

ALONEFIRE SV116

Alonefire SV116 60W UV LED Flashlight User Manual

INTRODUCTION

Thank you for choosing the Alonefire SV116 60W UV LED Flashlight. This powerful 365nm UV flashlight is designed for various professional and domestic applications, including detection of pet urine, identification of minerals, amber, and currency, and resin curing. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your device. Please read it thoroughly before operation.

SAFETY INFORMATION

- **UV Radiation Warning:** Direct exposure to UV light can be harmful to eyes and skin. Always wear the provided UV protective glasses when operating the flashlight. Avoid pointing the light directly at people or animals.
- **Battery Safety:** Use only the specified Lithium-ion battery. Do not disassemble, short-circuit, or expose the battery to high temperatures or fire. Keep batteries out of reach of children.
- **Charging:** Use the provided USB-C cable for charging. Ensure the charging port is dry and clean before connecting.
- **Heat:** The flashlight may become warm during prolonged use. This is normal. Avoid touching the head of the flashlight when it is hot.
- **Water Resistance:** This product is not waterproof. Avoid exposure to water or high humidity.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Alonefire SV116 UV LED Flashlight
- Rechargeable Lithium-ion Battery (pre-installed or separate)
- USB-C Charging Cable
- UV Protective Glasses

- Wrist Strap



Image: Contents of the Alonefire SV116 package, including the flashlight, USB-C cable, and UV protective glasses.

PRODUCT FEATURES

- **High-Quality 365nm UV LED:** Features 6pcs 4-core 365nm UV LEDs, offering up to 60W power consumption and 8000mW light output for professional applications.
- **UV Filter Black Lens:** Equipped with a hardened black optical filter lens to block ambient visible light, ensuring a purer and more powerful ultraviolet output.
- **Durable Aluminum Alloy Casing:** Constructed from high-quality aluminum alloy for enhanced heat dissipation, extending the flashlight's lifespan and ensuring reliability.
- **USB-C Rechargeable:** Features a reversible USB-C charging port for convenient and easy charging. A charging indicator shows the power status. Includes a high-capacity rechargeable battery.
- **Reverse Charging (Power Bank Function):** Supports reverse charging via a USB-A output port, allowing the flashlight to function as a portable power bank for other devices using its high-capacity battery.

UV BLACHLIGHT FLASHLIGHT

The Ultraviolet flashlight can be used as pet (dog/cat) urine detector/scorpion finder/fluorescent/detector/currency/license/card/passport authenticating/oil stains/leakage detector/ore/antique identification/UV glue curing/ect.



6PCS
4-Cores
365nm UV LED

Image: Close-up view of the Alonefire SV116 flashlight head, highlighting the 6 UV LEDs and the filter lens.

SETUP

1. **Battery Installation:** If the battery is not pre-installed, unscrew the tail cap of the flashlight. Insert the included Lithium-ion battery with the positive (+) end facing towards the head of the flashlight. Screw the tail cap back on securely.
2. **Initial Charge:** For optimal performance, fully charge the flashlight before first use. Refer to the "Charging" section for detailed instructions.
3. **Attach Wrist Strap:** Thread the wrist strap through the loop on the tail cap for secure handling.

OPERATING INSTRUCTIONS

To operate the Alonefire SV116 UV LED Flashlight:

1. **Wear Protective Glasses:** Always put on the UV protective glasses before activating the flashlight.
2. **Power On/Off:** Press the power button located on the side of the flashlight to turn it on. Press the button again to turn it off.
3. **Usage:** Point the UV light at the area or object you wish to inspect. The 365nm UV light will reveal fluorescent materials or markings.

3. The flashlight's internal battery will begin charging your connected device.



Image: The Alonefire SV116 flashlight connected to a smartphone, demonstrating its reverse charging capability.

APPLICATIONS

The 365nm UV light of the Alonefire SV116 is suitable for various detection and curing tasks:

- **Pet Urine and Stains:** Detect invisible pet urine stains on carpets, furniture, and floors.
- **Mineral and Gemstone Identification:** Observe fluorescence in various minerals, amber, and other geological samples.
- **Scorpion Detection:** Scorpions fluoresce under 365nm UV light, making them easier to spot in dark environments.
- **Currency and Document Verification:** Reveal security features on banknotes, passports, and other official documents.
- **Resin Curing:** Accelerate the curing process of UV-sensitive resins and adhesives.
- **Leak Detection:** Identify leaks in HVAC systems or automotive fluids when a fluorescent dye is added.



Image: Visual examples of the Alonefire SV116's utility, including detecting pet stains on a toilet, revealing fluorescence on a cat, and highlighting features on tomatoes.

MAINTENANCE

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents. Clean the lens gently with a lens cleaning cloth.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery or ensure it is partially charged to prevent deep discharge.
- **Battery Care:** Recharge the battery regularly, even if not in use, to maintain its lifespan. Avoid fully discharging the battery.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is dead or incorrectly inserted.	Charge the battery or ensure it is inserted with the correct polarity.

Problem	Possible Cause	Solution
Light is dim.	Low battery charge.	Recharge the battery fully.
Flashlight gets hot quickly.	Normal operation for high-power UV LEDs.	Reduce continuous usage time if discomfort occurs. Ensure proper ventilation.
Cannot charge other devices (reverse charging).	Low flashlight battery or incorrect cable/port.	Ensure flashlight battery is sufficiently charged. Use the correct USB-A output port and a compatible cable for your device.

SPECIFICATIONS

Feature	Detail
Model	SV116
Brand	ALONEFIRE
UV LED Type	6pcs 4-core 365nm UV LED
Power Consumption	Up to 60 Watts
UV Output Power	8000mW
Material	Aluminum Alloy
Color	Dark Violet
Battery Type	1 x Lithium-ion (included)
Charging Port	USB-C
Reverse Charging	USB-A Output Port
Weight	400 grams
Dimensions (approx.)	18.4 x 9 x 5.9 cm (Package)
Water Resistance	Not waterproof
Country of Origin	China

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Alonefire customer service through your retailer. Keep your purchase receipt as proof of purchase.