (<https://www.larsonelectronics.com/images/product/HigResPic3/48483.JPG>)
- **HigResPic4** (<https://www.larsonelectronics.com/images/product/HigResPic4/48483.JPG>)
- **HigResPic5** (<https://www.larsonelectronics.com/images/product/HigResPic5/48483.JPG>)
- **HigResPic6** (<https://www.larsonelectronics.com/images/product/HigResPic6/48483.JPG>)
- **Video1** (<http://www.youtube.com/watch?v=iWonaI9tvWY>)
- **Video2** (<http://www.youtube.com/watch?v=6XGicwcWIdU>)
- **ISO 9001 Certification** (<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate** (<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map** (<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)