## DARKBEAM B61-DB-365NM-DB04

# DARKBEAM UV 365nm Flashlight User Manual

Brand: DARKBEAM | Model: B61-DB-365NM-DB04

## 1. INTRODUCTION

The DARKBEAM UV 365nm Flashlight is a powerful and versatile ultraviolet light source designed for a variety of detection and curing applications. This compact and rechargeable device utilizes a 365nm UV LED, which is ideal for revealing fluorescent agents, pet urine stains, AC leaks, and for curing UV resin. Its focusable beam and water-resistant design make it suitable for both indoor and outdoor use.

Image 1.1: The DARKBEAM UV 365nm Flashlight alongside its product packaging.

## 2. PRODUCT OVERVIEW AND FEATURES

The DARKBEAM UV 365nm Flashlight is engineered for efficiency and ease of use. Key features include:

- **Powerful 365nm UV LED:** Provides a specific wavelength of ultraviolet light, less visible to the naked eye than 395nm, making it highly effective for detecting fluorescent materials.
- **USB-C Rechargeable:** Equipped with a Type-C charging port for convenient and fast recharging, eliminating the need for frequent battery replacement.
- **Adjustable Focus:** A smooth push-and-pull lens design allows for easy adjustment between a wide floodlight beam and a concentrated spot focus.
- **Portable Design:** Compact and lightweight (4.64 oz, 5.05 x 1.1 inches) with a detachable clip for easy carrying in a pocket, backpack, or toolbox.
- **IPX4 Water Resistant:** Designed to withstand harsh environments, including rain and snow, ensuring

reliable operation.

- **Power Indicator:** A side switch with an integrated power indicator turns red when the battery is low, signaling the need for charging.



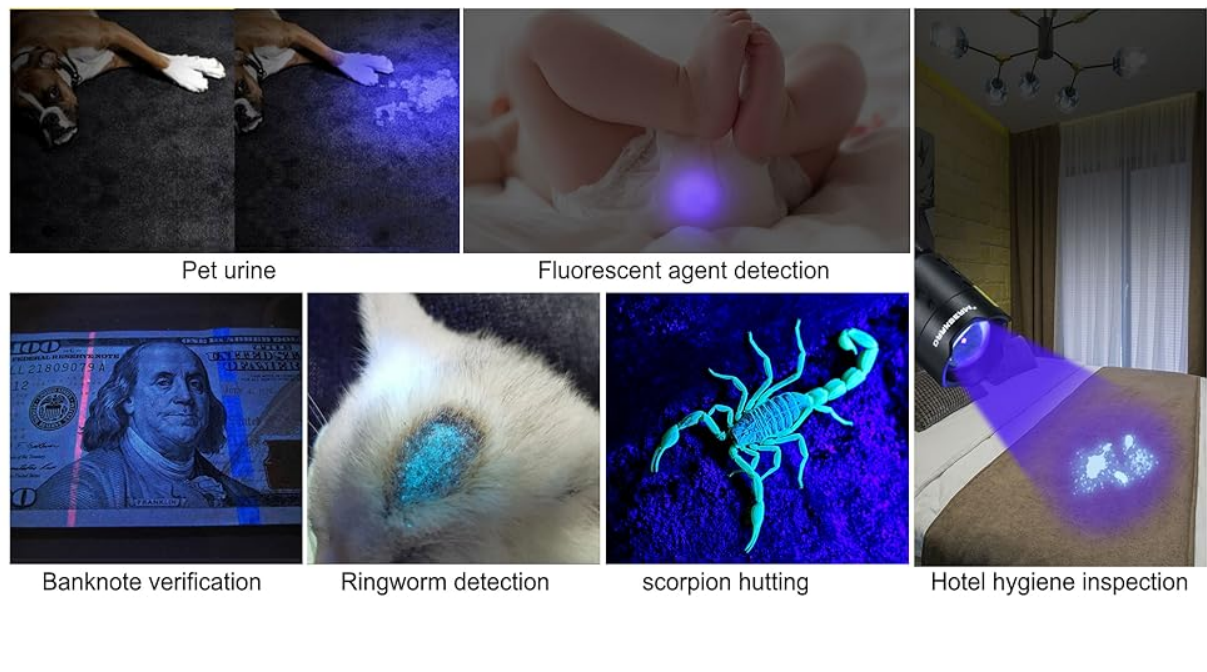Image 2.1: The flashlight's compact size and detachable clip for portability.

Image 2.2: Key components and design features of the flashlight.

## 3. What's in the Box

Upon unboxing, please ensure all items are present:

- DARKBEAM UV 365nm Flashlight (with 1 Lithium Ion battery included)
- USB-C Charging Cable

## 4. Setup

### 4.1 Initial Charging

Before first use, fully charge the flashlight. The device is powered by a rechargeable Lithium Ion battery.

