

## sofirn sofirn H05B

# Sofirn H05B 1200 Lumens Rechargeable LED Headlamp

User Instruction Manual

## 1. INTRODUCTION

The Sofirn H05B is a versatile and powerful LED headlamp designed for various outdoor activities such as camping, hiking, fishing, and general work. It features a super bright 1200 lumens output, multiple lighting modes including white and red light, an adjustable headband, and a 180-degree movable tilt for precise illumination. Built with durability in mind, it is IP66 waterproof and drop-resistant.



*The Sofirn H05B headlamp in use, demonstrating its compact design and bright illumination.*

## 2. PRODUCT FEATURES

- **Super Bright:** 1200 lumens output with SST20 LED.
- **Versatile Lighting:** 6 white light modes (Moon, Eco, Low, Medium, High, Turbo) and 3 red light modes (Low, Medium, High), plus Strobe modes for both.
- **Rechargeable:** Built-in USB-C charging port.
- **Adjustable:** Adjustable headband and 180-degree movable tilt.
- **Durable:** IP66 waterproof and 2-meter drop resistance.
- **Lightweight:** Weighs only 1.55 oz (without battery).

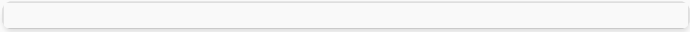
*Key features of the Sofirn H05B headlamp, highlighting its brightness, adjustability, and durability.*

## 3. SETUP AND CHARGING

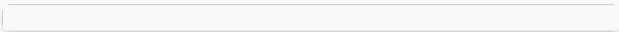
### 3.1 Battery Installation & Charging

The Sofirn H05B headlamp comes with a rechargeable Lithium Polymer battery included. To charge the headlamp:

1. Locate the end cap near the button.
2. Twist open the cover to reveal the USB-C charging port.
3. Connect the provided Type-C cable to the headlamp's port and plug the other end into a compatible USB power source (e.g., wall adapter, power bank, computer USB port).
4. The charging indicator light will show the charging status: Red for charging, Green for fully charged.
5. Charging time is approximately 3.5 hours.



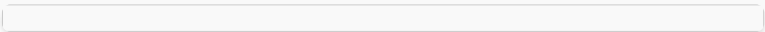
*Twist open the cover to access the charging port.*



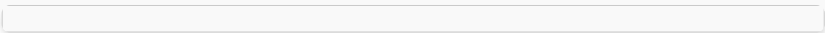
*The headlamp features a built-in USB-C charging port.*

### 3.2 Adjusting the Headband and Tilt

The headlamp comes with an adjustable elastic headband for a comfortable and secure fit on various head sizes. The light unit can also be tilted up to 180 degrees to direct the beam precisely where needed.



*Adjustable headband for a comfortable fit.*



*The light unit can be tilted up to 180 degrees.*

### 3.3 Setup Demonstration Video

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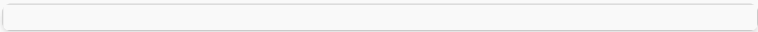
*This video demonstrates the setup, including adjusting the strap and the 180-degree adjustable angle of the headlamp.*

## 4. OPERATING INSTRUCTIONS

The Sofirn H05B features an intuitive user interface for easy operation.

### 4.1 Basic Operation

- **Turn On/Off:** One click of the power button.
- **Change Brightness:** Long press the power button while the light is on to cycle through brightness levels.
- **Switch Between White/Red Light:** One click while the light is on to toggle between white and red light modes.
- **Access Strobe Modes:** Two clicks of the power button to enter strobe modes.



*Visual guide to the headlamp's intuitive user interface.*

### 4.2 White Light Modes

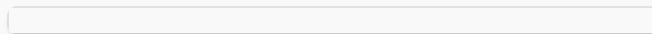
The white light offers 6 different lighting modes:

- **Moon:** Ultra-low brightness for minimal light needs.
- **Eco:** Energy-saving mode for extended runtime.
- **Low:** Suitable for close-range tasks.
- **Medium:** Balanced brightness for general use.
- **High:** Bright illumination for most activities.
- **Turbo:** Maximum brightness for powerful, temporary illumination.

