
EXP-LED-F4W-RED-MM

4W Explosion Proof LED Flashlight - 100 Lumens - IP67 - Red Lens - Ideal for Merchant Marines

Product ID: 151026

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-F4W-RED-MM Intrinsically Safe LED Flashlight w/ Red Lens

Lamp Type: LED
Case Dimensions: 7.125"L x 1.75"W x 2"H
Weight: 7 Ounces
Battery Type: (3) AA Batteries
Battery Runtime: 26 Hours
Total Watts: 4
Lumens: 100
Candela: 7,500
Lux @ Lens: 145,400
Lux @ 10': 599
Lamp Life: 30,000+ Hours
Lens Color: Red
Lighting Configuration: Single Beam
Ambient Operating Temp: -20°C to +40°C
Operating Temp Rating: T3
Housing Material: Polypropylene Nylon
Housing Color: Black, Green or Orange
Lens Material: Polycarbonate
Mounting: Handheld/Portable

Ratings/Approvals:

UL 913 CSA C22.2
Class I Divisions 1 & 2 Groups A, B, C, D
Class II Division 1 Groups E, F, G
Class II Division 2 Groups F, G
Class III
ATEX II1GD Ex ia IIC T3 Ga
ATEX Ex ia IIIB T195°C Da
IECEX Ex ia IIC T3 Ga
IECEX Ex ia IIIB T195°C Da
T3 Temperature Rating
1 Meter Drop Rating
Ideal for Merchant Marines

Made in the USA

The EXP-LED-F4W-RED-MM from Larson Electronics is an Intrinsically Safe LED Flashlight with Red Lens 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 polypropylene nylon 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. This ergonomic and tactical intrinsically safe LED flashlight features a knurled design to offer operators a superior gripping surface for maximum control of the approximately 560 foot long beam of red light this flashlight is capable of projecting. The EXP-LED-F4W-RED-MM is an ideal flashlight for use by Merchant Marine sailors, mariners and officers in operations both onboard and offboard merchant vessels.

This intrinsically safe LED flashlight produces a powerful 100 lumen red light beam that can illuminate objects up to 560 feet away from the operator. The main beam from this compact and lightweight LED flashlight is tightly focused to produce a far reaching beam of bright red light. This LED flashlight is versatile, rugged and can serve in industrial, public and tactical applications with ease. Rated IP67 waterproof for submersion in up to one meter of water and a one meter drop rating make this intrinsically safe LED flashlight ideal for a wide range of rough use conditions and environments that may be hazardous or potentially explosive.

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.

The red spot beam of this LED flashlight is actuated via a push button switch for easy accessibility. The high intensity LED used in this flashlight produces 100 lumens of light each and offers a 30,000 hour lifespan. The high efficiency LED produces a 26 hour runtime on a single set of three AA batteries when operating the light beam. The housing is constructed of lightweight and chemical resistant polypropylene nylon that offers superior chemical resistance and high durability. This LED flashlight is impact and vibration resistant and is IP67 waterproof. This intrinsically safe flashlight is approved Class I, Divisions 1 & 2, Groups A, B, C, D, Class II Division 1 Groups E, F and G, Class II Division 2 Groups F and G, and Class III.

Durability: The EXP-LED-F4W-RED-MM LED flashlight features a durable polypropylene nylon housing and a knurled ergonomic design that offers operators a high level of grip and gives the flashlight a high degree of durability. This flashlight is impact resistant from heights up to 1 meter 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.

High Quality Features

1. High Intensity LED - 100 Lumens
2. Easily accessible push button
3. Single Beam Operation
4. IP67 Waterproof
5. Chemical/Impact Resistant
6. 26 hour Runtime
7. Intrinsically Safe Approval
8. Knurled design for easy grip.
9. Lightweight
10. Durable polypropylene nylon Housing

Superior LED Benefits

1. 30,000+ 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.