

## Lupine Betty RX 14

# Lupine Lighting Systems Betty RX 14 Headlamp System User Manual

Model: Betty RX 14 | 5400 Lumen

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Lupine Betty RX 14 Headlamp System. The Betty RX 14 is a high-performance lighting system designed for demanding outdoor activities and professional applications, offering exceptional brightness and durability. Please read this manual thoroughly before operating the device.

## 2. SAFETY INSTRUCTIONS

- **High Intensity Light:** The Betty RX 14 produces extremely bright light. Do not look directly into the light beam or shine it directly into the eyes of people or animals. This can cause temporary blindness or permanent eye damage.
- **Heat Generation:** The lamp head can become hot during prolonged operation at high power levels. Avoid direct contact with skin when the lamp is active.
- **Battery Safety:** Use only the original Lupine 13.8 Ah SmartCore battery and Charger One provided with the system. Do not attempt to open, puncture, or short-circuit the battery. Do not expose the battery to extreme temperatures or fire.
- **Charging:** Charge the battery in a well-ventilated area, away from flammable materials. Disconnect the charger once the battery is fully charged.
- **Water Resistance:** The headlamp is waterproof. However, ensure all connections are secure before exposing it to water. Do not submerge the charger or battery.
- **Children:** Keep the headlamp system and its components out of reach of children.

## 3. PACKAGE CONTENTS

Your Lupine Betty RX 14 Headlamp System includes the following components:

- Betty R LED aluminum lamp head

- Headband (standard or HD)
- 13.8 Ah SmartCore battery
- Charger One with AC power supply and 12VDC power adapter
- 120cm/4ft extension cable
- Bluetooth Remote wristlet mount
- Large carry-case



Image: All components of the Lupine Betty RX 14 Headlamp System, including the lamp head, battery, charger, cables, remote, and carry case.

## 4. SETUP

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### 4.1 Attaching the Lamp Head to the Headband

1. Slide the Betty R LED lamp head onto the mounting plate of the headband.
2. Ensure it clicks securely into place.

### 4.2 Connecting the Battery

1. Connect the lamp head cable to the 13.8 Ah SmartCore battery.
2. For extended reach, use the 120cm/4ft extension cable between the lamp head and the battery. The battery can be carried in a backpack or pocket.

### 4.3 Wearing the Headlamp

Place the headband on your head, adjusting the straps for a comfortable and secure fit. The design ensures balanced weight distribution between the lamp head and the battery.



Image: Front view of the Betty RX 14 Headlamp system worn on a mannequin head, showing the lamp unit and headband.



Image: Rear view of the Betty RX 14 Headlamp system worn on a mannequin head, illustrating the cable routing along the

## 4.4 Charging the SmartCore Battery

1. Connect the Charger One to an AC power outlet using the provided AC power supply, or to a 12VDC source using the 12VDC power adapter.
2. Connect the SmartCore battery to the Charger One.
3. The Charger One will indicate the charging status. The battery's control panel will also show charging progress.
4. Once fully charged, disconnect the battery from the charger.

## 4.5 Bluetooth Remote Pairing

Refer to the separate Bluetooth Remote instructions for detailed pairing procedures. Generally, activate pairing mode on both the lamp and the remote, then confirm connection.

# 5. OPERATING INSTRUCTIONS

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## 5.1 Powering On/Off and Brightness Control

The Betty RX 14 features multiple brightness levels, up to 5400 lumens, and a pure 6000K color temperature. Use the button on the lamp head or the Bluetooth remote to cycle through different light modes and power the device on or off. Consult the detailed operating instructions for specific button press sequences for various modes (e.g., low, medium, high, flash).

