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RL-85-HID-RED

15 Million Candlepower HID Spotlight w/ Red Lens - 1900' Spot Beam - 35 Watt HID - 120V Wall Charger

Product ID: 48351



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.

RL-85-HID-RED Spotlight
Lamp Type: High Intensity Discharge (HID)
Dimensions: Handle- 4.5"-L 1.5"-Depth 5/8" W
Weight: 3 Lbs 6.Oz
Watts: 35 watts
Voltage: Rechargeable- 120 VAC Wall Outlet Charging Unit
Output:: 15 Million Candlepower
Lamp Life Expectancy: 4500 Hours
Beam Lux in Spot: N/A
Beam Lux in Flood: N/A
Battery : Lithium Ion
Charge Time: 8 hours
Beam Type : Adjustable, Spot or Flood
Color : Red

3 year warranty replacement on this HID light. After 30 days, the customer ships the failed light to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

Features
High Output 35 Watt HID Bulb
Lightwieght Ergonomic Design
No Tools Field Serviceable
45 Minute Runtime
Heavy Duty Nylon/ Polycarbonate Construction
Rechargeable Lithium Ion Battery
Red Hunting Lens

Special Orders- Requirements
Contact us for special requirements
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Buy American Compliant

The Larson Electronics RL-85-HID-RED is an extremely rugged and powerful spotlight designed to provide maximum output and complete portability. This spotlight is fitted with a red hunting lens and produces a light beam capable of reaching over 1900 feet in length. An included rechargeable lithium ion battery pack provides 45 minutes of runtime and high impact

nylon and unbreakable polycarbonate construction provides light weight operation and extreme durability.

This light weight and waterproof 35 watt HID spotlight is fitted with a red lens for hunting applications and is ergonomically designed to produce a well balanced and easily managed handheld light source that can withstand demanding conditions and use. The entire unit weighs only 3 lbs 6 oz and is constructed with a high impact nylon handle and lamp housing and a thick polycarbonate lens for extreme durability. The unique lens and reflector design of this unit allows it to produce a high quality spotlight beam with exceptional intensity and long reach without irregularities or lens artifacts. The included red lens makes this unit well suited for hunting predators at night as they are less sensitive to light in the red end of the light spectrum.

Users can also lift the locking tab behind the lamp housing and rotate the lamp head to adjust the beam configuration. Rotating the housing adjusts the beam from a wide, soft flood pattern to a tight, spot beam reaching up to 1900 feet in length. Continued rotation to the extreme disconnects the lamp head from the handle assembly, allowing operators to quickly and easily replace the bulb when necessary. Backed by a 3 year warranty, our RL-85-HID-RED rechargeable handheld spotlight is ideally suited for hunting applications and spotting.

"When it comes to hunting predators I want every advantage I can get. I trust my success to Larson Electronics. They are without a doubt the best spotlight you can find for night hunting." - Dustin Butler, Team Foxpro







Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge



This units' reflector is designed to provide maximum efficiency and power by capturing and focusing all of the light produced by the 35 watt HID bulb. The shallow convex lens produces minimal light loss and beam spillage with over 90% of the produced light concentrated and focused. While many typical spotlights lose as much as 50% of their output to light escaping around the lens and creating beam spillage, our spotlight produces a well focused and directed light beam of excellent intensity and power. The 35 watt bulb in this unit is rated at 4500 hours of operational life and produces 15 million rated candlepower.

The compact lithium ion battery pack is recharged in 8 hours by an included 120 VAC wall outlet plug in charging unit and provides 45 minutes of operation. A booted push button switch provides easy one finger operation and the no-slip textured surface of the handle provides a sure grip even in wet conditions. A lanyard attachment at the top of the handle adds further protection against dropping should operators lose their grip.

The ergonomic handle is 4.5 inches long, 1.5 inches deep and 5/8 inch thick, and the battery pack casing is approximately 4.5"L X 3.5"W X 2.5"D. The RL-85-HID-RED spotlight is designed for easy field maintenance with simple internal connectors accessed through the snap in base at the bottom of the handle and a lamp housing that is easily removed to access the bulb and wiring. No tools are required to change any part of the light including the bulb and battery pack.

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5 inch lens



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7 inch lens (Optional)

We also now offer a 5 inch diameter and a 7 inch diameter lens. Although the difference is not significant, the 5 inch lens produces a tighter spot beam while the 7 inch lens produces a wider coverage flood pattern.


