

DARKBEAM A300

DARKBEAM A300 UV Black Light Flashlight 395nm Instruction Manual

Brand: DARKBEAM | Model: A300

1. INTRODUCTION

Product Overview

The DARKBEAM A300 UV Black Light Flashlight is a versatile and powerful ultraviolet LED device designed for various detection and curing applications. Featuring a 395nm wavelength, it is effective for identifying pet urine stains, curing UV resin, illuminating fluorescent materials, and verifying currency.

- **395nm UV Wavelength:** Optimized for detecting dried pet urine stains, curing UV resin, and illuminating UV-reactive items.
- **USB Rechargeable:** Includes a long-lasting rechargeable battery, fully charged in approximately 3 hours via any 5V 2A USB device.
- **Zoomable Lens:** Adjust the light beam from wide to narrow for versatile application, from broad area scanning to focused inspection.
- **Single Lighting Mode:** Simple one-click operation for ease of use.
- **Compact & Portable:** Tiny, lightweight design with a pocket clip for easy carrying.
- **Durable & Waterproof:** IPX4 water-resistant aluminum body ensures durability against splashes and impacts.



The DARKBEAM A300 UV Black Light Flashlight, featuring a 395nm UV LED, shown with its included USB-C charging cable.

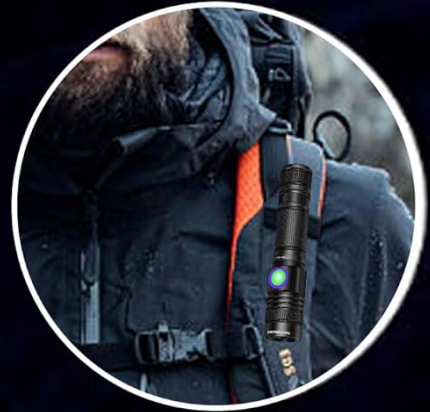
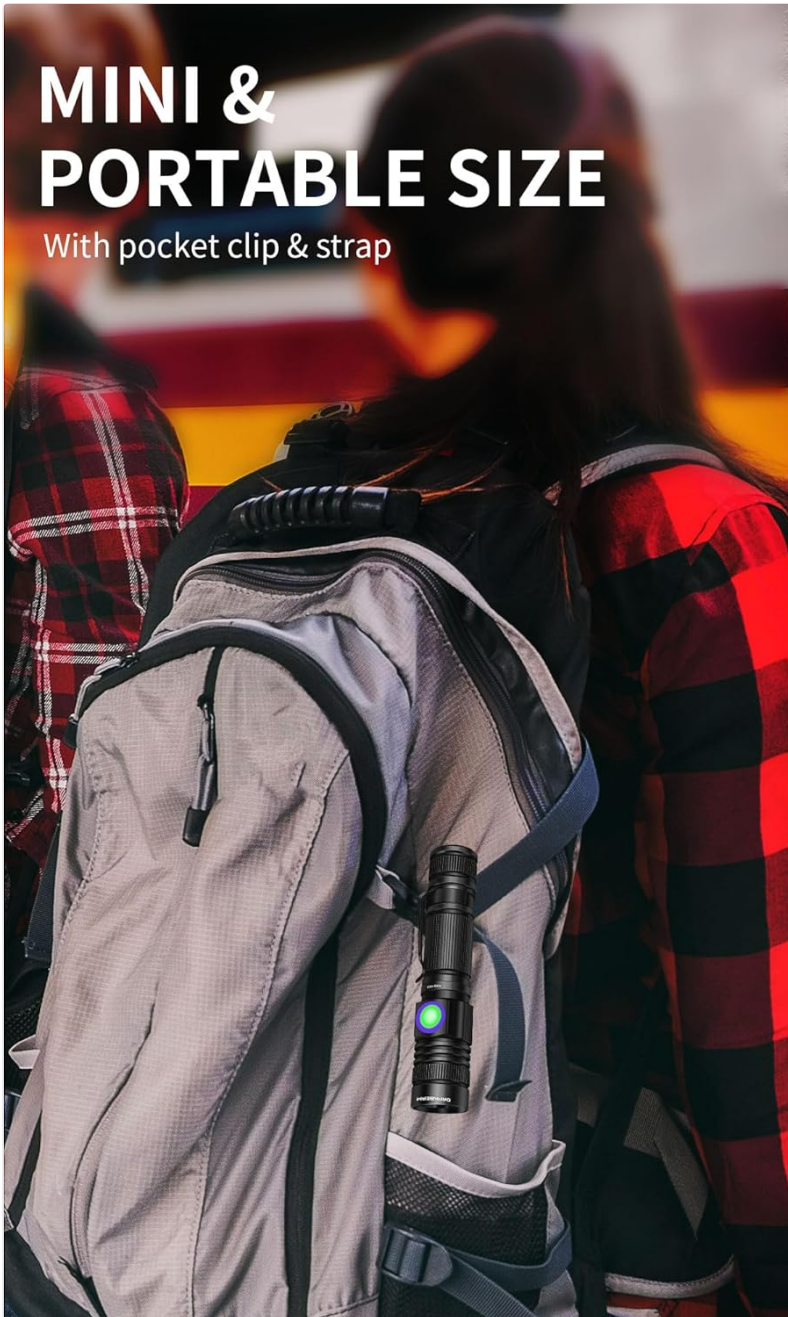
2. SETUP

