Philips SFL1851

Philips SFL1851 Rechargeable Headlamp User Manual

Model: SFL1851

1. PRODUCT OVERVIEW

The Philips SFL1851 is a versatile and lightweight rechargeable headlamp designed for various activities requiring hands-free illumination. It features multiple lighting modes, a motion sensor for convenient operation, and a durable, adjustable design.

Image 1.1: Philips SFL1851 Headlamp in use, highlighting its compact design and sensor feature.

Key Features:

- **5 Lighting Modes:** Offers strong, medium, low, burst flash, and SOS modes for diverse lighting needs.
- **High Power LED:** Provides 200 lumens of illumination with a range of up to 100 meters.
- **Rechargeable Battery:** Built-in 800 mAh lithium battery offers up to 30 hours of use in low brightness mode, rechargeable via USB.
- **Adjustable Angle:** The lamp head can be rotated 50 degrees for precise light direction.
- **Motion Sensor Function:** Allows for hands-free control of the light with a simple hand wave within 15 cm.

- **Lightweight and Durable:** Weighs only 42 grams, made from ABS material, resistant to drops and water.

2. SETUP

2.1 Initial Charging

Before first use, fully charge the headlamp. Connect the provided USB cable to the headlamp's charging port and to a standard USB power source (e.g., computer, wall adapter). The battery indicator light will provide charging status:

- **Green light:** Battery charge is above 30%.
- **Red light:** Battery charge is between 10% and 30%.
- **Flashing red light:** Battery charge is below 10%, requiring immediate recharge.

Image 2.1: Illustration of the headlamp's battery life and charging status indicator.

2.2 Adjusting the Headband

The headlamp comes with an adjustable, elastic, and non-slip headband. Adjust the strap to ensure a comfortable and secure fit on your head or helmet. The lightweight design (42g) minimizes pressure during extended use.
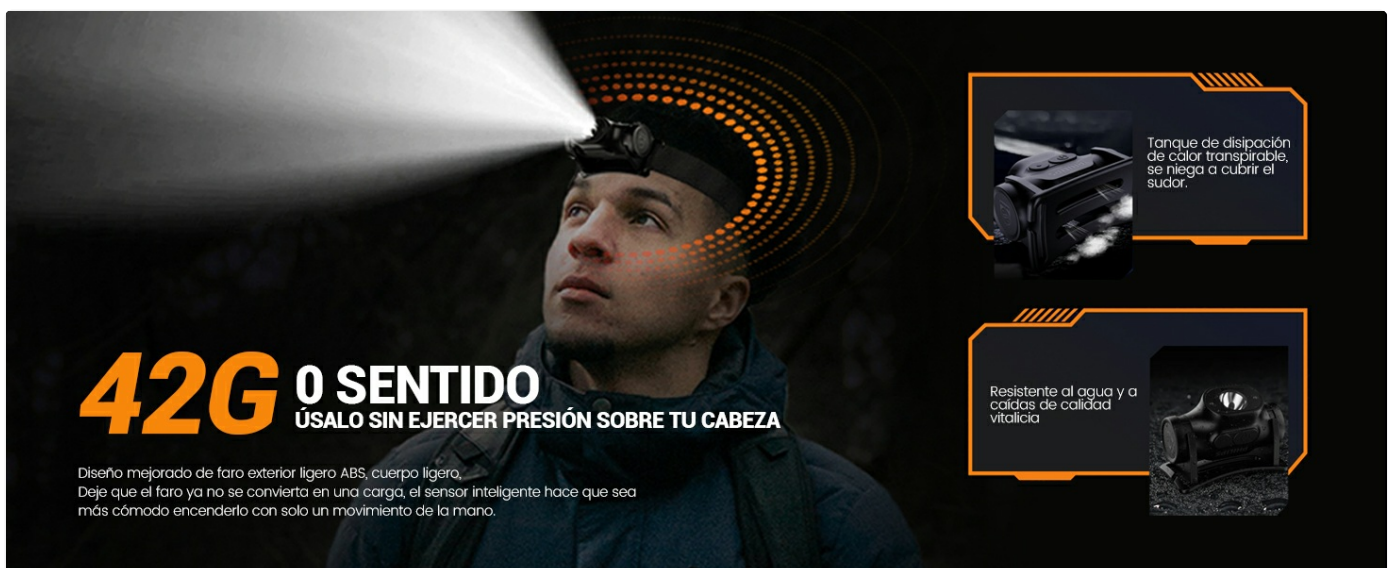

Image 2.2: The headlamp's lightweight design, weighing only 42 grams.