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RL-85-HID


RL-85-HID-7



MATERIAL SAFETY DATA SHEET

Model ICR18650S3 Lithium Ion Rechargeable Battery

LG CHEMICAL LTD

1. Chemical Product and Company Identification

Product Identification

LG CHEM ICR18650S3 Lithium-Ion Battery

Manufacturer

LG Chemical Ltd.
Twin Tower
Youido-Dong 120, Youngdeungpo-Ku
Seoul, Korea

Emergency Telephone Number

82-2-3773-7256

2. Composition Information

Hazardous Ingredients	%	CAS Number
Aluminum Foil	2-10	7429-90-5
Metal Oxide (proprietary)	20-50	
Polyvinylidene Fluoride (PVDF)	<5	24937-79-9
Copper Foil	2-10	7440-50-8
Carbon (proprietary)	10-30	7440-44-0
Electrolyte (proprietary)	10-20	
Stainless steel, Nickel and inert materials	Remainder	N/A

* Equivalent Lithium Content: 0.66g, Electric Power Capacity: 7.92Wh

3. Hazards Identification

Emergency Overview

May explode in a fire, which could release hydrogen fluoride gas.
Use extinguishing media suitable for materials burning in fire.

Primary routes of entry

Skin contact	:	NO
Skin absorption	:	NO
Eye contact	:	NO
Inhalation	:	NO
Ingestion	:	NO

Symptoms of exposure

Skin contact
No effect under routine handling and use.

Skin absorption
No effect under routine handling and use.

Eye contact
No effect under routine handling and use.

Inhalation
No effect under routine handling and use.

Reported as carcinogen
Not applicable

4. First Aid Measures

Inhalation
Not a health hazard.

Eye contact
Not a health hazard.

Skin contact
Not a health hazard.

Ingestion
If swallowed, obtain medical attention immediately.

IF EXPOSURE TO INTERNAL MATERIALS WITHIN CELL DUE TO DAMAGED OUTER CASING, THE FOLLOWING ACTIONS ARE RECOMMENDED ;

Inhalation
Leave area immediately and seek medical attention.

Eye contact
Rinse eyes with water for 15 minutes and seek medical attention.

Skin contact
Wash area thoroughly with soap and water and seek medical attention.

Ingestion
Drink milk/water and induce vomiting; seek medical attention.

5. Fire Fighting Measures

General Hazard
Cell is not flammable. Combustion products include, but are not limited to hydrogen fluoride, carbon monoxide and carbon dioxide.

Extinguishing Media
Use extinguishing media suitable for the materials that are burning.

Special Firefighting Instructions
If possible, remove cell(s) from fire fighting area. If heated above 160°C, cell(s) may explode/vent.

Firefighting Equipment
Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

6. Accidental Release Measures

On Land
Place material into suitable containers and call local fire/police department.

In Water
If possible, remove from water and call local fire/police department.

7. Handling and Storage

Handling
No special protective clothing required for handling individual cells.

Storage
Store in a cool, dry place.

8. Exposure Controls / Personal Protection

Engineering controls

Keep away from heat and open flame. Store in a cool dry place.

Personal Protection

Respirator

Not required during normal operations. SCBA required in the event of a fire.

Eye/face protection

Not required beyond safety practices of employer.

Gloves

Not required for handling of cells.

Foot protection

Steel toed shoes recommended for large container handling.

9. Physical and Chemical Properties

State	Solid
Odor	N/A
PH	N/A
Vapor pressure	N/A
Vapor density	N/A
Boiling point	N/A
Solubility in water	Insoluble
Specific gravity	N/A
Density	N/A

10. Stability and Reactivity

Reactivity
None

Incompatibilities
None during normal operation. Avoid exposure to heat, open flame, and corrosives.

Hazardous Decomposition Products
None during normal operating conditions. If cells are opened, hydrogen fluoride and carbon monoxide may be released.

Conditions To Avoid
Avoid exposure to heat and open flame. Do not puncture, crush or incinerate.

11. Toxicological Information

This product does not elicit toxicological properties during routine handling and use.

Sensitization	Teratogenicity	Reproductive toxicity	Acute toxicity
NO	NO	NO	NO

If the cells are opened through misuse or damage, discard immediately. Internal components of cell are irritants and sensitizers.

12. Ecological Information

Some materials within the cell are bioaccumulative. Under normal conditions, these materials are contained and pose no risk to persons or the surrounding environment.

13. Disposal Considerations

California regulated debris

RCRA Waste Code : Nonregulated

Dispose of according to all federal, state, and local regulations.

14. Transport Information

Lithium Ion batteries are considered to be "Rechargeable batteries" and meet the requirements of transportation by the U.S. Department of Transportation(DOT), International Civil Aviation Administration(ICAO), The 50th edition of International Air Transportation Association(IATA, 2009) special provision A45/A154 and belong to non-dangerous goods.

15. Regulatory Information

OSHA hazard communication standard (29 CFR 1910.1200)

_____Hazardous ____✔___Non-hazardous

Frequently Asked Questions (FAQ)