Initial Battery Charging

1. **Unscrew and Reconnect Tail Cap:** Before first use, unscrew the tail cap of the flashlight. This disconnects the battery. Reconnect the battery and firmly tighten the tail cap. This ensures proper electrical contact.
2. **Connect to Power:** Use the provided Micro USB charging cable to connect the flashlight to any 5V 2A USB power source (e.g., wall adapter, computer USB port).
3. **Monitor Charging Indicator:** The power indicator button will show **ared light** during charging. Once fully charged, the indicator will turn **green**.
4. **Charging Time:** A full charge typically takes approximately 3 hours.

MINI & PORTABLE SIZE

With pocket clip & strap



The flashlight connected to a USB power source, indicating charging status with a red light and full charge with a green light.

3. OPERATING INSTRUCTIONS

Power On/Off

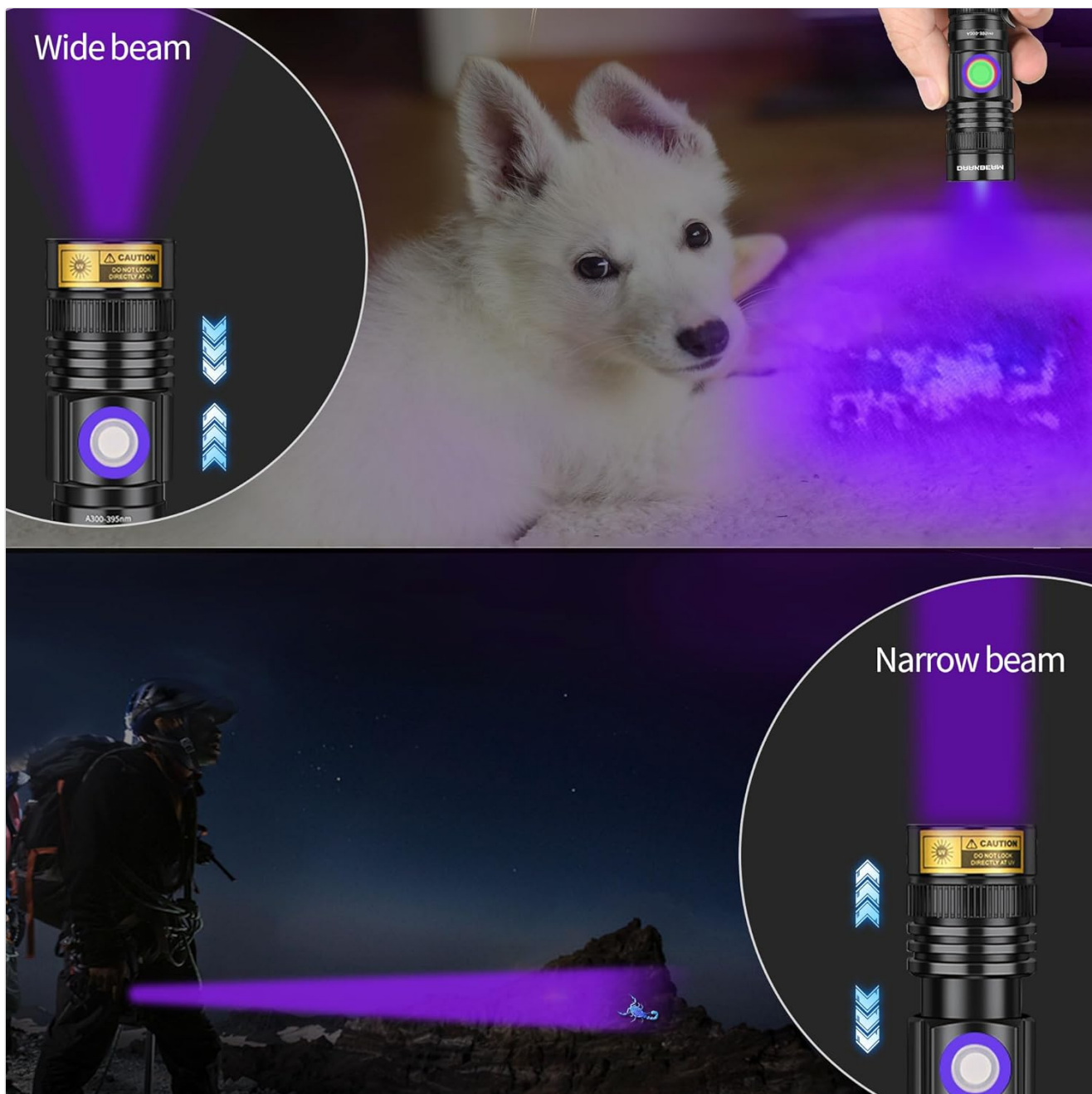
The DARKBEAM A300 features a simple single-mode operation:

