## Alonefire SV003

# Alonefire SV003 10W 365nm UV LED Blacklight Instruction Manual

Model: SV003

## 1. INTRODUCTION

Thank you for purchasing the Alonefire SV003 10W 365nm UV LED Blacklight. This powerful and versatile UV flashlight is designed for a variety of applications, including detection of pet stains, counterfeit currency, and gemstone inspection. This manual provides essential information for the safe and effective use of your device. Please read it thoroughly before operation and retain it for future reference.

## 2. SAFETY INFORMATION

**WARNING: UV light can be harmful to eyes and skin. Always wear appropriate UV protective eyewear when operating this device. Avoid direct exposure to the UV beam. Do not point the light at people or animals.**

- Do not look directly into the UV light source.
- Avoid prolonged skin exposure to UV light.
- Keep out of reach of children.
- The flashlight may generate heat during extended use. Handle with care.
- Use only the specified battery type (18650 lithium-ion) and charger.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Alonefire SV003 UV LED Blacklight
- 18650 Rechargeable Lithium-ion Battery
- USB Battery Charger
- USB Charging Cable
- Lanyard

Image: Alonefire SV003 UV LED Blacklight and its accessories.

## 4. PRODUCT OVERVIEW

The Alonefire SV003 features a durable aluminum alloy body and a 365nm UV LED light source, optimized for purity with a black filter optical lens. Its compact design ensures portability and ease of use.

**Power Button**

**Reflective Cup**

**Aluminium Alloy Body**

**Aluminium Alloy Body**

**365NM UV LED**

**Hard Toughened Black filter Optical Lens**

Image: Exploded view of the SV003 components.

Key components include:

- **Power Button:** Located at the tail cap for turning the flashlight on/off.
- **Aluminium Alloy Body:** Provides durability and enhanced heat dissipation.
- **Reflective Cup:** Directs the UV light beam.
- **365nm UV LED:** The primary light source.
- **Hard Toughened Black Filter Optical Lens:** Filters out visible light, ensuring a purer UV output.

## 5. SETUP

### 5.1. Battery Installation

1. Unscrew the tail cap of the flashlight.
2. Insert the included 18650 lithium-ion battery with the positive (+) end facing towards the flashlight head (LED).

3. Securely screw the tail cap back on.



Image: Correct battery insertion (+ towards head).

## 5.2. Charging the Battery

The included battery charger features overheat and overcharge protection.

1. Remove the 18650 battery from the flashlight.
2. Place the battery into the USB charger, ensuring correct polarity.
3. Connect the USB charging cable to the charger and a suitable USB power source (e.g., computer, wall adapter).
4. The indicator light on the charger will show red during charging and turn green when fully charged.
5. Charging typically takes 4-6 hours.

Image: USB battery charging process.

# 6. OPERATING INSTRUCTIONS

## 6.1. Turning On/Off

Press the power button located on the tail cap to turn the flashlight on. Press it again to turn the flashlight off.

