

## Supernova U-MINI2P-BLK

# Supernova Mini 2 Pro LED Headlight User Manual

Model: U-MINI2P-BLK | Brand: Supernova

## 1. INTRODUCTION

The Supernova Mini 2 Pro LED Headlight is a compact yet powerful lighting solution designed for e-bikes. Its elegant design allows for versatile installation, enhancing the aesthetics and functionality of any bicycle. This manual provides essential information for the safe and efficient use, installation, and maintenance of your Mini 2 Pro headlight.

## 2. SAFETY INFORMATION

- Always ensure the headlight is securely mounted before riding.
- Do not look directly into the light beam, as it can cause temporary vision impairment.
- Ensure all electrical connections are properly sealed and protected from water.
- Regularly check the headlight for any damage or loose parts.
- Keep out of reach of children.
- Consult a professional bicycle mechanic if you are unsure about installation or maintenance.

## 3. PACKAGE CONTENTS

Verify that all the following components are included in your package:

- Supernova Mini 2 Pro LED Headlight
- Magnetic High Beam Button (cable length: 212 mm, with micro gold connector)
- Holder for decentralized handlebar clamp (diameter 22.0 mm)
- Power Connector Cable - Bosch (cable length: 1,300 mm, with Bosch plug)
- Supernova power connector system cable (100 mm to the plug and 110 mm to the main beam plug)



Image: Included cables and the magnetic high beam button for the Supernova Mini 2 Pro LED Headlight.

## 4. SETUP AND INSTALLATION

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### 4.1 Mounting the Headlight

The Mini 2 Pro is designed for easy installation. Use the provided low direct mount bracket for an optimized mounting position. The compact size allows for flexible placement on your e-bike.

### 4.2 Connecting Power

Connect the Power Connector Cable (Bosch plug) to your e-bike's compatible Bosch drive system. Ensure a secure connection to provide power to the headlight. The cable length is 1,300 mm for convenient routing.

### 4.3 High Beam Button Installation

Attach the holder for the decentralized handlebar clamp (diameter 22.0 mm) to your handlebar in a convenient location. Connect the magnetic high beam button to the headlight using its micro gold connector. The button's cable length is 212 mm, allowing for flexible positioning.



Image: The Supernova Mini 2 Pro LED Headlight, ready for installation.

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off

The Supernova Mini 2 Pro LED Headlight is powered directly by your e-bike's system. It will typically activate with your e-bike's lighting system. Refer to your e-bike's manual for specific instructions on activating external lights.

### 5.2 High Beam Function

To activate the high beam, press the magnetic high beam button. The high beam provides 550 lumens and 160 lux for maximum illumination. Press the button again to switch back to low beam.

### 5.3 Low Beam and Daytime Running Light

The low beam provides 235 lumens and 100 lux, suitable for general riding conditions. The integrated daytime running light, part of the Terraflux 4 lens, ensures visibility during daylight hours, enhancing safety.

## 6. MAINTENANCE

- **Cleaning:** Clean the headlight lens and body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check all cables and connections for wear or damage. Ensure the mounting bracket is secure.
- **Water Resistance:** The headlight has an IP65 rating, meaning it is protected against dust and low-pressure water jets. Avoid submerging the unit in water.
- **Storage:** When not in use for extended periods, store the headlight in a cool, dry place.

## 7. TROUBLESHOOTING

| Problem                            | Possible Cause                                                | Solution                                                                                                                            |
|------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Headlight does not turn on.        | No power from e-bike system; loose connection; damaged cable. | Ensure e-bike system is on and lights are activated. Check all cable connections. Inspect cables for damage. Consult e-bike manual. |
| High beam not activating.          | High beam button not connected; faulty button.                | Check the connection of the magnetic high beam button. Ensure it is securely plugged in.                                            |
| Light output is dim or flickering. | Insufficient power; loose connection; dirty lens.             | Verify stable power supply from e-bike. Check connections. Clean the headlight lens.                                                |