1. Locate the USB-C charging port on the flashlight.
2. Connect the provided USB-C charging cable to the flashlight.
3. Plug the other end of the USB-C cable into any compatible USB power source (e.g., adapter, power bank, computer USB port) with a supply voltage not exceeding 5V 2A.
4. The power indicator on the side switch will illuminate red during charging.
5. Charging typically takes approximately 4 hours for a full charge. The indicator will turn green once fully charged.

Image 4.1: Connecting the flashlight for USB-C charging.

## 5. Operating Instructions

### 5.1 Power On/Off

Press the side power switch to turn the flashlight on or off.

### 5.2 Adjusting Focus

The flashlight features an adjustable focus design. To change the beam from a wide floodlight to a concentrated spot, simply push or pull the lens head of the flashlight.

Image 5.1: Demonstrating the adjustable focus between floodlight and spot beam.

### 5.3 Applications

The 365nm UV light is suitable for various professional and household applications:

- **Pet Urine Detection:** Identify dried pet urine stains on carpets, rugs, and other surfaces.
- **Fluorescent Agent Detection:** Reveal fluorescent agents in cosmetics, clothing, and other products.
- **AC Leak Detection:** Detect leaks in air conditioning systems when used with UV dye.
- **Curing UV Resin:** Accelerate the curing process of UV-sensitive resins for crafts and repairs.
- **Banknote Verification:** Check security features on currency.
- **Ringworm Detection:** Aid in the detection of ringworm on pets, which fluoresces under UV light.
- **Scorpion Hunting:** Scorpions glow brightly under UV light, making them easier to spot in dark environments.
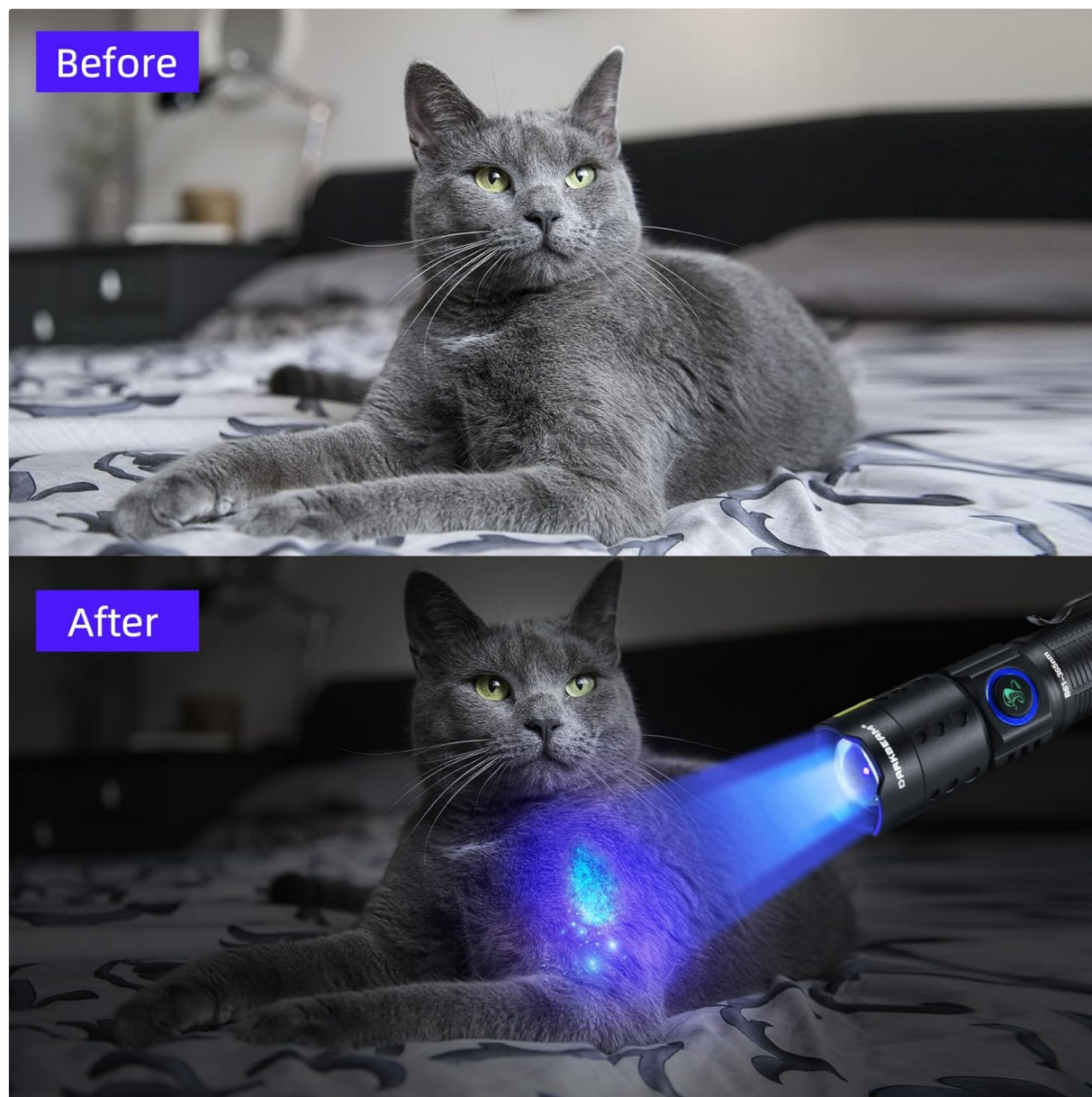- **Hotel Hygiene Inspection:** Inspect hotel rooms for cleanliness and hidden stains.

