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## DARKBEAM F02

# DARKBEAM LED Headlamp

MODEL: F02 - INSTRUCTION MANUAL

## Product Overview

The DARKBEAM F02 LED Headlamp is a powerful, rechargeable lighting solution designed for various activities. Featuring dual white light and a single warm light, it offers high lumens output for clear visibility. Equipped with a motion sensor, digital power display, and 60-degree adjustable head, this headlamp provides hands-free illumination for camping, hiking, car maintenance, and emergency use. Its lightweight and waterproof design ensures reliable performance in diverse conditions.

## What's in the Box

- Dual-light headlamp with motion sensor x1
- USB A to USB C cable x1
- Clips for hardhat x4
- User manual x1

## Product Structure

Familiarize yourself with the key components of your DARKBEAM F02 Headlamp:



Figure 1: Overview of the DARKBEAM F02 Headlamp components.

- **Elastic Headband:** Soft, comfortable, and adjustable for a secure fit.
- **Regulation Buckle:** Allows for easy adjustment of the headband size.
- **Switch Button:** Controls power and cycles through main light modes.
- **Sensor Mode Button:** Activates and deactivates the motion sensor function.
- **White Light LEDs:** Provides bright, cool white illumination.
- **Yellow Light LED:** Offers a warmer light option.
- **Red Flash Light:** For signaling and emergency situations.
- **Type-C Port:** For convenient USB charging.
- **Power Display:** Digital display showing real-time battery percentage.

## Setup and Charging

Before first use, fully charge your headlamp. The digital power display will show the battery percentage.

1. **Charging:** Locate the USB Type-C charging port on the side of the headlamp. Connect the provided USB A to USB C cable to the headlamp and a compatible USB power source (e.g., wall adapter, power bank, car charger, laptop). The digital display will show charging progress.
2. **Adjusting the Headband:** Use the regulation buckle to adjust the elastic headband for a snug yet comfortable fit around your head or hardhat.
3. **Hardhat Clips:** If using with a hardhat, attach the four provided clips to secure the headband firmly.



Figure 2: Charging the DARKBEAM F02 Headlamp via USB Type-C.

## Operating Instructions

The DARKBEAM F02 Headlamp features two independent function keys for easy operation: a Power Button and a Sensor Mode Button.

### Main Light Modes (Power Button)

Press the Power Button to cycle through the following main light modes:

- **Strong Dual White Light:** Maximum brightness for wide illumination.
- **Weak Dual White Light:** Reduced brightness for extended battery life.
- **Single Warm Light:** Softer, yellow light for comfortable close-range tasks.
- **Red Flash:** For emergency signaling or increased visibility.



Figure 3: The five distinct working modes of the headlamp.

### Motion Sensor Mode (Sensor Mode Button)

Press the Sensor Mode Button to activate the motion sensing function. In this mode, the headlamp will operate with strong dual white light and can be turned ON/OFF by simply waving your hand within 20cm of the sensor.

