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EXP-LED-FX2-2M

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

Product ID: 148966

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.

EXP-LED-FX2-2M Intrinsically Safe LED Flashlight
Lamp Type: LED
Case Dimensions: 7.2"-Length, 1.1" x 1.5"- Handle
Light Head Dimensions: 1.8" -D
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
Lens Material: Polycarbonate
Mounting: Handheld/Portable, Dual Magnets, Clip
Housing Color: Green

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
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The EXP-LED-FX2-2M 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, while dual magnets provide instant horizontal or vertical mounting.

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-FX2-2M is cETLus, ATEX, IECEx, INMETRO and MSHA listed as Intrinsically Safe Permissible.

Durability: The EXP-LED-FX2-2M 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.

Mounting: This intrinsically safe LED flashlight features several portable mounting options for flammable work sites. A built-in clip allows operators to attach the lamp on pockets, ropes, chains and other small openings. Dual magnets cater to both horizontal and vertical mounting on compatible surfaces. For horizontal mounting, operators can use the magnet located at the bottom of the handle.

Another powerful magnet located on the exposed part of the clip offers vertical mounting.
Applications: Hazardous locations, inspections, mining, rugged environments, portable lighting, monitoring, security, oil and gas, refineries, agricultural sites, chemical manufacturing 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)









Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **SpecSheetSpanish**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**