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› ROCKBROS RHL1000 1000 Lumens Rechargeable Bike Headlight User Manual

ROCKBROS RHL1000

ROCKBROS RHL1000 1000 Lumens Rechargeable Bike Headlight

User Manual

1. INTRODUCTION

Welcome to your new ROCKBROS RHL1000 1000 Lumens Rechargeable Bike Headlight. This manual provides essential information for the safe and effective use of your new bike light. Please read it thoroughly before installation and operation, and keep it for future reference.

2. SAFETY INFORMATION

- **Do not look directly into the light beam** when the light is on, as it can cause temporary vision impairment or permanent eye damage.
- Ensure the light is securely mounted to your bicycle before riding to prevent it from falling off.
- Keep the device out of reach of children.
- Do not disassemble or modify the light, as this may void the warranty and pose a safety risk.
- Use only the provided or a certified USB Type-C cable for charging.
- The light may become warm during prolonged use; this is normal. If it becomes excessively hot, the intelligent temperature protection will automatically reduce brightness.

3. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- ROCKBROS RHL1000 Bike Headlight
- Mounting Bracket
- USB Type-C Charging Cable
- User Manual (this document)

4. PRODUCT OVERVIEW AND FEATURES

The ROCKBROS RHL1000 is a powerful and durable bike headlight designed for enhanced visibility and safety

during night rides.

Key Features:

- **1000 Lumens Wide-Angle Lighting:** Offers an expansive 1000 lm light at 90 degrees, improving night visibility. The central spotlight ensures a clear view of the road, while side lights reduce blind spots for increased safety.
- **Durable Alloy Construction and IPX6 Waterproofing:** Made from CNC aluminum alloy, resistant to corrosion with excellent waterproofing. IPX6 certified to withstand rain.
- **4500mAh Battery and High-Efficiency LED:** Rechargeable 4500 mAh battery providing 2.2 to 9 hours of autonomy. Features a 5050 LED for bright and comfortable illumination with clear battery indicators.
- **Flexible Multi-Position Installation:** Easy mounting on the top or bottom of the handlebar thanks to an adjustable sliding mechanism. Includes a ceiling mount for computer extension to achieve optimal positioning.
- **Intelligent Temperature and Voltage Protection:** Automatic brightness reduction at 70°C and shutdown at 100°C. Low voltage protection limits output below 15% charge and automatically cuts off if necessary to extend battery life.

1000 LUMENS

Illuminates the path ahead
Enhances forward visibility



Figure 4.1: This image illustrates the powerful 1000 lumens output and the 90-degree wide-angle lighting of the ROCKBROS RHL1000, designed to illuminate a broad path ahead and enhance forward visibility.

