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EXP-LED-HL-X2

Intrinsically Safe Dual Lamp Headlamp - Five Mode Class 1 Division 1 Headlight - Spot/Flood Beam

Product ID: 1744

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-HL-X2 Intrinsically Safe

Lamp Type: Cree LED United States-Canada

Dimensions: Lamp and Battery Pack - 3.3" -W 3.3" -H 3.5" -D

Weight: 9.5 oz

Power: 3 AA Alkaline Batteries

Runtime: 18 (Spot), 13.5 (100% Flood), 75 (50% Flood), 37 (Red), 6.5 (Dual Spot+Flood)

Lumens: 130 (Spotlight), 100 (100% Flood), 25 (50% Flood), 190 (Dual Spot+Flood)

Lamp Life: 50,000 hrs(Spot), 35,000 hrs (Flood/Red)

Available Colors: Green

Waterproof: Yes- Rated to 1 Meter

Mounting: Elastic Head Strap or Rubber Hard Hat Strap

Ratings/Approvals

Listed United States, Canada, IECEx, ATEX, MSHA
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
Class I, Zone 0, Ex 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
T3 Temperature Ratings

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The EXP-LED-HL-X2 Intrinsically Safe LED Headlight is ideal for a wide

variety of uses including Industrial Safety, Public Works & Utilities, Law Enforcement, Hardware/Tool, Automotive, Marine, Sporting Goods and Consumer applications.

Three high intensity LED emitters mounted within a lightweight housing provide up to 18 hours of useable light and can be either worn on the head or attached to a hard hat with the included elastic or rubber straps. The EXP-LED-HL-X2 explosion proof LED headlight from Larson Electronics produces an intense light beam while providing up to 18 hours of illumination. Three high intensity LEDs mounted within an impact resistant housing is powered by 3 AA batteries to produce a long lived light beam of up to 170 lumens in output. Included with this explosion proof headlight are an elastic headstrap and a rubber hard hat strap to allow users to either wear the unit directly or mount it to their hard hats for ease of operation. Featuring a housing constructed of impact resistant engineering resin that has been drop test verified from 2 meters, an unbreakable polycarbonate lens, and an IPX7 waterproof rating tested at 1 meter, this headlight provides users with a highly convenient and safe light source that leaves their hands free for work operations. This headlamp features three high output LEDs for up to five modes of illumination. The adjustable rubber straps allow this unit to be mounted to hard hats without slipping, and will fit all head sizes.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

Two rubber dome push button switches allows easy operation between modes even when wearing gloves. The right push button operates the spotlight, whereas the left switches between full power floodlight, half power floodlight, and red floodlight. The spotlight produces 100 lumen and a beam reaching over 450 feet in distance with an 18 hour runtime. The full power floodlight produces 90 lumens with a 13.5 hour runtime. The half power floodlight produces 20 lumens with a 75 hour runtime. The red floodlight produces 18 lumens with a 37 hour runtime. Operators can activate both spotlight and floodlight beams for up to 175 lumens and a 6.5 hour runtime.

ETL Classified Class I, Division 1, Groups A, B, C, D, Class 2 Division 1 Groups E, F, G, Class III Temperature Code: T4, this light is safe for use in environments containing gases, vapors and various dusts. This unit will operate for to 18 hours on a fresh set of AA batteries, and as battery power drops, output declines to 25% at the end of battery life.

Note: Hard hat shown not included.

High Quality Construction

1. High Intensity LEDs- 100 Lumens
2. Two Momentary/Constant On Switches
3. Single or Tandem Light Beam Operation
4. Waterproof
5. Chemical/Impact Resistant
6. 14 hour Runtime
7. Intrinsically Safe Approval
8. Lightweight

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.

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Frequently Asked Questions (FAQ)



Hard Hat Shown Not Included.







EXP-LED-HL-X2

Product ID: 1744

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

Options:

EXP-LED-HL-X2-Secondary LED

Example: EXP-LED-HL-X2-RED

Secondary LED	
RED	-RED
GREEN	-GREEN

Links (Click on the below items to view):

- ATEX Certificate (European Explosion Proof)
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 3, Misc
- IEC Ex Certificate (International Explosion Proof)
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- SpecSheetArabic
- SpecSheetFrench
- SpecSheetSpanish
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map