## 6.2. General Usage

For best results, use the UV blacklight in a dimly lit or dark environment. The black filter lens helps to minimize visible light, making the UV effects more pronounced.
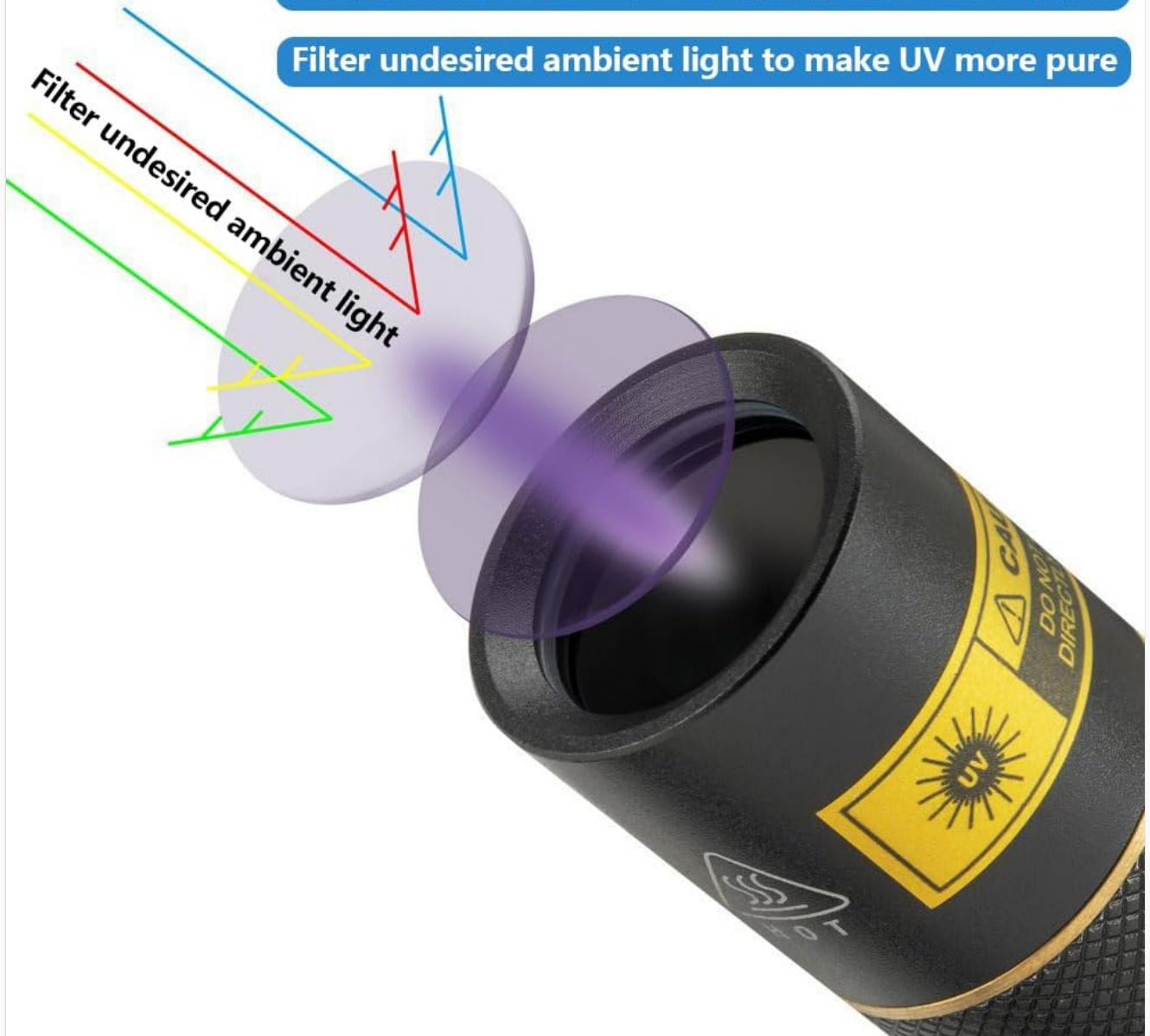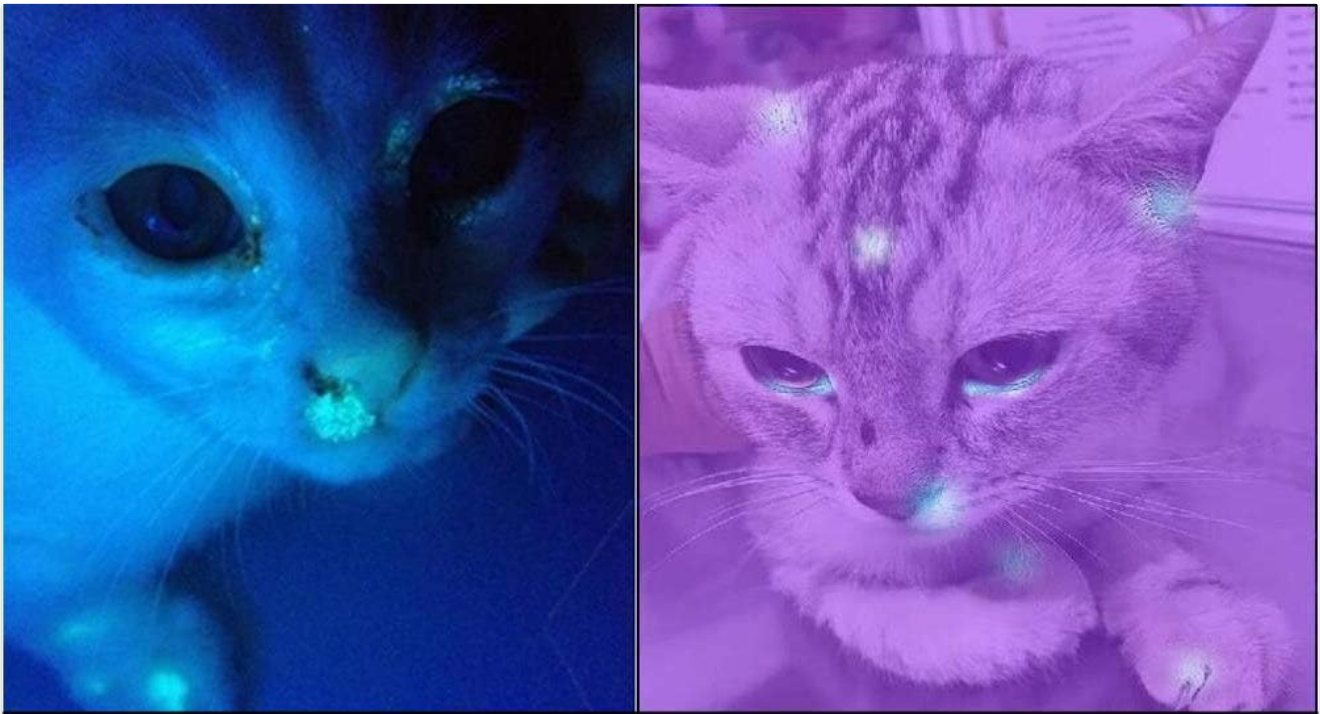
Image: Black UV Filter Lens operation.

