

Lepro PR320019

Lepro Rechargeable LED Headlamp

Model: PR320019 - User Manual

1. INTRODUCTION

Thank you for purchasing the Lepro Rechargeable LED Headlamp. This headlamp is designed for versatility and durability, featuring both wide-angle COB illumination and focused XPE spot lighting, along with a convenient motion sensor. It is suitable for various activities such as camping, hiking, running, fishing, and emergency use. Please read this manual thoroughly before use to ensure proper operation and to maximize the product's lifespan.

2. SAFETY INFORMATION

- **Do Not Stare Directly into Light:** The LED light is very bright. Avoid direct eye exposure to prevent temporary vision impairment.
- **Keep Away from Children:** This product is not a toy. Store it out of reach of children.
- **Battery Safety:** Do not attempt to replace the built-in lithium polymer battery. Do not expose the headlamp to extreme temperatures or fire.
- **Water Resistance:** The headlamp is IP44 rated, meaning it is protected against splashing water from any direction. Do not submerge it in water.
- **Charging:** Use only a 5V/1A power adapter for charging. Do not use damaged cables or chargers.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- LED Headlamp x 1
- USB Type-C Charging Cable x 1
- User Manual x 1

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your headlamp:

- **COB Wide Beam LED:** Provides 230° wide-angle illumination.
- **XPE Spot Beam LED:** Offers focused, long-distance lighting.
- **Power/Mode Button:** Controls power and cycles through lighting modes.
- **Sensor Button:** Activates/deactivates the motion sensor function.
- **USB Type-C Charging Port:** For recharging the internal battery.
- **Adjustable Headband:** Elastic and comfortable for various head sizes.
- **Adjustable Lamp Angle:** The XPE light can be adjusted up to 45 degrees.



Image: Overview of the Lepro Headlamp, highlighting its COB and XPE LEDs, control buttons, and adjustable strap.

5. SETUP

To prepare your headlamp for use:

1. **Adjust Headband:** Place the headlamp on your head and adjust the elastic strap to a comfortable and secure fit. The strap is highly elastic and adjustable in length.
2. **Charge Battery:** Before first use, fully charge the headlamp using the provided USB Type-C cable. Refer to the "Charging" section for details.

6. OPERATING INSTRUCTIONS

The headlamp features a Power/Mode button and a Sensor button.

Power/Mode Button Operation:

1. **Turn On:** Press the Power/Mode button once to turn on the headlamp. It will start in COB High mode.
2. **Cycle Modes:** Each subsequent press of the Power/Mode button will cycle through the following

modes:

- COB High (350 lumens, approx. 3.5 hours runtime)
- COB Low (110 lumens, approx. 8 hours runtime)
- XPE High (150 lumens, approx. 5 hours runtime)
- XPE Low (60 lumens, approx. 9 hours runtime)
- COB + XPE Strobe (Emergency flashing mode)

3. **Turn Off:** Press and hold the Power/Mode button for 2 seconds to turn off the headlamp from any mode.



Image: Illustration of the COB and XPE light sources and their respective high and low brightness modes.

Motion Sensor Function:

The motion sensor allows you to turn the light on/off with a wave of your hand, which is useful when your hands are wet or dirty.

1. **Activate Sensor Mode:** While the headlamp is on, press the Sensor button once. The sensor indicator light will illuminate (usually blue or green) to confirm activation.
2. **Use Sensor:** Wave your hand within approximately 10-15 cm (4-6 inches) of the sensor to turn the light on or off.
3. **Deactivate Sensor Mode:** Press the Sensor button again. The sensor indicator light will turn off.

手が濡れていても操作可能

センサー機能搭載



Image: A person fishing at night, using the motion sensor to control the headlamp without touching it.

7. LIGHTING MODES

The headlamp offers five distinct lighting modes:

- **COB High:** 350 lumens, providing a 230° wide-angle beam for close-range tasks and broad area illumination. Ideal for night work or setting up camp. Runtime: Approximately 3.5 hours.
- **COB Low:** 110 lumens, a dimmer 230° wide-angle beam for extended use or less intense lighting needs. Runtime: Approximately 8 hours.
- **XPE High:** 150 lumens, a focused spot beam for long-distance visibility. Useful for navigating trails or identifying objects far away. Runtime: Approximately 5 hours.
- **XPE Low:** 60 lumens, a lower intensity spot beam for prolonged use or when less direct light is needed. Runtime: Approximately 9 hours.
- **COB + XPE Strobe:** A flashing mode combining both light sources, designed for emergency signaling or attracting attention.



ワイドモード

近接照射に最適なCOB LED搭載



高輝度
(350ルーメン | 4時間点灯)



低輝度
(110ルーメン | 8時間点灯)

Image: A person performing maintenance under a car hood, illuminated by the headlamp's wide-angle COB mode.



Image: A person using the focused XPE spot mode to illuminate a distant rock face in a dark environment.

8. CHARGING

The headlamp is equipped with a 1200mAh high-quality lithium polymer battery and a USB Type-C charging port.

1. **Connect Charger:** Insert the USB Type-C cable into the headlamp's charging port and connect the other end to a 5V/1A USB power adapter (not included) or a computer USB port.
2. **Charging Indicator:** A red indicator light will illuminate during charging. It will turn green when charging is complete.
3. **Charging Time:** A full charge typically takes approximately 4 hours.
4. **Battery Life:** The headlamp can provide up to 9 hours of continuous illumination depending on the mode used.

Type-C充電式、便利かつ経済的

1200mAh高効率バッテリー



4時間フル充電



4-8時間点灯



5-10時間点灯



Image: The headlamp being charged via its USB Type-C port, showing the charging cable connected to a power source.

9. MAINTENANCE

- **Cleaning:** Wipe the headlamp with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the headlamp in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** If not used for an extended period, charge the battery every 3-6 months to maintain its health.

10. TROUBLESHOOTING

Problem	Possible Cause	Solution
Headlamp does not turn on.	Battery is depleted.	Charge the headlamp fully.

Problem	Possible Cause	Solution
Headlamp does not charge.	Charging cable or adapter is faulty.	Try a different USB Type-C cable and a 5V/1A power adapter. Ensure connections are secure.
Motion sensor is not working.	Sensor mode is not activated.	Press the Sensor button to activate sensor mode (indicator light should be on). Ensure no obstructions are blocking the sensor.
Light output is dim.	Battery is low or in a lower brightness mode.	Recharge the battery. Cycle through modes to select a brighter setting.

11. SPECIFICATIONS

Feature	Detail
Model Number	PR320019
Light Source Type	LED (COB & XPE)
Max Brightness	350 Lumens (COB High)
Power Source	Rechargeable (USB Type-C)
Battery Capacity	1200mAh Lithium Polymer
Voltage	3.7V (DC)
Waterproof Level	IP44
Color Temperature	6500 Kelvin
Material	ABS Polycarbonate
Dimensions (L x W x H)	7.5 cm x 3.8 cm x 2.4 cm
Weight	Approx. 150g

防塵・防水性能のタフなボディ

アウトドアを楽しむときにも活躍



Image: The headlamp in use during rainy conditions, highlighting its IP44 dust and water protection.

12. WARRANTY AND SUPPORT

This Lepro Headlamp comes with a **1-year warranty** from the date of purchase. If you encounter any issues or have questions regarding your product, please contact Lepro customer support through your retailer or the official Lepro website. Please retain your proof of purchase for warranty claims.