



REDLITHIUM™ USB HARD HAT HEADLAMP Cat. no.: L4 HL

IMPORTANT SAFETY INSTRUCTIONS

WARNING READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS** - THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR REDLITHIUM™ USB BATTERIES AND THE REDLITHIUM™ USB HARD HAT HEADLAMP.
2. **USE AND CHARGE ONLY REDLITHIUM™ USB BATTERIES IN THIS USB RECHARGEABLE LIGHT. OTHER TYPES OF BATTERIES MAY CAUSE PERSONAL INJURY AND DAMAGE.**
3. **BEFORE USING THE BATTERY AND LIGHT, READ THIS OPERATOR'S MANUAL AND ALL LABELS ON THE BATTERY AND LIGHT.**
4. **AVOID DANGEROUS ENVIRONMENTS.** Do not charge battery in rain, snow, damp or wet locations. Do not use battery or charger in the presence of explosive atmospheres (gaseous, fumes, dust or flammable materials) because sparks may be generated when inserting or removing battery, possibly causing fire.
5. **CHARGE IN A WELL VENTILATED AREA.** Do not allow smoking or open flames near a charging battery. Vented gases may explode.
6. **USE ONLY RECOMMENDED ATTACHMENTS.** Use of an attachment not recommended or sold by the battery charger or battery manufacturer may result in a risk of fire, electric shock or personal injury.
7. **TO REDUCE THE RISK OF ELECTRIC SHOCK,** always unplug charger before cleaning or maintenance.
8. **DO NOT BURN OR INCINERATE BATTERY PACKS.** Battery may explode, causing personal injury or damage. Toxic fumes and materials are created when battery are burned.
9. **DO NOT CRUSH, DROP, OR DAMAGE battery.** Do not use a battery or charger that has received a sharp blow, been dropped, run over, or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on).
10. **DO NOT DISASSEMBLE.** Incorrect reassembly may result in the risk of electric shock, fire or exposure to battery chemicals. If it is damaged, take it to a MILWAUKEE service facility.
11. **BATTERY CHEMICALS CAUSE SERIOUS BURNS.** Never allow contact with skin, eyes, or mouth. If a damaged battery leaks battery chemicals, use rubber or neoprene gloves to dispose of it. If skin is exposed to battery fluids, wash with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.
12. **DO NOT SHORT CIRCUIT.** A battery will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not place a battery pack near anything that may cause a short circuit, such as coins, keys or nails in your pocket. A short circuited battery may cause fire and personal injury.
13. **STORE in a cool, dry place.** Do not store battery where temperatures may exceed 50°C (120°F) such as in direct sunlight, a vehicle or metal building during the summer.
14. **TO REDUCE THE RISK OF INJURY, CLOSE SUPERVISION IS NECESSARY** when an appliance is used near children.
15. **STORE IDLE LIGHT OUT OF REACH OF CHILDREN.** Warm lights can become hazardous in the hands of children.
16. **KNOW YOUR LIGHT.** Read this manual carefully to learn your light's applications and limitations as well as potential hazards associated with this type of light.
17. **MAINTAIN LABELS AND NAMEPLATES.** These carry important information. If unreadable or missing, contact a MILWAUKEE service facility for a replacement.

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE REFERENCE.

ADDITIONAL BATTERY SAFETY RULES

WARNING To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

SPECIFICATIONS

Cat. No.	L4 HL
Power rated.....	6W
Ingress Protection.....	IP53
USB Input Volts.....	5V DC
USB Input Amps.....	0.1 - 2.1A
Output Volts.....	4V DC
Output Amps.....	2.1A
REDLITHIUM™ USB Batteries	
Volts.....	4V DC
Operating Temperature	
Battery and Charger.....	-4°C to 40°C (40°F to 104°F)
Battery and Tool.....	-18°C to 65°C (0°F to 149°F)

SYMBOLLOGY

- V Volts
- ⚡ Direct Current
- A Amps
- ⚠ Regulatory Compliance mark (RCM). This product meets applicable regulatory requirements.
- 📖 Read Operator's Manual
- ⚡ Do not stare at light source.
- ⚡ Class III protection

BATTERY

Maintenance and Storage

Do not expose your battery or cordless tools to water or rain, or allow them to get wet. This could damage the tool and battery. Do not use oil or solvents to clean or lubricate your battery. The plastic casing will become brittle and crack, causing a risk of injury. Store batteries at room temperature away from moisture. Do not store in damp locations where corrosion of terminals may occur. As with other battery types, permanent capacity loss can result if the pack is stored for long periods of time at high temperatures over 50°C (120°F). MILWAUKEE Li-Ion batteries maintain their charge during storage longer than other battery types. After about a year of storage, charge the battery as normal.