## 7. APPLICATIONS

The Alonefire SV003 UV LED Blacklight is suitable for a wide range of applications:

- **Pet Urine and Stain Detection:** Easily locate invisible pet urine stains on carpets, rugs, and furniture.

Image: Pet fungus and urine detection examples.

- **Counterfeit Document and Currency Verification:** Reveal security features on banknotes, passports, and other official documents.
- **Gemstone and Mineral Inspection:** Identify fluorescent properties in various minerals and authenticate gemstones.
- **Resin Curing:** Accelerate the curing process of UV-sensitive resins.
- **Fishing Lure Charging:** Quickly charge glow-in-the-dark fishing lures.
- **General Stain Detection:** Discover hidden stains and hygiene issues in hotel rooms, bathrooms, and other areas.

Image: Hidden stains revealed in a bedroom setting.

## 8. MAINTENANCE

### 8.1. Cleaning

Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or immerse the flashlight in water. Keep the lens clean for optimal performance.

### 8.2. Battery Care

Store the battery in a cool, dry place when not in use. If storing for extended periods, charge the battery every 3-6 months to maintain its lifespan. Do not expose the battery to extreme temperatures or puncture it.

## 9. TROUBLESHOOTING

- **Flashlight does not turn on:**
  - Ensure the battery is correctly installed with the positive (+) end facing the head.
  - Check if the battery is charged. Recharge if necessary.
  - Ensure the tail cap is screwed on tightly.

- **Light is dim:**
  - The battery may be low. Recharge the battery.
  - Clean the lens if it appears dirty.

- **Flashlight gets hot during use:**
  - It is normal for the flashlight to generate some heat due to its high power output. If it becomes excessively hot, turn it off and allow it to cool down. Prolonged use at high temperatures can affect performance and lifespan.

## 10. SPECIFICATIONS

| Feature | Specification |
|---|---|
| Brand | Alonefire |
| Model Number | SV003 |

| Feature | Specification |
|---|---|
| Light Source Type | 365nm UV LED |
| Max Power Consumption | 10W |
| Emission Power | 2400mW |
| Material | Aluminum Alloy |
| Power Source | Battery Powered (1x 18650 Lithium-ion) |
| Battery Included | Yes |
| Color | Black |
| Product Dimensions | 11.91 x 2.31 x 2.31 cm |
| Product Weight | 53.86 g |
| Features | Rechargeable, Durable, Portable |
| Country of Origin | China |

## 11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact the Alonefire customer service directly. Keep your purchase receipt as proof of purchase.

## Related Documents - SV003



[Alonefire SV003 UV Flashlight User Manual](#)
User manual for the Alonefire SV003 UV Flashlight, detailing package contents, battery installation, usage instructions, and charging procedures.



[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.