

## Alonefire SV98

# Alonefire SV98 UV Flashlight User Manual

Model: SV98 | Brand: Alonefire

## 1. INTRODUCTION

The Alonefire SV98 is a compact, rechargeable ultraviolet (UV) flashlight designed for a variety of detection and curing applications. Featuring a high-quality 365nm UV LED, this portable device offers powerful illumination for identifying fluorescent substances not visible under normal light. Its robust aluminum alloy casing ensures durability and efficient heat dissipation, while the USB-C charging port provides convenient power management.



Image 1.1: The Alonefire SV98 UV flashlight, showcasing its compact design and the included USB-C charging cable.

## 2. SAFETY INFORMATION

**WARNING: Ultraviolet (UV) light can be harmful to eyes and skin. Always follow these safety guidelines:**

- **DO NOT LOOK DIRECTLY AT THE UV LIGHT SOURCE.** Direct exposure can cause eye damage.
- Avoid prolonged skin exposure to UV light.
- Keep out of reach of children.
- Use in a well-ventilated area if using for resin curing.

- Do not immerse the flashlight in water, despite its IPX5 water resistance rating.

## High Quality 365nm UV LED



Image 2.1: Close-up of the flashlight head, highlighting the UV LED and the important safety warning.

### 3. PRODUCT COMPONENTS

The Alonefire SV98 UV Flashlight package includes the following items:

- Alonefire SV98 UV Flashlight (with built-in rechargeable battery)
- USB-C Charging Cable
- Lanyard (wrist strap)



Image 3.1: Contents of the Alonefire SV98 package, including the flashlight and USB-C cable.

## 4. SETUP AND CHARGING

### 4.1 Initial Charge

Before first use, fully charge the Alonefire SV98 UV Flashlight. The device comes with a built-in high-capacity rechargeable battery.

### 4.2 Charging Procedure

1. Locate the USB-C charging port on the flashlight (typically at the tail end, near the power button).
2. Insert the provided USB-C cable into the flashlight's charging port.
3. Connect the other end of the USB-C cable to a compatible USB power source (e.g., computer, wall

adapter, power bank).

4. Observe the charging indicator:

- **Red Light:** Indicates the flashlight is currently charging.
- **Green Light:** Indicates the battery is fully charged.

5. Once fully charged, disconnect the USB-C cable.



Image 4.1: The flashlight connected for USB-C charging, illustrating the charging indicator lights.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

Press the power button (located at the tail end) to turn the flashlight on or off.

### 5.2 Applications

The 365nm UV LED provides strong ultraviolet light suitable for various professional and household uses:

- **Pet Stain and Urine Detection:** Identify hidden pet urine stains on carpets, furniture, and floors that



are invisible to the naked eye.

- **Pet Ringworm Inspection:** Assist in detecting fungal infections on pet skin.
- **Currency and Document Authentication:** Verify security features on banknotes, passports, and other official documents.
- **Mineral and Gemstone Identification:** Observe fluorescence in various minerals, amber, and jade.
- **Scorpion Detection:** Scorpions fluoresce under UV light, making them easier to spot in dark environments.
- **Resin and Glue Curing:** Accelerate the curing process of UV-sensitive resins and glues.
- **Fluorescent Agent Test:** Detect fluorescent agents in cosmetics, clothing, or other materials.
- **Household Stain Detection:** Locate hidden stains and dirt in bathrooms, kitchens, and other areas for thorough cleaning.



Image 5.1: Diverse applications of the UV flashlight, including pet health, material testing, and authentication.



Image 5.2: Demonstration of the flashlight's effectiveness in revealing hidden pet stains on a carpet.



Image 5.3: Using the UV flashlight to detect hidden stains in a household bathroom.



Image 5.4: Visual comparison demonstrating the superior performance of 365nm UV for mineral fluorescence.

## 6. MAINTENANCE

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### 6.1 Cleaning

Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents.

### 6.2 Battery Care

- Recharge the battery when the light output diminishes.
- If storing for an extended period, charge the battery to approximately 50% every 3-6 months to maintain battery health.
- Do not attempt to replace the built-in battery.

### 6.3 Water Resistance

The Alonefire SV98 has an IPX5 water resistance rating, meaning it is protected against low-pressure water jets from any direction. It can be used in rainy conditions but should not be submerged in water.

## 7. TROUBLESHOOTING

- **Flashlight does not turn on:**
  - Ensure the battery is fully charged. Connect the flashlight to a USB-C power source and check the charging indicator.
  - Verify the power button is pressed firmly.
- **Flashlight does not charge:**
  - Check if the USB-C cable is properly connected to both the flashlight and the power source.
  - Try a different USB-C cable or power adapter to rule out faulty accessories.
  - Ensure the power source is active and providing power.
- **UV light output is weak:**
  - The battery may be low. Recharge the flashlight.
  - Ensure the lens is clean and free from dirt or smudges.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Alonefire
Model	SV98
UV LED Wavelength	365nm
Power Consumption	3W
Luminous Power	600mW
Battery Type	Built-in Lithium Ion (1 required, included)
Charging Port	USB-C
Material	Aluminum Alloy
Water Resistance	IPX5 (Protected against low-pressure water jets)
Dimensions	77mm (length) x 17mm (diameter) / 3.03in x 0.67in
Weight	40g





Image 8.1: Physical dimensions of the Alonefire SV98 UV flashlight for reference.

## 9. WARRANTY AND SUPPORT

Specific warranty information is not provided in the product details. For warranty claims or technical support, please refer to the retailer's return policy or contact Alonefire customer service directly through their official channels or the point of purchase.

For further assistance, you may visit the [Alonefire Brand Store](#).

User Manual

SV003 UV Flashlight



[Alonefire SV003 UV Flashlight User Manual](#)

User manual for the Alonefire SV003 UV Flashlight, detailing package contents, battery installation, usage instructions, and charging procedures.

User Manual

H002 LED Flashlight



[Alonefire H002 LED Flashlight User Manual](#)

User manual for the Alonefire H002 LED Flashlight, covering package contents, battery installation, operation, and charging instructions. Includes detailed textual descriptions of images and symbols.