ANTI-GLARE DESIGN

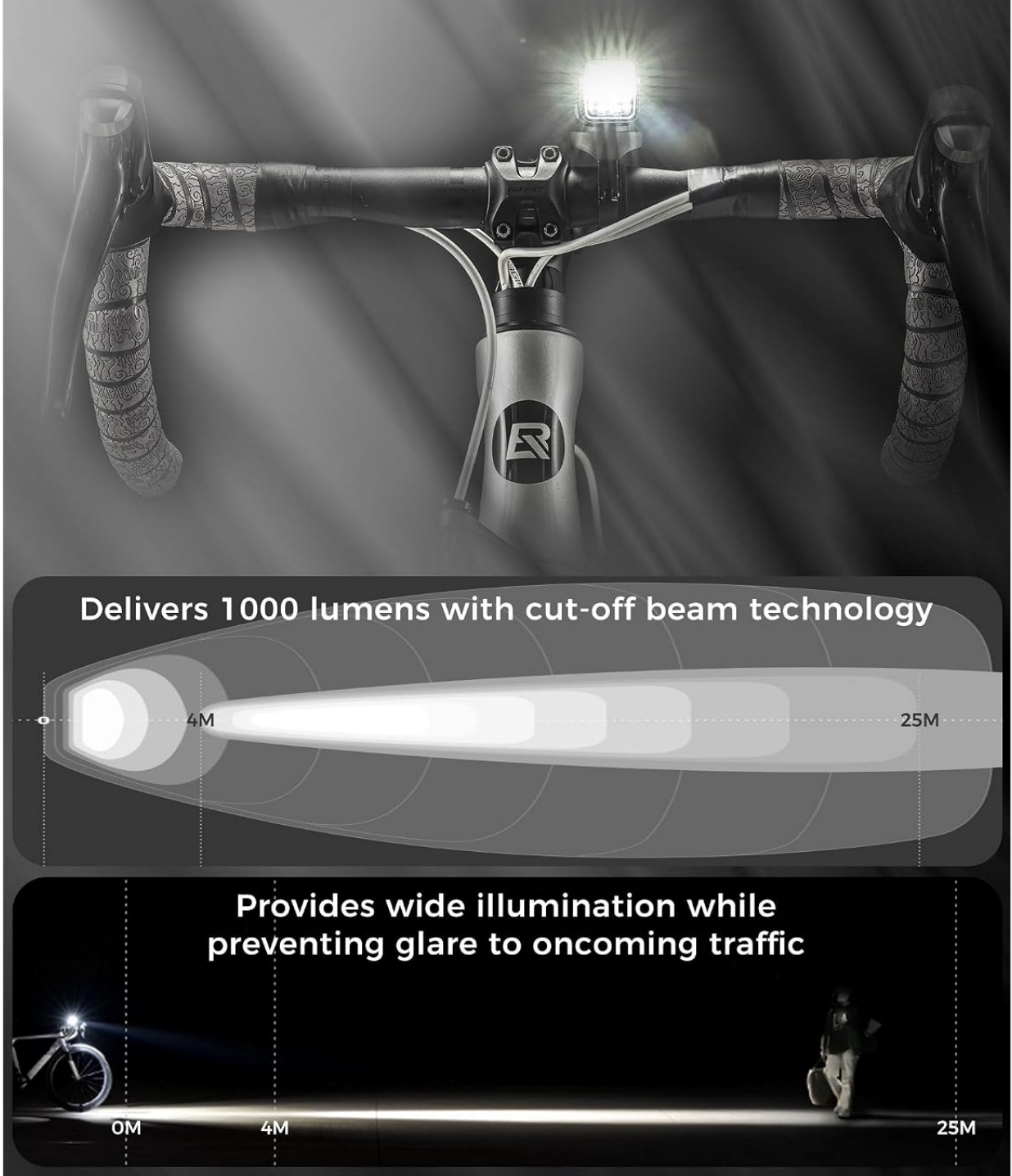


Figure 4.2: This diagram highlights the anti-glare design of the RHL1000, which delivers 1000 lumens with cut-off beam technology. This feature provides wide illumination for the rider while preventing glare for oncoming traffic.