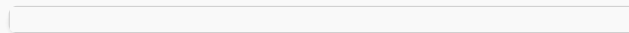
### 4.3 Red Light Modes

The red light offers 3 lighting modes, ideal for preserving night vision and reducing insect attraction:

- **Low:** Subtle red light.
- **Medium:** Moderate red light.
- **High:** Bright red light.



*Illustration of the different white light modes available.*



*Illustration of the different red light modes available.*

### 4.4 Strobe Modes

Both white and red lights are equipped with strobe modes for signaling or emergency situations:

- **Strobe:** Rapid flashing light.
- **SOS:** Standard Morse code distress signal (three short, three long, three short flashes).
- **Beacon:** Slow, consistent flash.

### 4.5 Operation Demonstration Video

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*This video demonstrates the various lighting modes and operational features of the headlamp.*

## 5. MAINTENANCE

### 5.1 Cleaning

To maintain optimal performance, regularly clean the headlamp's lens and body with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the finish or optical components.

### 5.2 Battery Care

The integrated Lithium Polymer battery is designed for long life. For best results:

- Recharge the battery regularly, even if not fully depleted.
- Avoid completely draining the battery before recharging.
- Store the headlamp in a cool, dry place when not in use for extended periods.

### 5.3 Water and Drop Resistance

The Sofirn H05B is rated IP66 for water resistance, meaning it is protected against powerful water jets. It is also designed to withstand drops from up to 2 meters. While durable, avoid intentional submersion or extreme impacts to prolong the product's lifespan.

*The headlamp is IP66 water resistant.*

*Designed to withstand drops from up to 2 meters.*

## 6. TROUBLESHOOTING

If you encounter issues with your Sofirn H05B headlamp, please refer to the following common troubleshooting steps:

- **Light not turning on:** Ensure the battery is charged. Connect the headlamp to a power source and check the charging indicator.
- **Dim light or short runtime:** The battery may be low. Recharge the headlamp fully. Battery performance can decrease over time; consider replacing the 18650 battery if issues persist after multiple recharges.
- **Light flickers:** Check if the battery is securely installed. Ensure the end caps are tightly twisted to maintain proper contact.
- **Unable to switch modes:** Ensure the headlamp is turned on. Refer to the 'Operating Instructions' section for correct button press sequences.
- **Charging issues:** Verify the USB-C cable is not damaged and the power source is functional. Ensure the charging port is clean and free of debris.

If the problem persists after attempting these steps, please contact customer support.

## 7. SPECIFICATIONS

Feature	Specification
Brand	sofirn
Model Number	H05B
Light Source Type	LED (SST20)
White Brightness	1200 Lumens
Power Source	Battery Powered
Battery Type	1 Lithium Polymer (18650) (included)
Charging Port	USB-C
Material	Aluminum
Water Resistance Level	IP66 (Waterproof)

Feature	Specification
Drop Resistance	Up to 2 meters
Product Dimensions	0.98"D x 3.46"W x 1.25"H
Item Weight	4.2 ounces

## 8. WARRANTY AND SUPPORT

Sofirn products are manufactured to high-quality standards. For specific warranty information and customer support, please refer to the documentation included with your purchase or visit the official Sofirn website. Keep your proof of purchase for any warranty claims.

For further assistance, you may contact Sofirn customer service directly through their official channels.

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### Related Documents - sofirn H05B

Sofirn SC32 Manual

Thank you for purchasing this Sofirn product.  
[www.sofirn.com](http://www.sofirn.com) is our online support website.

Sofirn SC32 provides an illuminated output of 2000 lumens. 2000 lumens output does not mean light output is higher than 2000 lumens. SC32 flashlight complies with ANSI/NEMA FL1 performance, operation modes, charging, safety instructions, and troubleshooting. Learn how to use your 2000-lumen LED flashlight.

