

## EXPRL-91

### Intrinsically Safe Flashlight - Rechargeable LED Flashlight with Spot and Flood Beams

Product ID: 1843



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.

#### EXPRL-91 Intrinsically Safe

Lamp Type: LED Light Emitting Diode

Dimensions: Dia-1.25" Length-9.6 "

Weight: 10 Oz

Power: Rechargeable NiMH Batteries

Runtime: 6 hrs Spot Mode, 2 Hours Dual Beam Mode

Lumens: 160 Spot Beam- 200 Flood Beam 360 Total Dual Mode

Lamp Life: 50,000 hrs

Operating Temp Range: 30°C to +60°C

Waterproof: Yes- Rated to 1 Meter

LUX Measurements:-Flood At lens: 64,600 At 10 ft: 23

LUX Measurements-Spot: At lens: 166,800 At 10 ft: 111

[Explosion Proof Light Design Description](#)

[Spanish Spec Sheets for Two Way LED Explosion Proof Light](#)

#### NTRL Listing

Class 1, Div 1, 2 Groups C, D

Class 2 Div 1, 2 Groups E, F, G

Explosion Proof/Intrinsically Safe

Class 3 Div 1 & 2

FCC approved Part 15 and 18

No EM interference with communication or acute care medical electronics

Waterproof to 1 Meter

#### Special Orders - Special Requirements

Contact us for special requirements

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#### **Made in The USA**

The EXPRL-91 Explosion Proof-Intrinsically Safe LED Flashlight 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.

This intrinsically safe LED flashlight comes with a lifetime warranty and produces a powerful 160 lumen spotlight light beam and 200 lumens in floodlight mode. This LED flashlight adds extra functionality and utility through the inclusion of a secondary flood type beam. The main beam from this compact and lightweight LED flashlight is designed to produce a beam of bright white light capable of reaching over 25 feet in length. A secondary flood beam can be operated independently of the main light to produce a 200 lumen flood pattern of light covering approximately 15 square feet, useful for close work and general illumination.

Either beam can be operated alone to produce a 160 lumen spotlight or 200 lumen floodlight beam, or in combination to produce a total of 360 lumens of light. Made in the USA, this explosion proof LED flashlight offers 6 hours of runtime in flashlight mode, 5 hours in floodlight mode, and 2 hours with both spot and flood beams engaged. This intrinsically safe flashlight comes with a 100 VAC to 240 VAC at 50/60 HZ - wall outlet plug and 12 VDC vehicle cigarette plug for versatile charging options. This LED flashlight is versatile, rugged and ideal for industrial, public and commercial applications where an intrinsically safe source of illumination is required.



[Click Photo to Enlarge](#)

Both the flood and spot beams of this flashlight are actuated via a momentary or constant on switch that can be easily manipulated even while wearing gloves. The high intensity LEDs used in this flashlight can produce a 160 lumen spot beam or a 200 lumen flood beam of light or a 360 lumen combination of each, and offer 50,000 hour lifespans. These high efficiency LEDs produce a 6 hour runtime when operating in spot mode and a 2 hour runtime when operating in dual beam mode.

The housing is constructed of lightweight and chemical resistant polymer that offers a checkered non slip grip and high durability. This LED flashlight is impact and vibration resistant, waterproof to one meter, and comes with an included 120-240 VAC and 12 VDC vehicle plug charging unit for convenient recharging. This intrinsically safe flashlight is approved Class 1, Div 1 & 2, Class 2, Div 1 & 2 and offers users the best hazardous location protection available while providing the safety and efficiency of brilliant LED illumination.

#### **Charging System:**

**Versatile configuration works on 12 VDC and 100 VAC to 240 VAC at 50/60 HZ - wall outlet plug and vehicle cigarette plug included.**

**Single quick release cradle can be desk or wall mounted and vehicle mounted with DC connection provided.**

**Fast charge rate - full charge in 3 hours from fully depleted state - overcharge protection and LED indicators to show battery status.**

**Energy and function management system assures maximum energy capacity with no risk of over-charge and lower operating cost.**

#### **Battery Pack:**

**Medical grade, rechargeable NiMH.**

**Full charge every charge with no capacity degradation due to recharge memory.**

**1000+ recharge cycles.**

**Earth Friendly NiMH battery does not pollute the environment.**

#### **High Quality Construction**

1. High Intensity LEDs- 360 Total Lumens
2. Momentary/Constant On Switch
3. Single or Tandem Light Beam Operation
4. Waterproof
5. Chemical/Impact Resistant
6. 6 hour Runtime
7. Intrinsically Safe Approval
8. Non slip polymer housing.
9. Wall outlet plug/vehicle cigarette plug included

#### **Superior LED Benefits**

1. Extreme long life.
2. High efficiency and low amp draw.
3. High durability and reliability.
4. Small size and light weight.
5. 100% recyclable.
6. No toxins-lead, mercury.
7. High light output..
8. Consistent color over time.
9. High Versatility.
10. No fragile glass used in construction.
12. Vibration/impact resistant.

## **Frequently Asked Questions (FAQ)**