3. OPERATING INSTRUCTIONS

3.1 Power Button Operation

The power button controls the standard lighting modes:

- **Single click:** Cycles through strong light, medium light, low light, and off.
- **Special Mode (Strobe/SOS):** Double-click the power button to activate strobe light, then double-click again for SOS mode. A single click will return to the previous lighting state. If the headlamp remains in any mode for more than 10 seconds, a single click will turn it off.

Image 3.1: Visual representation of the headlamp's five illumination modes.

3.2 Sensor Switch Operation

The sensor switch enables hands-free control:

- When the headlamp is on, click the sensor switch to activate the infrared motion sensor. A double flash warning indicates the sensor is active.
- Once activated, wave your hand within 15 cm of the sensor to turn the light on or off.
- Click the sensor switch again to deactivate the motion sensor.

Image 3.2: Demonstrating the smart hand motion sensor with a 15 cm detection distance.

3.3 Angle Adjustment

The headlamp's illumination angle can be adjusted up to 50 degrees. Gently rotate the lamp body to direct the light precisely where needed, enhancing visibility for various tasks and environments.
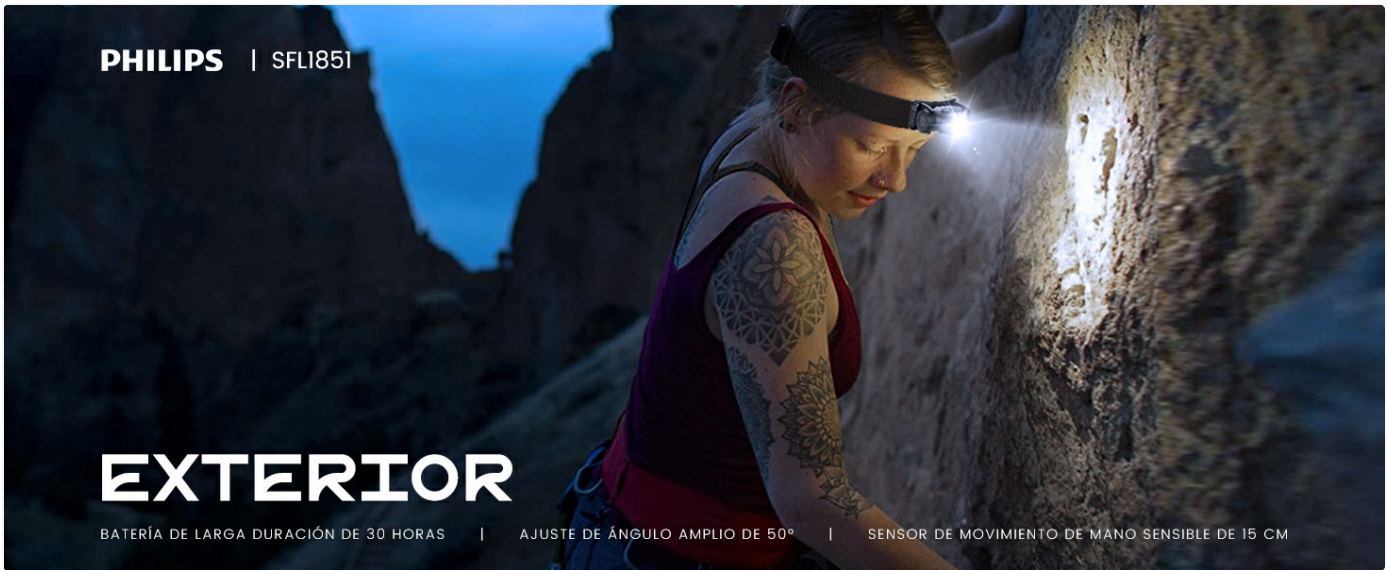