- To turn the UV light **ON**, press the power button once.
- To turn the UV light **OFF**, press the power button again.

Zoom Function

The flashlight is equipped with a zoomable lens to adjust the beam focus:

- To achieve a **wide beam**, pull the head of the flashlight outwards. This is useful for scanning larger areas.
- To achieve a **narrow beam**, push the head of the flashlight inwards. This focuses the UV light for precise inspection of smaller areas.



This image illustrates the adjustable zoom feature of the flashlight, allowing users to switch between a wide beam for general area scanning and a narrow beam for focused inspection.

4. APPLICATIONS

Pet Urine Detection

The 395nm UV light is highly effective at revealing dried pet urine stains that are invisible to the naked eye. Use the wide beam to scan carpets, upholstery, and floors, then narrow the beam to pinpoint specific areas for cleaning.

Deep Cleaning Helper

Detect hard-to-see stains on carpets, sofas, walls and bathrooms



Illustration of the DARKBEAM A300 UV flashlight revealing hidden pet urine stains on a carpet, demonstrating its use as a deep cleaning helper.

Resin Curing & Mineral Identification

The UV light can be used for curing UV-sensitive resins and 3D resin prints. It also effectively illuminates fluorescent minerals and rocks, making it a valuable tool for geology enthusiasts and collectors.

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This video demonstrates the DARKBEAM UV flashlight's ability to reveal the fluorescence of various minerals, showcasing vibrant glows under UV light.

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Another demonstration of the DARKBEAM UV flashlight's effectiveness in identifying fluorescent minerals, highlighting their unique reactions to UV light.

Stain Detection & Authenticity Verification

Beyond pet stains, the flashlight can help detect fluorescent agents, hidden dirt, and other residues on various surfaces in your home. It can also be used to verify the authenticity of currency, passports, and other documents

with UV security features.



USB RECHARGEABLE & LONG BATTERY LIFE

USB-C Fast charge port. High capacity battery, sustainable use for more than 6 hours