IPX6 WATERPROOF

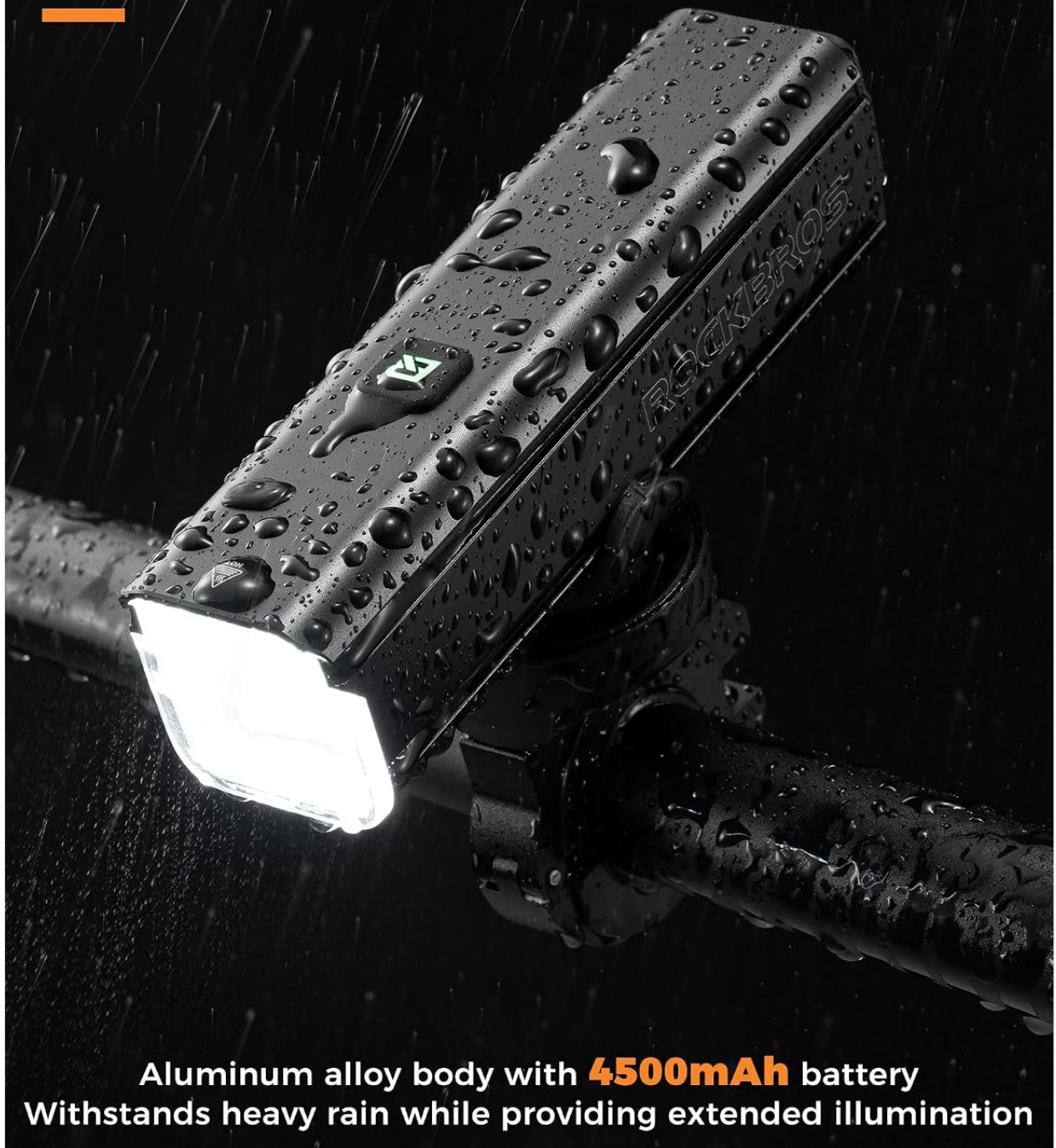


Figure 4.3: The image shows the ROCKBROS RHL1000 bike light enduring heavy rain, emphasizing its IPX6 waterproof rating. Its aluminum alloy body and 4500mAh battery are built to withstand adverse weather conditions.

4500MAH BATTERY WITH TYPE-C CHARGING

Features faster charging speed and compatibility with multiple charging methods



Figure 4.4: This illustration details the 4500mAh large capacity battery and Type-C charging port of the RHL1000. It supports faster charging and is compatible with multiple charging methods, providing 2.2 to 9 hours of battery life with clear indicator lights.