Image 3.3: The headlamp's 50-degree adjustable angle for optimal illumination.
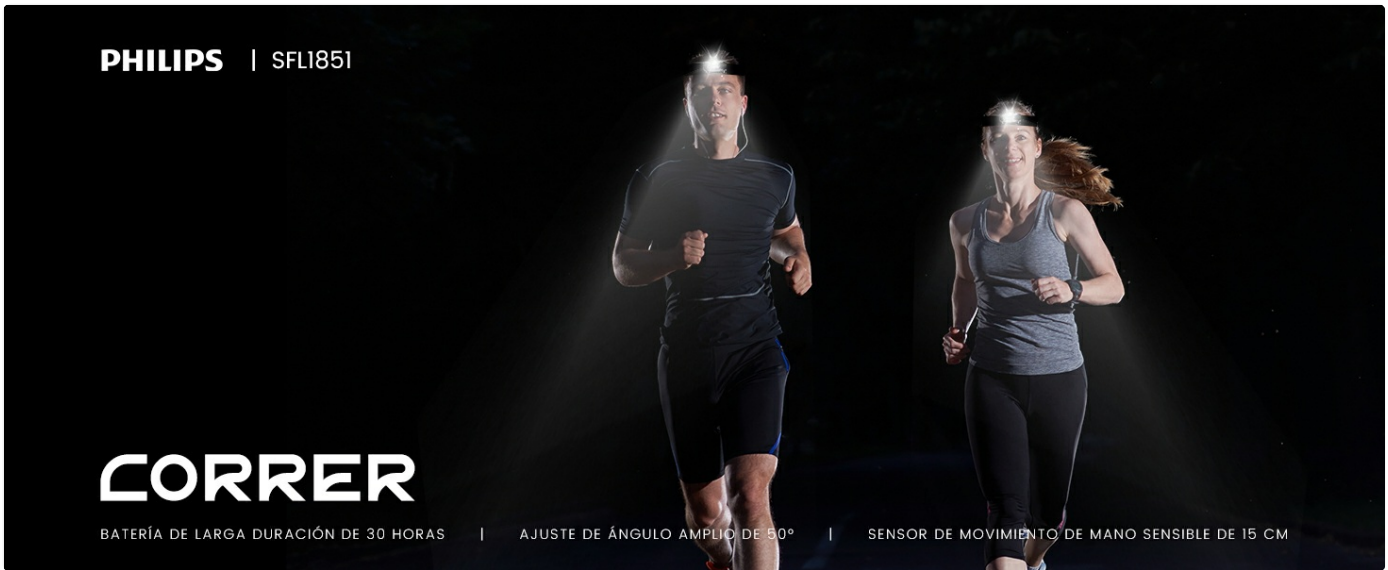
3.4 Button Description Diagram

Image 3.4: Detailed diagram of the headlamp's control buttons and charging port.

4. MAINTENANCE

4.1 Battery Care

To maximize the lifespan of the built-in lithium battery, it is recommended to charge the product in a timely manner. Avoid completely depleting the battery before recharging, as this can shorten its overall life and affect performance.

4.2 Cleaning and Storage

Clean the headlamp with a soft, damp cloth. Do not use abrasive cleaners or solvents. Store the headlamp in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the headlamp is fully charged before long-term storage to prevent battery degradation.

4.3 Heat Dissipation

The headlamp features a ventilated heat sink design to ensure efficient heat dissipation during operation, preventing overheating and maintaining optimal performance.

Image 4.1: The headlamp's ventilated heat sink design for comfortable use.

5. TROUBLESHOOTING

If you encounter issues with your Philips SFL1851 headlamp, please refer to the following common solutions:

- **Headlamp does not turn on:** Ensure the battery is charged. Connect the headlamp to a USB power source and check the charging indicator.
- **Light output is dim:** The battery may be low. Recharge the headlamp.
- **Motion sensor not responding:** Ensure the sensor switch is activated (indicated by a double flash warning). Check for any obstructions in front of the sensor.
- **Headlamp turns off unexpectedly:** The battery may be critically low. Recharge the headlamp.

If the problem persists after attempting these solutions, please contact Philips customer support for further assistance.

6. SPECIFICATIONS

Brand	Philips
Model Number	SFL1851 (Manufacturer Part Number: 111)
Material	ABS
Color	Black
Light Source Type	LED
Luminous Flux	200 lumens
Beam Angle	50 Degrees
Power Source	Battery (Rechargeable)

Battery Capacity	800 mAh (Lithium)
Max Battery Life	30 hours (low brightness mode)
Special Features	Rechargeable, Adjustable Light Modes, Motion Sensor, Lightweight
Product Dimensions	10 x 10 x 15 cm; 90 g
Included Components	Headlamp

7. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Philips website. Keep your proof of purchase for any warranty claims.