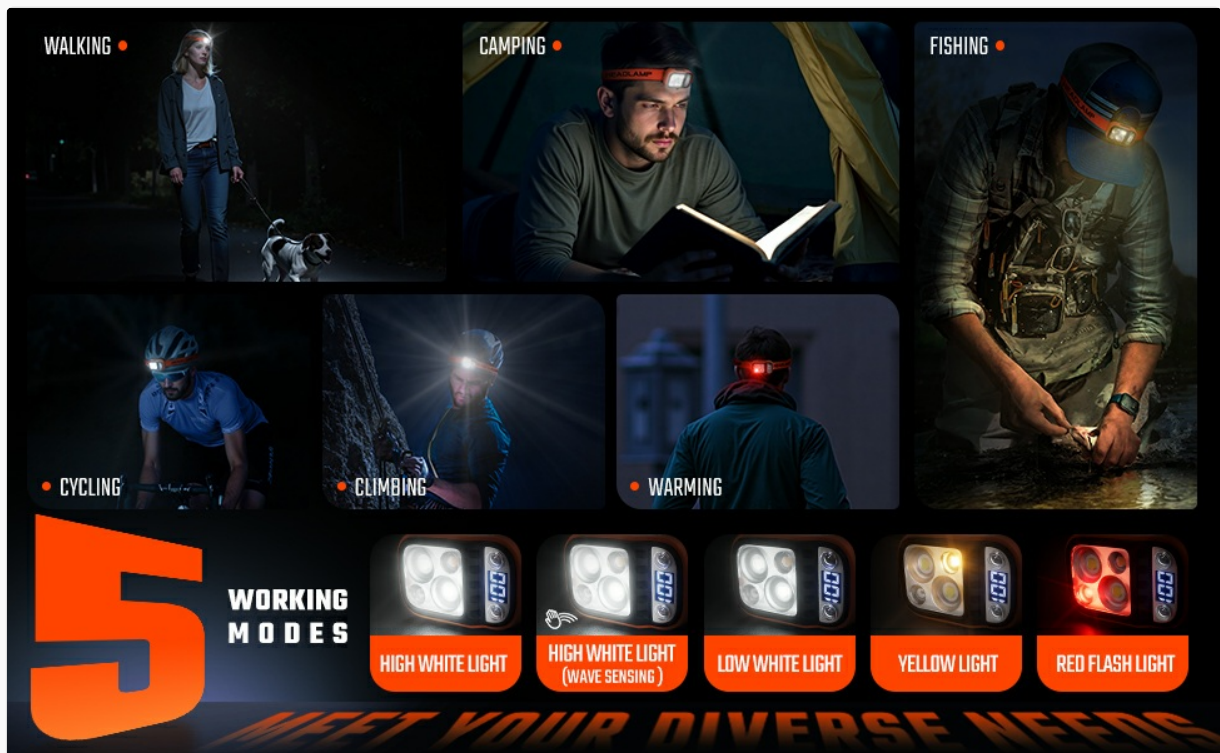


Figure 4: Activating and using the wave-sensing mode for hands-free operation.

Note: The wave-sensing function only controls the ON/OFF of the high-brightness white light mode.

### Key Features

- **High Lumens Output:** Provides powerful illumination with dual white and single warm light options.
- **Motion Sensor:** Hands-free operation for convenience.
- **Digital Power Display:** Real-time battery percentage shown on the device.
- **60-Degree Adjustable Head:** Easily control the illumination angle to direct light where needed.
- **USB Rechargeable:** Built-in rechargeable battery with USB-C direct charging.
- **IPX4 Water Resistant:** Designed to withstand splashes and rain, ensuring functionality in wet conditions.
- **Lightweight & Comfortable:** Weighs only 54g with a high-elastic, breathable headband for long-term wear.



Figure 5: The compact and adjustable design of the headlamp.

# VERSATILE



*Includes 4 headlamp clips,  
Easily adjusts to fit hard hats  
and helmets*



Figure 6: The headlamp's IPX4 water resistance for reliable outdoor use.

## Versatile Applications

The DARKBEAM F02 Headlamp is suitable for a wide range of activities:

- Camping & Hiking
- Car Maintenance & Repair
- Fishing & Mountain Climbing
- Running & Dog-Walking
- Night Work & Construction
- Emergency Use

# VERSATILE



Includes 4 headlamp clips,  
Easily adjusts to fit hard hats  
and helmets



● WALKING



● CAMPING



● FISHING



● CYCLING



● WARNING

Figure 7: Diverse applications of the DARKBEAM F02 Headlamp.

## Official Product Videos

### DARKBEAM Headlamp Dual White Light & Warm Light F02-1

**Video 1:** This video demonstrates the dual white light and warm light functions of the DARKBEAM F02-1 Headlamp, showcasing its various illumination modes.

### DARKBEAM Headlamp Dual White Light & Warm Light F02

**Video 2:** An official video from Darkness Beam highlighting the dual white and warm light capabilities of the F02 Headlamp, providing a visual guide to its lighting options.

## Specifications

| Feature                     | Detail  |
|-----------------------------|---|
| Model Number                | F02   |
| Brand                       | DARKBEAM  |
| Power Source                | Battery Powered (Lithium Ion)   |
| Light Source Type           | LED (Dual White Light & Single Warm Light)                                    |
| Special Features            | Motion Sensing, Adjustable (60° Up/Down), Rechargeable, Digital Power Display |
| Water Resistance Level      | IPX4 (Waterproof)   |
| Runtime (High White Light)  | 4 hours   |
| Runtime (Low White Light)   | 5 hours   |
| Runtime (Single Warm Light) | 15 hours  |
| Item Weight                 | 1.87 Ounces (54g)   |
| Material                    | ABS   |

## 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 when not in use.
- **Battery Care:** To prolong battery life, charge the headlamp regularly, even if not in frequent use. Avoid fully discharging the battery for extended periods.

## Troubleshooting

- **Light Not Turning On:** Ensure the battery is charged. If the motion sensor mode is active, try waving your hand or switch to manual mode.
- **Motion Sensor Not Responding:** Check for obstructions in front of the sensor. Ensure your hand is within the 20cm detection range.
- **Short Battery Life:** Ensure the headlamp is fully charged. Battery performance can decrease in extremely cold temperatures.

## Warranty and Support

We stand strongly behind your satisfaction. Any question will be properly resolved if you contact the vendor on Amazon. We provide prompt support with a 180-day money-back & replacement guarantee.