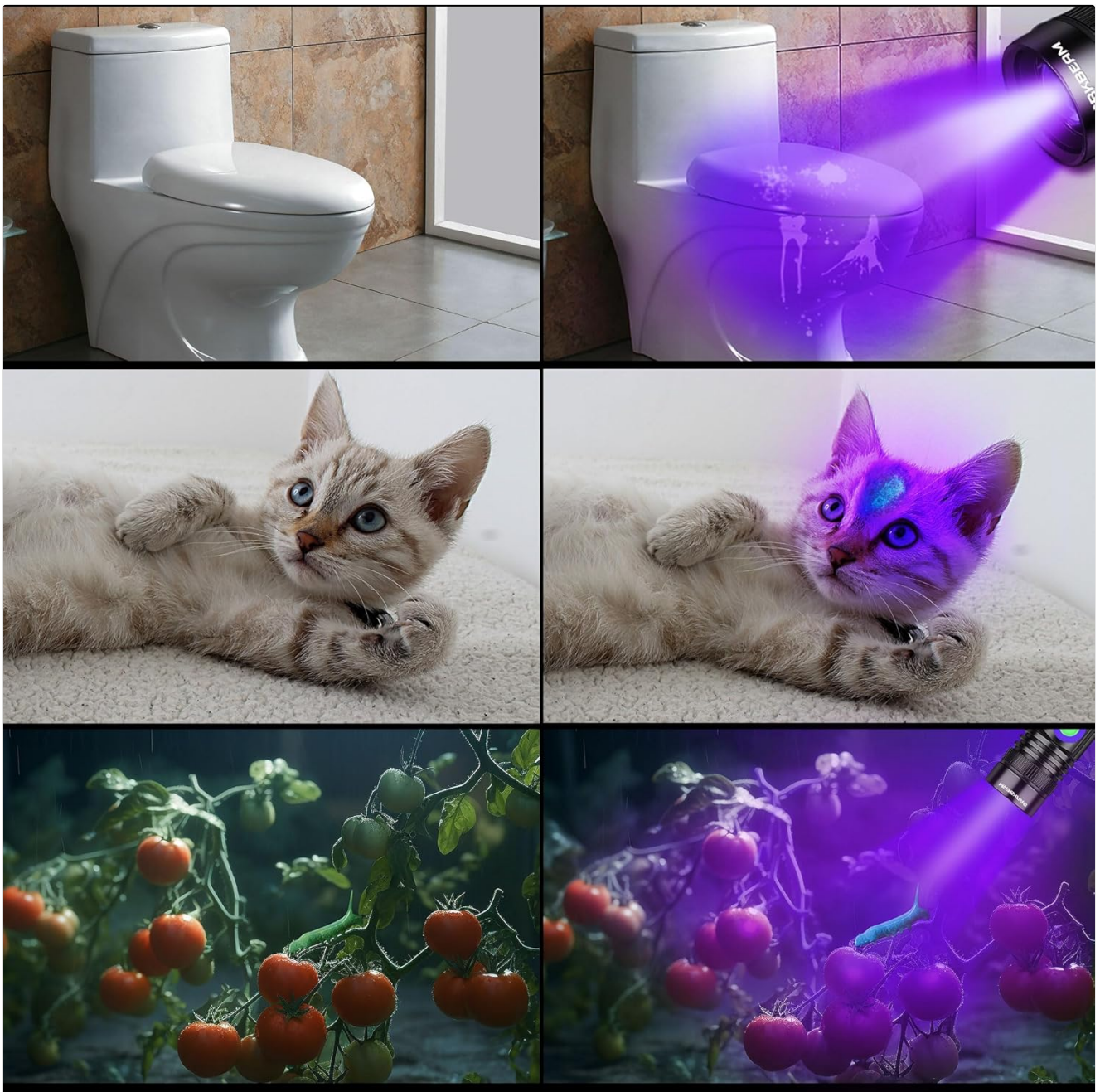


Green: Full Charging Red: In Charging





The UV flashlight illuminating unseen stains in a bathroom, emphasizing its utility for thorough household cleaning.



A visual guide showcasing the versatility of the UV flashlight for detecting unseen residues on surfaces like toilets, highlighting fluorescent elements on a cat, and inspecting fruits.

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A demonstration of the DARKBEAM UV flashlight being used to check the authenticity of a Euro banknote by revealing its security features under UV light.

5. MAINTENANCE

Cleaning

- Wipe the flashlight body with a soft, damp cloth.
- Do not use abrasive cleaners or solvents, as these can damage the finish or lens.
- Keep the lens clean for optimal light output.

Storage

- Store the flashlight in a cool, dry place away from direct sunlight.

- If storing for extended periods, ensure the battery is partially charged (around 50%) and recharge every 3-6 months to maintain battery health.



Examples of the flashlight's compact and portable design, showing it easily fitting into a pocket, attached to a backpack, or held comfortably in hand.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is not connected or is low/dead.	Ensure the tail cap is tightly screwed on. Charge the battery fully.
Light is dim.	Low battery. Dirty lens.	Recharge the battery. Clean the lens with a soft cloth.
Zoom function is stiff.	Dirt or debris in the mechanism.	Gently clean the sliding parts. Avoid forcing the mechanism.

Problem	Possible Cause	Solution
Charging indicator not working.	Faulty cable or power source.	Try a different USB cable and power adapter.

7. SPECIFICATIONS

Feature	Detail
Wavelength	395nm
Power Source	Rechargeable Battery Powered
Light Source Type	UV LED
Material	Aluminum
Special Features	Cat Pee Detector, Gem and Mineral Identification, Mini with Pocket Clip, Pet Dog / Cat Urine Detection, USB Rechargeable & Zoomable
Water Resistance	IPX4 (Water splashes and impacts)

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your DARKBEAM A300 UV Black Light Flashlight, please refer to the product packaging or contact DARKBEAM customer service through their official channels. Keep your purchase receipt for warranty claims.

