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› ALONEFIRE SV99 3W UV LED Flashlight Instruction Manual

## ALONEFIRE SV99 395nm

# ALONEFIRE SV99 3W UV LED Flashlight Instruction Manual

## INTRODUCTION

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This manual provides detailed instructions for the safe and effective use of your ALONEFIRE SV99 3W UV LED Flashlight. Please read this manual thoroughly before operating the device and retain it for future reference.

## SAFETY INFORMATION

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- Do not look directly into the UV light. UV radiation can be harmful to eyes and skin.
- Keep out of reach of children.
- Do not immerse the flashlight in water, despite its IPX5 water resistance rating. It is designed to withstand rain, not submersion.
- Use only the provided or a compatible USB-C cable for charging.
- Avoid extreme temperatures.

## PRODUCT OVERVIEW

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### Features

- **High-Quality 395nm UV LED:** Utilizes a 3W, 600mW 395nm UV LED for professional detection and curing applications.
- **Durable Aluminum Alloy Shell:** Constructed from high-quality aluminum alloy for enhanced heat dissipation, extended lifespan, and increased reliability.
- **USB-C Rechargeable:** Features a convenient USB-C charging port with a charging indicator for easy and safe power management. Integrated rechargeable battery.
- **Versatile Applications:** Ideal for detecting pet urine/stains, pet ringworm, currency authentication, scorpion detection, mineral identification, bed bug detection, resin curing, and glue curing.
- **IPX5 Water Resistance:** Designed to operate in rainy conditions; however, it should not be submerged

in water.

## Package Contents

- ALONEFIRE SV99 UV LED Flashlight
- USB-C Charging Cable
- Integrated Lithium-ion Battery



Image: ALONEFIRE SV99 UV LED Flashlight with its USB-C charging cable.

## Specifications

Attribute	Value
Brand	ALONEFIRE
Model Number	SV99 395nm
UV LED Wavelength	395nm
Power Consumption	3W
Light Output	600mW
Material	Anodized Aluminum
Battery Type	Integrated Lithium-ion
Charging Port	USB-C
Water Resistance	IPX5 (Rainproof)
Dimensions	9.5 x 3.7 x 2.4 cm
Weight	40 grams



Image: The compact size of the ALONEFIRE SV99 UV LED Flashlight, fitting comfortably in a hand.

## Understanding UV Wavelengths (395nm)

The ALONEFIRE SV99 uses a 395nm UV LED. While 365nm UV light offers stronger penetration and less visible purple light, 395nm UV light is highly effective for a wide range of common applications, including pet urine detection, currency verification, and general fluorescent material identification. The visible purple glow of 395nm can sometimes affect judgment for highly specific tasks, but it is generally preferred for its

broad utility and clear fluorescence detection in many scenarios.

# Comparison Between 365NM And 395NM

## Different wavelengths

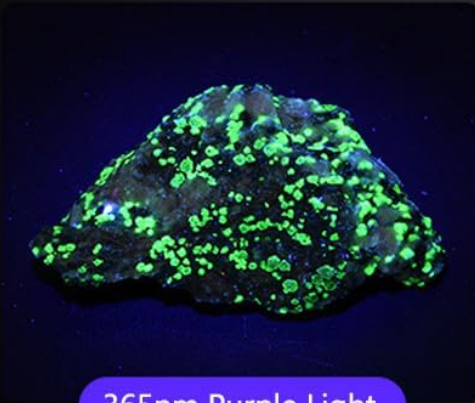
365nm or 395nm refer to wavelengths, and the shorter the wavelength, the stronger the penetration and the better the identification effect.

## Different Wolors

The light emitted at 365nm does not contain purple, which does not affect judgment. Purple at 395nm is very strong and sometimes affects judgment.

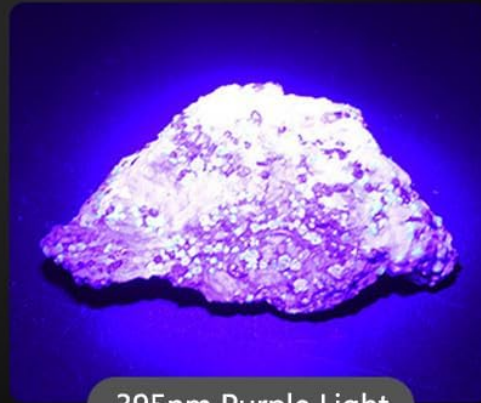
## Different Application Ranges

365nm has a wider range of use than 395nm, including fungal detection, authenticity identification, fine mark detection, UV curing, etc



365nm Purple Light

The fluorescence part is clearly visible



395nm Purple Light

Partial fluorescence is difficult to distinguish

Image: A visual comparison illustrating the differences between 365nm and 395nm UV light, particularly in color and how they reveal fluorescence.

## SETUP

1. **Initial Charge:** Before first use, fully charge the flashlight using the provided USB-C cable. Refer to the "Charging" section for details.
2. **Inspect:** Ensure the flashlight is free from any visible damage.

## OPERATION

1. **Power On/Off:** Press the power button located on the side of the flashlight to turn the UV light on or off.
2. **Usage:** Direct the UV light towards the area or object you wish to inspect. The 395nm UV light will reveal fluorescent substances.



**Pet fungus  
inspection**



**Skin abnormality  
detection**



**Fluorescent  
agent test**



**Jade  
Identification**



**Authenticity  
identification**



**Crop  
identification**

Image: Examples of the UV flashlight's applications, such as detecting pet fungus and authenticating currency.

# Detecting stains in the room

*No more paying for professional cleaners,  
make your cleaning simple*



Image: The UV flashlight being used to detect hidden stains in a room.

## CHARGING

The ALONEFIRE SV99 features a built-in rechargeable Lithium-ion battery and a USB-C charging port.

- **Connect:** Insert the USB-C end of the charging cable into the flashlight's port and the USB-A end into a compatible power source (e.g., power bank, wall charger, laptop, car charger).
- **Charging Indicator:** A red light indicates the flashlight is charging. A green light indicates it is fully charged.
- **Charging Time:** Approximately 1.5 hours for a full charge.
- **Battery Life:** Provides approximately 1 to 1.5 hours of continuous use on a full charge.



Image: The flashlight connected to a USB-C charger, illustrating the charging indicator lights and charging specifications.

## MAINTENANCE

- **Cleaning:** Wipe the flashlight with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, charge the flashlight regularly, even if not in frequent use. Avoid fully discharging the battery for extended periods.

## TROUBLESHOOTING

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
Flashlight does not turn on.	Battery is depleted.	Charge the flashlight using the USB-C cable.
Flashlight does not charge.	Cable or power source issue; charging port obstruction.	Ensure the USB-C cable is properly connected and the power source is functional. Try a different cable or power adapter. Check for debris in the charging port.
UV light appears dim.	Low battery; dirty lens.	Recharge the flashlight. Clean the lens with a soft cloth.

## **WARRANTY AND SUPPORT**

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For warranty information or technical support, please refer to the retailer where the product was purchased or contact ALONEFIRE customer service directly. Keep your proof of purchase for any warranty claims.

*Note: Information regarding spare parts availability is not provided.*