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NEBO Nebo - NEB-SPT-1004

NEBO Luxtreme SL25R 500 lm Black LED Spotlight User Manual

Model: Nebo - NEB-SPT-1004 | Brand: NEBO

Introduction

The NEBO Luxtreme SL25R is a powerful and durable 500 lumen LED spotlight designed for various lighting needs. Featuring a robust aluminum construction and IP67 waterproof rating, this spotlight is built to withstand challenging environments. It operates on a removable 18650 lithium-ion battery, offering extended runtime and convenient recharging via USB-C. Its versatile design includes a magnetic base and a removable belt clip for hands-free operation and easy portability.

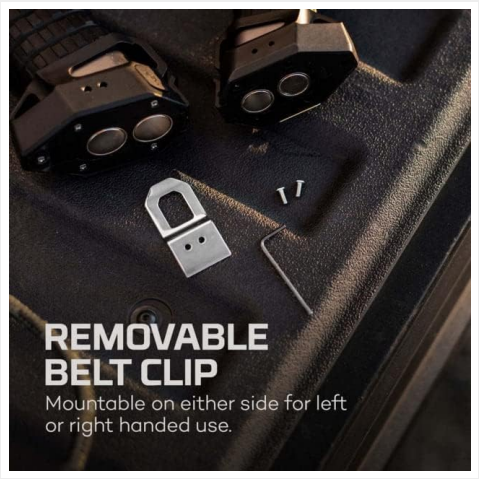
Setup

1. Battery Installation and Initial Charge



The Luxtreme SL25R comes with a pre-installed 18650 lithium-ion battery. Before first use, fully charge the device. Locate the USB-C charging port, typically covered by a protective cap to maintain waterproofing. Connect the provided USB-C cable to the spotlight and a compatible USB power source. The charging indicator light will show the charging status. A full charge ensures optimal performance and runtime.

2. Attaching the Removable Belt Clip



The spotlight includes a removable belt clip for convenient carrying. To attach the clip, align it with the designated mounting points on the side of the spotlight's base. Use the provided small screws and hex key to securely fasten the clip. The clip can be mounted on either side for left or right-handed users.

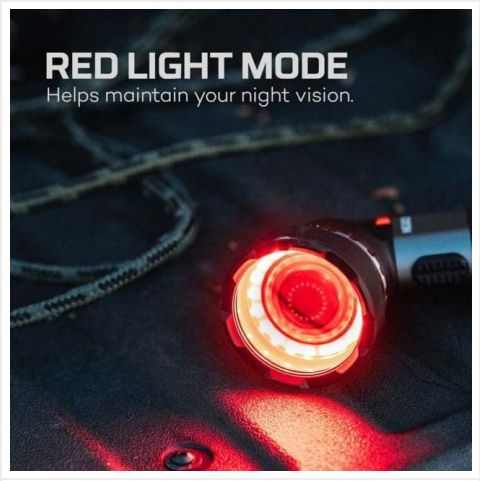
Operating Instructions

1. Powering On/Off and Mode Selection



To power on the spotlight, press the main power button located on the handle. Subsequent presses will cycle through available light modes, which typically include High, Low, and Strobe. To power off the device, press and hold the power button for approximately 2 seconds, or cycle through all modes until the light turns off.

2. Red Light Mode



The Luxtreme SL25R features a red light mode, which is useful for maintaining night vision. To activate the red light, refer to the specific button sequence in your quick start guide, or cycle through the white light modes until the red light activates. This mode is ideal for situations where minimal light is needed to preserve natural night adaptation.

3. Utilizing the Magnetic Base



The spotlight is equipped with a strong magnetic base, allowing for hands-free operation by attaching it to any ferrous metal surface. This feature is particularly useful for automotive work, camping, or any task requiring directed illumination without holding the device. Ensure the surface is clean and stable before attaching the spotlight.

4. Beam Distance and Performance



The Luxtreme SL25R provides a powerful beam capable of reaching significant distances, up to 1/4 mile. This makes it suitable for long-range illumination, search and rescue, or navigating large outdoor areas. The beam intensity and throw will vary depending on the selected mode and battery level.

Maintenance

1. Cleaning

To maintain the spotlight's performance and appearance, regularly wipe the exterior with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these can damage the finish or internal components. Ensure the lens is clean for optimal light output.

2. Battery Care

The 18650 lithium-ion battery should be charged regularly, even if the spotlight is not in frequent use, to prolong its lifespan. Store the spotlight in a cool, dry place. If the battery needs replacement, ensure you use a genuine NEBO 18650 battery or a compatible high-quality equivalent. Improper battery types or installation can lead to malfunction or damage.

3. Waterproofing

The Luxtreme SL25R is IP67 waterproof, meaning it can withstand submersion up to 1 meter deep for 30 minutes. To maintain this rating, ensure all caps and covers, especially the USB-C port cover, are securely closed before exposing the device to water. Do not attempt to operate the spotlight underwater beyond its specified depth and duration limits.

Troubleshooting

Problem	Possible Cause	Solution
Spotlight does not turn on.	Battery is depleted or improperly installed.	Charge the battery fully. Ensure the 18650 battery is inserted with correct polarity (+/-). If issues persist, the battery may need replacement.
Light is dim or flickers.	Low battery charge or dirty lens.	Recharge the battery. Clean the spotlight lens with a soft cloth.
Battery does not charge.	Faulty charging cable/adapter, or battery issue.	Try a different USB-C cable and power adapter. Ensure the charging port is clean. If the battery is old or damaged, it may no longer accept a charge and requires replacement. Note that some users have reported difficulties with battery charging and replacement; ensure you use compatible and correctly oriented batteries.
Water ingress after exposure.	USB-C port cover not sealed, or damage to housing.	Ensure all protective covers are securely closed before water exposure. If water has entered, immediately power off the device and allow it to dry completely. Do not attempt to use it until fully dry. Contact customer support if damage is suspected.

Specifications

Feature	Detail
Model	Nebo - NEB-SPT-1004

Feature	Detail
Lumen Output	500 lm
Power Source	18650 Lithium Ion Battery (included)
Voltage	3.7 Volts
Material	Aluminum
Color	Black
Dimensions (L x W x H)	3.94 x 3.94 x 7.87 inches
Item Weight	2 pounds
Waterproof Rating	IP67 (submersible up to 1 meter)
Special Features	Removable Belt Clip, Magnetic Base, USB-C Rechargeable, Red Light Mode

Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the official NEBO website or contact NEBO customer service directly. Keep your proof of purchase for any warranty claims. While protection plans may be available from retailers, direct product support and warranty claims are handled by the manufacturer.
For further assistance, visit the official NEBO store:NEBO Official Store

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