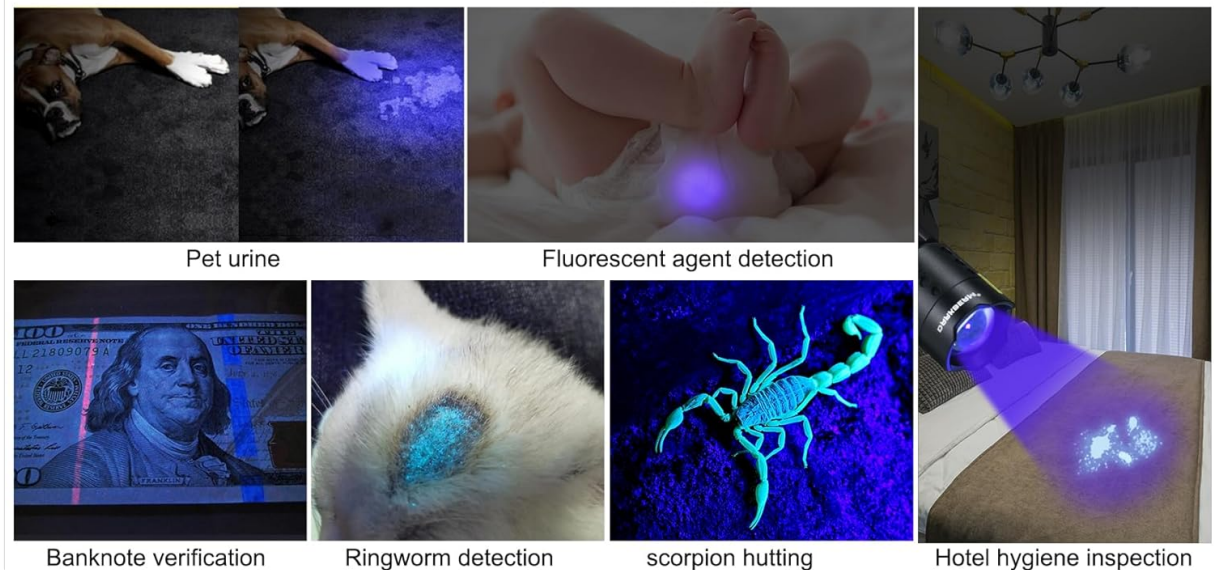Image 5.2: Example of cat ringworm detection using the UV flashlight.

Image 5.3: Diverse applications of the DARKBEAM UV 365nm Flashlight.

## 6. Maintenance

### 6.1 Cleaning

Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the lens is clean for optimal light output.

### 6.2 Water Resistance

The flashlight has an IPX4 water resistance rating, meaning it is resistant to splashing water from any direction. It is not designed for submersion. Ensure the USB-C port cover is securely closed to maintain water resistance.

Image 6.1: The flashlight's IPX4 water resistance.

## 7. TROUBLESHOOTING

### 7.1 Flashlight Not Turning On

- **Check Battery Level:** Observe the power indicator on the side switch. If it is red, the battery is low and requires charging.
- **Charge the Device:** Connect the flashlight to a USB-C power source using the provided cable and allow it to charge fully.

### 7.2 Beam Appears Weak

- **Recharge Battery:** A weak beam often indicates a low battery.
- **Clean Lens:** Ensure the lens is free from dirt or smudges that may obstruct the UV light.

## 8. SPECIFICATIONS

| Feature | Specification |
| --- | --- |
| Model Number | B61-DB-365NM-DB04 |
| Light Source Type | UV LED |
| UV Wavelength | 365nm (bluish) |
| Power Output | 10 Watts |
| Power Source | Battery Powered (Rechargeable Lithium Ion) |
| Charging Port | USB-C |
| Battery Life | 3-6 hours (depending on usage) |
| Charging Time | Approx. 4 hours |
| Material | Aluminum |
| Product Dimensions | 1.1"D x 1.1"W x 5.05"H |
| Item Weight | 4.64 ounces (131.5 Grams) |

| Feature | Specification |
|---|---|
| Water Resistance Level | IPX4 (Waterproof) |
| Special Features | Adjustable focus, detachable clip, power indicator |

## 9. WARRANTY AND SUPPORT

The DARKBEAM UV 365nm Flashlight comes with a **180-day warranty**. This is a time-bound warranty covering manufacturing defects and performance issues under normal use.

For any issues or inquiries regarding your UV Flashlight, please contact DARKBEAM customer support. You can typically reach us via email through your Amazon order details. Our support team is available to respond online 24/7.

| Feature | Specification |
|---|---|