ANSI/NEMA FL1 Chart

Mode	Beam Diameter (in)	Beam Area (sq ft)	Beam Intensity (cd)	Beam Color Temp (K)	Beam Color Rend (CRI)
High	10.5	100	100,000	5000	90
Med	5.25	25	25,000	5000	90
Low	2.625	6.25	6,250	5000	90

## [Sofirn SC32 Flashlight User Manual: Features, Operation, and Specifications](#)

Comprehensive user manual for the Sofirn SC32 flashlight, detailing its features, ANSI/NEMA FL1 performance, operation modes, charging, safety instructions, and troubleshooting. Learn how to use your 2000-lumen LED flashlight.

Sofirn HS40 Manual

Thank you for purchasing this Sofirn product.

[www.sofirn.com](http://www.sofirn.com) is our online support website.

The HS40 is a powerful headlamp as well as a powerful key ring. It delivers a powerful 1000 lumens output and complies with ANSI/NEMA FL1 performance, operation modes, charging, safety instructions, and troubleshooting. Learn how to use and maintain your Sofirn HS40 for optimal performance.

Safety Instructions

1. Read the user manual carefully before using the product.
2. Do not use the product near flammable or explosive materials.
3. Do not use the product in wet or damp conditions.
4. Do not use the product for more than 10 minutes at a time.
5. Do not use the product for more than 10 minutes at a time.
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ANSI/NEMA FL1 Chart

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High	10.5	100	100,000	5000	90
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Low	2.625	6.25	6,250	5000	90

## [Sofirn HS40 Headlamp: Manual, Specifications, and Operation Guide](#)

A comprehensive guide to the Sofirn HS40 headlamp, detailing its specifications, safety instructions, operation modes (stepped and ramping), circuit protection, battery details, and troubleshooting tips. Learn how to use and maintain your Sofirn HS40 for optimal performance.

Sofirn SC28 Manual

Thank you for purchasing this Sofirn product.

[www.sofirn.com](http://www.sofirn.com) is our online support website.

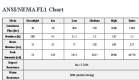
The Sofirn SC28 is a rechargeable EDC flashlight. It has a maximum output of 2800 lumens and a maximum beam distance of 1000 meters. It is powered by a 18650 rechargeable battery. It has a maximum runtime of 12 hours at 100 lumens. It has a maximum beam diameter of 10.5 inches. It has a maximum beam area of 100 square feet. It has a maximum beam intensity of 100,000 candela. It has a maximum beam color temperature of 5000K. It has a maximum beam color rendering index of 90. It has a maximum beam color temperature of 5000K. It has a maximum beam color rendering index of 90. It has a maximum beam color temperature of 5000K. It has a maximum beam color rendering index of 90.

ANSI/NEMA FL1 Chart

Mode	Beam Diameter (in)	Beam Area (sq ft)	Beam Intensity (cd)	Beam Color Temp (K)	Beam Color Rend (CRI)
High	10.5	100	100,000	5000	90
Med	5.25	25	25,000	5000	90
Low	2.625	6.25	6,250	5000	90

## [Sofirn SC28 Rechargeable EDC Flashlight User Manual](#)

Comprehensive user manual for the Sofirn SC28 rechargeable EDC flashlight, covering specifications, operation, safety, and troubleshooting. Features 2800 lumens output and ANSI/NEMA FL1 performance data.



Comprehensive manual for the Sofirn SC33 flashlight, detailing its specifications, operation, battery installation, charging, troubleshooting, and safety instructions. Features a Cree XHP70.3 HI LED, 5200 lumens output, 327-meter beam distance, and USB-C charging.



Comprehensive user manual for the Sofirn SP35T tactical flashlight. Learn about its 3800-lumen output, USB-C recharging, operation modes, safety guidelines, and troubleshooting. Includes ANSI/NEMA FL1 chart and specifications.



Comprehensive user guide for the Sofirn LT1S Pro lantern, detailing its features, operation modes (Anduril UI), specifications, safety instructions, and troubleshooting tips.