WARNING To reduce the risk of injury or explosion, never burn or incinerate a battery pack even if it is damaged, dead or completely discharged. When burned, toxic fumes and materials are created.

Disposing of MILWAUKEE Li-Ion Battery

MILWAUKEE Li-Ion batteries are more environmentally friendly than some other types of power tool batteries. Always dispose of your battery according to federal, state and local regulations. Contact a recycling agency in your area for recycling locations. Even discharged batteries contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery from shorting, which could cause a fire or explosion.

REDLITHIUM™ USB HARD HAT HEADLAMP

WARNING Use and charge only REDLITHIUM™ USB batteries in this USB rechargeable light. Other types of batteries may cause personal injury and damage.

Inserting the Battery

1. Open the battery door
2. Line up the battery with the compartment and fully insert the battery.
3. Close the battery door

Charging the Battery

1. Plug your USB cable into a power source such as an AC wall adaptor, computer or car port.
 2. Lift the rubber cover to expose the micro USB port.
 3. Insert the micro USB plug into the micro USB port.
- The indicator light will display the charging status:
- Red Flashing: Charging, 0-25% charged
 - Orange Flashing: Charging, 25-80% charged
 - Green Flashing: Charging, 80-99% charged
 - Green Solid: 99-100% charged
 - Red/Green Flashing: Damaged or Faulty Battery

If the light indicator flashes red and green, check that the battery is fully sealed into the bay. Remove the battery and reinsert. If the light continues to flash red and green, the battery may be extremely hot or cold, or wet. Allow the battery to cool down, warm up, or dry out and then reinsert. If the problem persists, contact a MILWAUKEE service facility.

Operation

WARNING To reduce the risk of injury, do not look directly into the light when the light is on.

Clip the light onto the strap and use the buckle to adjust the strap to the required size. Use the included clips to attach to a hard hat. Rotate the light up or down as needed.

Press the power button **⏻** to turn the light on and off. Press the mode button to cycle through Hybrid Spot/Flood, High Flood, Medium Flood, Low Flood and Spot.

The fuel gauge will display the battery life:

- Red Flashing: 0-10% remaining
- Red Solid: 10-25% remaining
- Orange Solid: 25-80% remaining
- Green Solid: 80-100% remaining

WARNING To reduce the risk of injury, always unplug the charger and remove the battery from the charger before performing any maintenance. The charger and battery have no internal serviceable parts. Never disassemble the battery or charger.

WARNING The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

Maintenance and Storage

Store your charger in a cool, dry place. As a general practice, it is best to unplug battery chargers and remove batteries when not in use. No battery damage will occur, however, if the charger and battery are left plugged in.

WARNING To reduce the risk of injury and damage, never immerse your battery or charger in liquid or allow a liquid to flow inside them.

Cleaning

Clean out dust and debris from charger vents and electrical contacts by blowing with compressed air. Use only mild soap and a damp cloth to clean the battery and charger, keeping away from all electrical contacts. Certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia. Never use flammable or combustible solvents around batteries, charger, or tools.

WARRANTY - AUSTRALIA AND NEW ZEALAND

Please refer to Australian and New Zealand warranty supplied with tool. This warranty applies only to product sold by authorised dealers in Australia and New Zealand.

SERVICE - AUSTRALIA AND NEW ZEALAND

MILWAUKEE® prides itself in producing a premium quality product that is Nothing But Heavy Duty™. Your satisfaction with our products is very important to us! If you encounter any problems with the operation of this tool, please contact your authorised MILWAUKEE® dealer.

For a list of MILWAUKEE® dealers, guarantee or service agents please contact MILWAUKEE Customer Service or visit our website.
(Australia Toll Free Telephone Number 1300 645 928)
(New Zealand Toll Free Telephone Number 0800 645 928)
or visit milwaukeeeetool.com.au/milwaukeeetool.co.nz.

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DESIGNED BY MILWAUKEE ELECTRIC TOOL CORP.

PROFESSIONALLY MADE IN CHINA
PRINTED IN CHINA