



REDLITHIUM™ USB HARD HAT HEADLAMP

IMPORTANT SAFETY INSTRUCTIONS

AWARNING **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 THE REDLITHIUM™ USB BATTERY AND USB RECHARGEABLE LIGHT.**
- 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. USE ONLY WITH POWER SUPPLY.** Others may result in a risk of fire, electric shock or personal injury.
- 5. 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.
- 6. CHARGE IN A WELL VENTILATED AREA. Do not block charger vents.** Keep them clear to allow proper ventilation. Do not allow smoking or open flames near a charging battery. Vented gases may explode.
- 7. MAINTAIN CORD.** When unplugging charger, pull plug rather than cord to reduce the risk of damage to the electrical plug and cord. Never carry charger by its cord. Keep cord from heat, oil and sharp edges. Make sure cord will not be stepped on, tripped over or subjected to damage or stress. Do not use charger with damaged cord or plug. Have a damaged charger replaced immediately.
- 8. 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.
- 9. TO REDUCE THE RISK OF ELECTRIC SHOCK,** always unplug charger before cleaning or maintenance.
- 10. 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.
- 11. 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).
- 12. 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.
- 13. 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.

- 14. DO NOT SHORT CIRCUIT.** A short-circuited battery pack may cause fire, personal injury, and product damage. A battery pack 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.
- 15. DO NOT ALLOW FLUIDS TO FLOW INTO BATTERY PACK.** Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.
- 16. 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.
- 17. TO REDUCE THE RISK OF INJURY, CLOSE SUPERVISION IS NECESSARY** when an appliance is used near children.
- 18. STORE IDLE LIGHT OUT OF REACH OF CHILDREN.** Warm lights can become hazardous in the hands of children.
- 19. 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.
- 20. MAINTAIN LABELS AND NAMEPLATES.** These carry important information. If unreadable or missing, contact a MILWAUKEE® service facility for a replacement.

ADDITIONAL BATTERY SAFETY RULES

AWARNING 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.

AWARNING Do not charge non-rechargeable batteries.

SPECIFICATIONS

Cat. No.	L4 HL2
Rated Voltage	4V DC
Rated Power Input.....	6W
USB Input Volts	5V DC
USB Input Amps	0.1 - 2.1 A
Protection class	IP54

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 60°C (0°F to 140°F)

SYMBOLLOGY



Volts



Direct Current



Amps



Do not state at operating light source.



Read Operator's Manual



Indoor Use Only



Class III appliance



Universal Serial Bus (USB)



Regulatory Compliance Mark (RCM). This product meets applicable regulatory requirements.



Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

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). **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.

USB RECHARGEABLE LIGHT

⚠ 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. Twist the light cap and remove.

2. Line up the battery arrow with headlamp arrow, and fully insert the battery.
3. Replace the light cap and twist to secure.

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 USB Type C port. Insert the USB Type C plug into the USB Type C port. Users may experience longer charge times from laptops and other power sources.
3. The indicator light will display the charging status:
Pulsing Red: Charging, 0-49% charged
Pulsing Yellow: Charging, 50-99% charged
Solid Green: 100% Charged
Red/Green Flashing: Damaged or faulty battery
If the light indicator flashes red and green, check that the battery is fully seated 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

⚠ CAUTION To reduce the risk of injury, do not stare at the operating light source.

Headlamp

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, Flood High, Flood Low, Spot High and Spot Low. The fuel gauge will display the battery life:

Green Solid: 50-100% remaining

Yellow Solid: 10-49% remaining

Red Solid: 4-9% remaining

Red Flashing: 0-3% remaining

During use, when the battery charge reaches 3%, the main LED and charge indicator will flash, indicating up to 5 minutes of runtime remains. Prior to immediate shutdown, the main LED will flash 3 times, then the tool will shutdown. Remaining runtime may be less than 5 minutes if the light is turned on when battery capacity is already 0-3%.

⚠ 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.

Maintenance and Storage

Store your light 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.

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

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 petrol, 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 milwaukeeetool.com.au/milwaukeeetool.co.nz.

Milwaukee Electric Tool Corporation

13135 West Lisbon Road, Brookfield, Wisconsin U.S.A. 53005

Milwaukee Tool (Australia)

26 - 40 Nina Link, Dandenong South,
Victoria, 3175, Australia

Milwaukee Tool (New Zealand)

274 Church Street, Penrose,
Auckland, 1061, New Zealand

DESIGNED BY MILWAUKEE ELECTRIC TOOL CORP.

PROFESSIONALLY MADE IN CHINA

PRINTED IN CHINA