## 8. TECHNICAL SPECIFICATIONS

| Feature               | Detail                         |
|-----------------------|--------------------------------|
| High Beam Output      | 550 lm, 160 lx, 10 W           |
| Low Beam Output       | 235 lm, 100 lx, 5 W            |
| Daytime Running Light | Integrated into Terraflux lens |

| Feature                              | Detail                                           |
|--------------------------------------|--------------------------------------------------|
| Optics                               | Terraflux 4 lens                                 |
| Material                             | Anodised aluminium, polished black               |
| Case Dimensions (LxWxH)              | 31.5 x 41 x 41 mm (1.61"L x 1.61"W x 1.61"H)     |
| Item Weight                          | 40 Grams                                         |
| Cable Length (Headlight to plug)     | 100 mm                                           |
| Cable Length (to main beam plug)     | 110 mm                                           |
| High Beam Button Cable Length        | 212 mm                                           |
| Power Connector Cable (Bosch) Length | 1,300 mm                                         |
| Mounting Type                        | Handlebar Mount (decentralized clamp, Ø 22.0 mm) |
| Water Resistance Level               | IP65                                             |
| Power Source                         | Battery Powered (via e-bike system)              |

## 9. WARRANTY AND SUPPORT

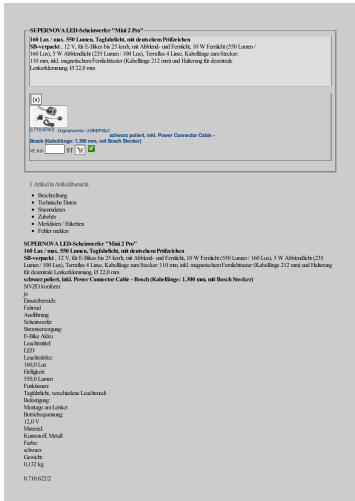
Supernova products are manufactured to high quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Supernova website. For technical support, troubleshooting assistance beyond this manual, or spare parts, please contact Supernova customer service or your authorized dealer.

**Online Resources:** For the latest information, FAQs, and additional support, please visit the official Supernova website: [www.supernova-lights.com](http://www.supernova-lights.com)

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### Related Documents

|                                                                                     |                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><a href="#">Supernova TL3 PRO Tail Light Manual and Installation Guide</a></p> <p>Comprehensive manual for the Supernova TL3 PRO tail light, covering installation, features, and care instructions in multiple languages.</p>                                                                                         |
|  | <p><a href="#">Supernova TL3 Z E-bike Tail Light: Installation, Specifications, and Care Guide</a></p> <p>Comprehensive manual for the Supernova TL3 Z E-bike tail light. Covers product content, technical data, installation instructions, warranty, and care. Features multilingual support and detailed diagrams.</p> |



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SUPERNOVA LED Scheinwerfer Mini 2 Pro 160 Lux max 5500 710 674 3 Originalnummer U MINI2P BLK 550 Lumen Tagfahrlicht mit deutschem Prüfzeichen SB 51po FL8XhLm media amazon images I 51po FL8XhL ref dp product quick view 550SUPERNOVA SB verpackt 12 V für E Bikes bis 25 km h 0 SB m viewm ||| ||| SUPERNOVA LED-Scheinwerfer Mini 2 Pro 160 Lux / max. 550 Lumen, Tagfahrlicht, mit deutschem Prfzeichen SB-verpackt , 12 V, fr E-Bikes bis 25 km/h, mit Abblend- und Fernlicht, 10 W Fernlicht 550 Lumen / 160 Lux , 5 W Abblendlicht 235 Lumen / SUPERNOVA LED-Scheinwerfer Mini 2 Pro 160 Lux / max. 550 Lumen, Tagfahrlicht, mit deutschem Prfzei ... Inge 212 mm und Halterung fr dezentrale Lenkerklemmung, 22,0 mm x 0.710.674/3 Originalnummer: **U-MINI2P-BLK** schwarz poliert, inkl. Power Connector Cable - Bosch Kabellnge: 1.300 mm, mit Bosch St... lang:de score:32 filesize: 59.69 K page\_count: 2 document date: 2024-11-19

[pdf] User Manual

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