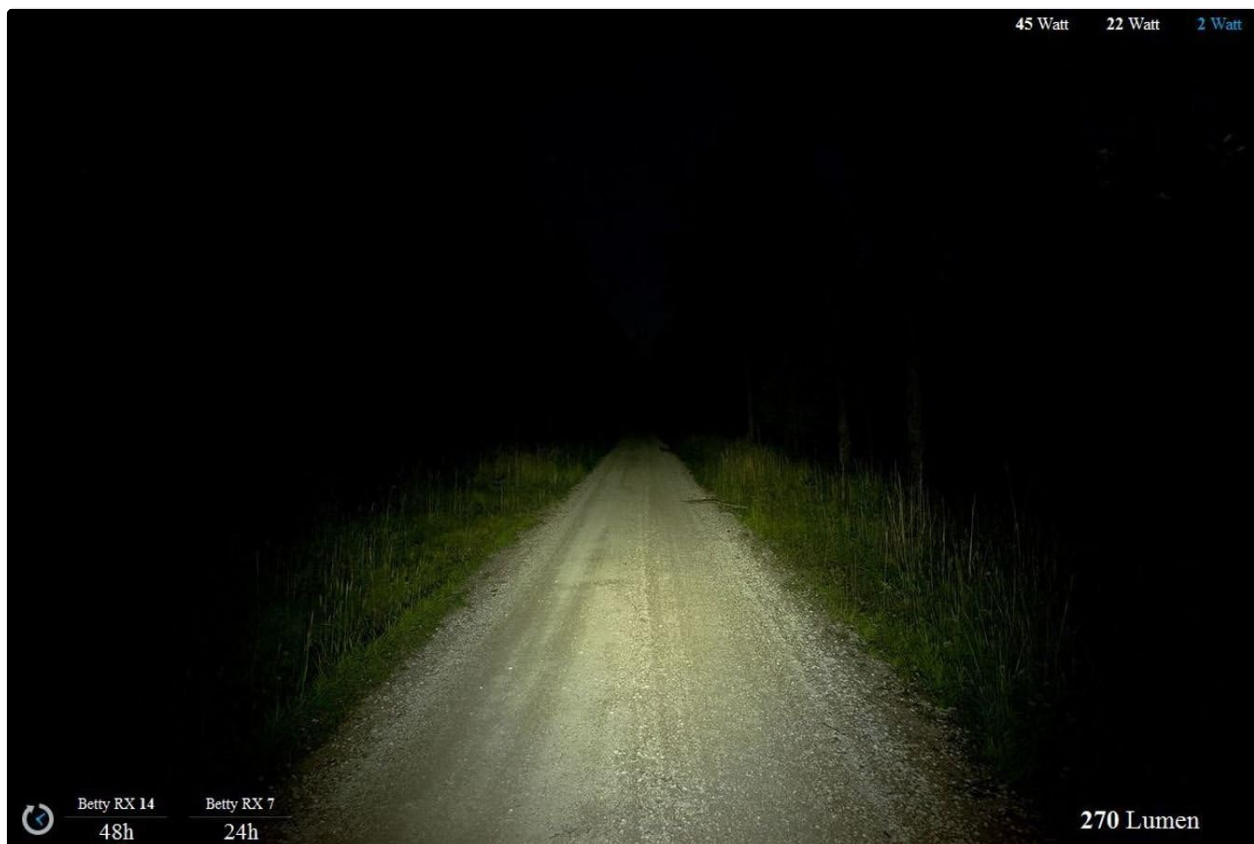


Image: Beam shot illustrating the light output of the Betty RX 14 at a low setting (270 Lumens), illuminating a path in the dark.





Image: Beam shot illustrating the light output of the Betty RX 14 at a medium setting (2650 Lumens), providing broader illumination of a path and surrounding trees.