5 LIGHT MODES

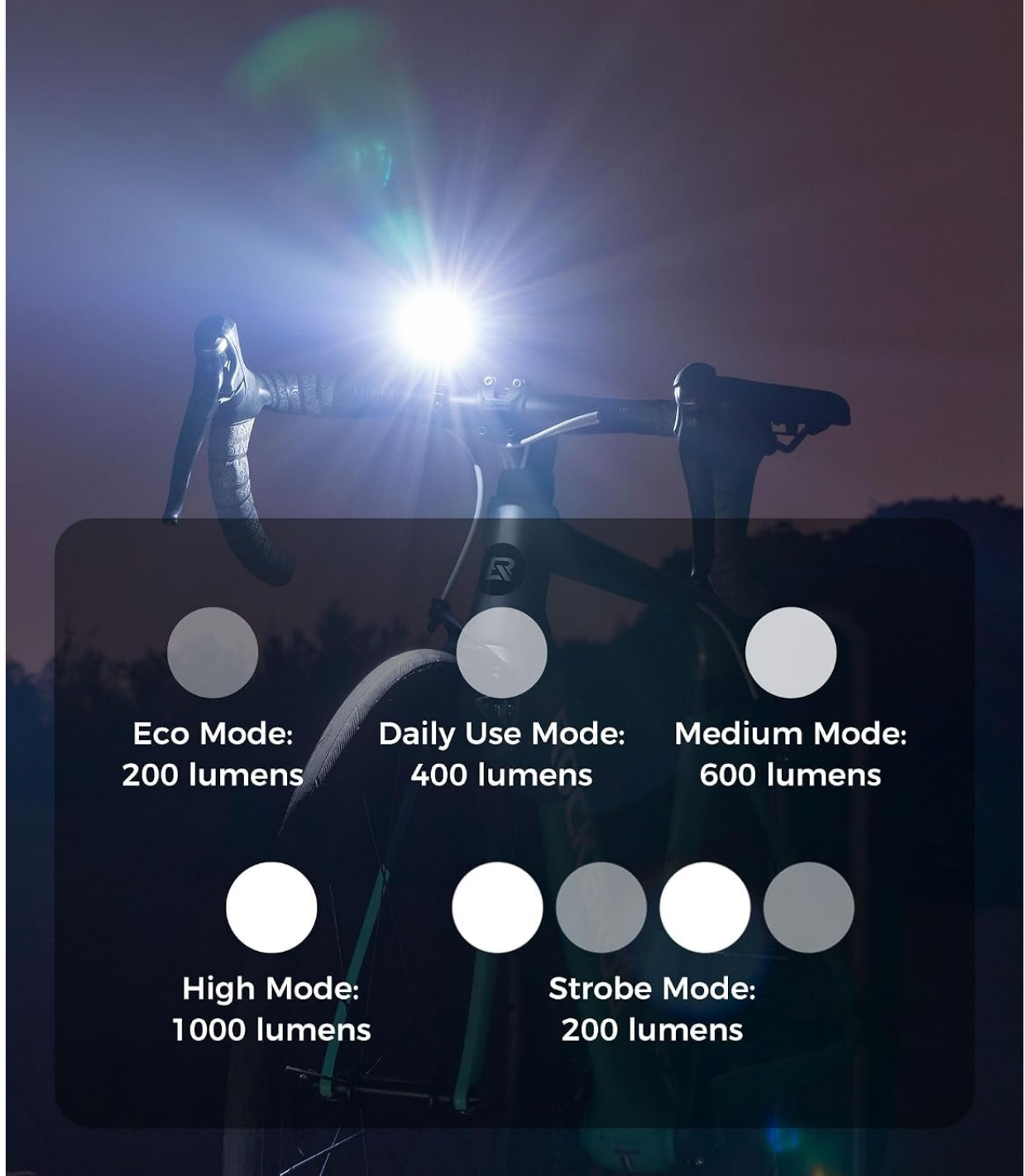


Figure 4.5: This image displays the five distinct light modes available on the ROCKBROS RHL1000: Eco Mode (200 lumens), Daily Use Mode (400 lumens), Medium Mode (600 lumens), High Mode (1000 lumens), and Strobe Mode (200 lumens), offering versatility for different riding conditions.

5. SETUP AND INSTALLATION

5.1 Mounting the Headlight

The ROCKBROS RHL1000 offers flexible multi-position installation. It can be easily mounted on the top or bottom of your handlebar using the adjustable sliding mechanism. An out-front computer extension mount can also be used for optimal positioning.

1. Attach the mounting bracket securely to your handlebar. Ensure it is tight and stable.
2. Slide the RHL1000 headlight onto the bracket until it clicks into place.
3. Adjust the angle of the light to ensure proper illumination of the road ahead without blinding oncoming traffic.



Figure 5.1: This composite image illustrates the flexible installation options for the ROCKBROS RHL1000. It can be easily mounted under the handlebar directly or with an out-front computer extension mount, allowing for optimal positioning.

5.2 Charging the Battery

The RHL1000 is equipped with a 4500mAh rechargeable battery and a USB Type-C charging port.

1. Locate the USB Type-C charging port on the light.

2. Connect the provided USB Type-C cable to the light and plug the other end into a USB power source (e.g., computer, wall adapter, power bank).
3. The battery indicator lights will show the charging status. A full charge typically takes approximately 5 hours.
4. Disconnect the cable once fully charged.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- To turn the light **ON**: Press and hold the power button for approximately 1-2 seconds.
- To turn the light **OFF**: Press and hold the power button for approximately 1-2 seconds.

6.2 Changing Lighting Modes

Once the light is on, short press the power button to cycle through the available lighting modes:

- **High Brightness**: 1000 Lumens, approximately 3 hours runtime.
- **Medium Brightness**: 500 Lumens, approximately 4.5 hours runtime.
- **Low Brightness**: 300 Lumens, approximately 11 hours runtime.
- **Fast Flash**: Approximately 4 hours runtime.
- **Super Fast Flash**: Approximately 5 hours runtime.

6.3 Battery Indicator

The RHL1000 features clear battery indicators to show the remaining charge level. Refer to the product's specific indicator behavior for detailed information (e.g., color changes, number of lights).

7. MAINTENANCE

- **Cleaning**: Wipe the light's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage**: Store the light in a cool, dry place when not in use. Avoid extreme temperatures.
- **Battery Care**: To prolong battery life, charge the light regularly, even if not used frequently. Avoid completely discharging the battery.
- **Water Resistance**: While IPX6 waterproof, avoid submerging the light in water. Ensure the charging port cover is securely closed to maintain water resistance.

8. TROUBLESHOOTING

- **Light not turning on**: Ensure the battery is charged. Connect to a power source and check the charging indicator.
- **Light flickering or dim**: This usually indicates a low battery. Recharge the light immediately.
- **Light feels hot**: The RHL1000 has intelligent temperature protection. If the temperature reaches 70°C, the brightness will automatically reduce. If it reaches 100°C, the light will shut off to prevent damage. Allow it to cool down before resuming use.
- **Water ingress**: If water enters the light, immediately turn it off and allow it to dry completely. Contact customer support if issues persist.

9. SPECIFICATIONS

Brand	ROCKBROS
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Model Number	RHL1000
Color	Black
Weight	Approximately 152 g
Dimensions	Approximately 11.5 x 3 x 3 cm
Shell Material	Aluminum Alloy
LED Model	T40
Lumens	1000 Lumens
Range	Approximately 200 meters
Battery Capacity	4800 mAh
Charging Time	Approximately 5 hours
Waterproof Rating	IPX6
UPC	850080654149

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your ROCKBROS RHL1000 bike headlight, please refer to the documentation provided at the time of purchase or contact ROCKBROS customer service directly through their official website or authorized retailers. Please retain your proof of purchase for warranty claims.