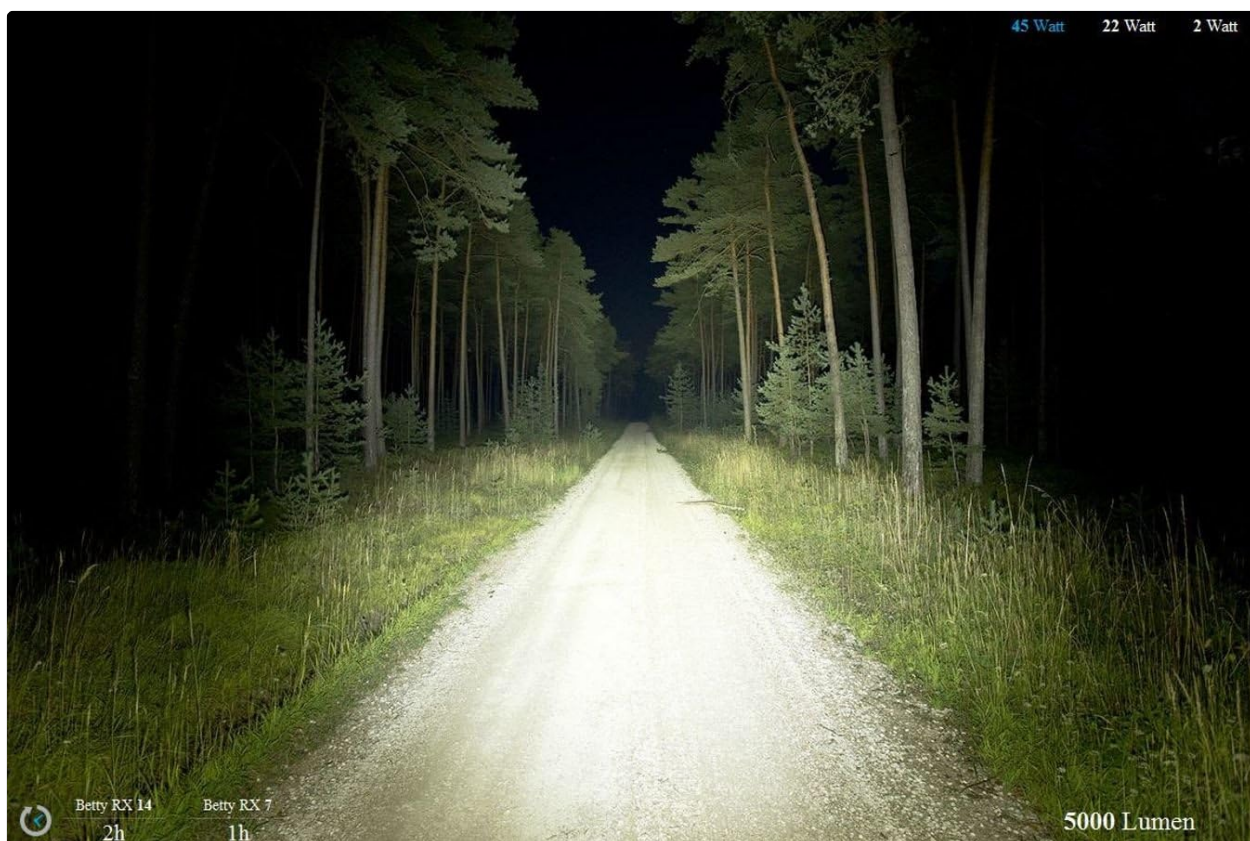


Image: Beam shot illustrating the maximum light output of the Betty RX 14 (5000 Lumens), providing intense and wide illumination of a path and forest.

## 5.2 Checking Battery Capacity

The 13.8 Ah SmartCore battery features an electronic control panel. Simply push the control panel button on the battery to display the remaining capacity in 10% increments. This can be done at any time, whether the

battery is in use, charging, or stored.

## 6. MAINTENANCE

- **Cleaning:** Clean the lamp head and lens with a soft, damp cloth. Avoid abrasive materials or harsh chemicals that could damage the finish or lens coating.
- **Battery Care:** For long-term storage, charge the SmartCore battery to approximately 50-70% capacity and store it in a cool, dry place. Avoid fully discharging the battery for extended periods.
- **Connections:** Periodically check all cable connections for wear or damage. Ensure they are clean and free of debris.
- **Water Resistance:** While waterproof, it is good practice to wipe down the lamp head after exposure to water, especially saltwater, to prevent mineral buildup.

## 7. TROUBLESHOOTING

- **Lamp Not Turning On:**
  - Ensure the battery is charged. Check the battery capacity using the SmartCore button.
  - Verify that the lamp head cable is securely connected to the battery (and extension cable, if used).
  - If using the Bluetooth remote, ensure it is paired and within range. Try operating the lamp directly via its button.
- **Battery Not Charging:**
  - Check if the Charger One is properly connected to a power source and the battery.
  - Ensure the power outlet is functional.
  - Inspect the charger cable and battery port for any visible damage.
- **Reduced Light Output or Short Runtime:**
  - The battery may not be fully charged or is nearing the end of its charge cycle.
  - Operating in extremely cold temperatures can temporarily reduce battery performance.
  - Ensure the lens is clean and free of obstructions.

If problems persist after performing these checks, please contact Lupine customer support.

## 8. SPECIFICATIONS

Model	Betty RX 14
Light Output (Maximum)	5400 Lumens
Color Temperature	6000K
Power Source	13.8 Ah SmartCore Lithium Ion Battery
Voltage	12 Volts (DC)
Material	Aluminum (Lamp Head)
Water Resistance Level	Waterproof

<b>Item Weight</b>	1.5 Kilograms (System)
<b>Model Number</b>	1950002
<b>Manufacturer</b>	Lupine Lighting Systems, GmbH

## 9. WARRANTY AND SUPPORT

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### 9.1 Warranty Information

The Lupine Betty RX 14 Headlamp System comes with a limited warranty. Please refer to the warranty card included with your product or visit the official Lupine website for detailed terms and conditions regarding coverage and duration.

### 9.2 Customer Support

For technical assistance, spare parts, or any questions not covered in this manual, please contact Lupine Lighting Systems directly. Contact information can typically be found on the manufacturer's official website or in the product packaging.