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Wurkkos HD01

Wurkkos HD01 Flat EDC Flashlight User Manual

Model: HD01 | Brand: Wurkkos

1. Introduction

The Wurkkos HD01 is a versatile and compact Everyday Carry (EDC) flashlight designed for various applications, from daily tasks to emergency situations. It features a unique 3-in-1 lighting system, combining a powerful main light, a green light, and a multi-functional RGB side light. Its slim profile, magnetic tail cap, and durable construction make it a reliable tool.





Image 1.1: The Wurkkos HD01 Flat EDC Flashlight, showcasing its main light, control buttons, and RGB side light.

2. Package Contents

Please verify that all items are present in your package:

- 1 x Wurkkos HD01 Flashlight
- 1 x Belt Clip
- 1 x USB Type-C Charging Cable
- 1 x Lanyard
- 1 x User Manual



Image 2.1: Contents of the Wurkkos HD01 package, including the flashlight, USB cable, lanyard, and user manual.

3. Specifications

Feature	Description

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Main Light Brightness	Up to 1200 Lumens
Light Source Type	LED (Main, Green, RGB)
Material	AL6061-T6 Aluminum
Power Source	Built-in 1200mAh Lithium Ion Battery
Charging Port	USB Type-C
Water Resistance	IP65
Impact Resistance	1.5 meters
Dimensions (L x W x H)	4.3" x 1.06" x 0.6" (109mm x 27mm x 15mm)
Weight	3.36 ounces (95g)
Special Features	Adjustable Light Modes, Green Beam, RGB Side Light, Magnetic Tail Cap
Max Runtime	70 hours (Moonlight mode)

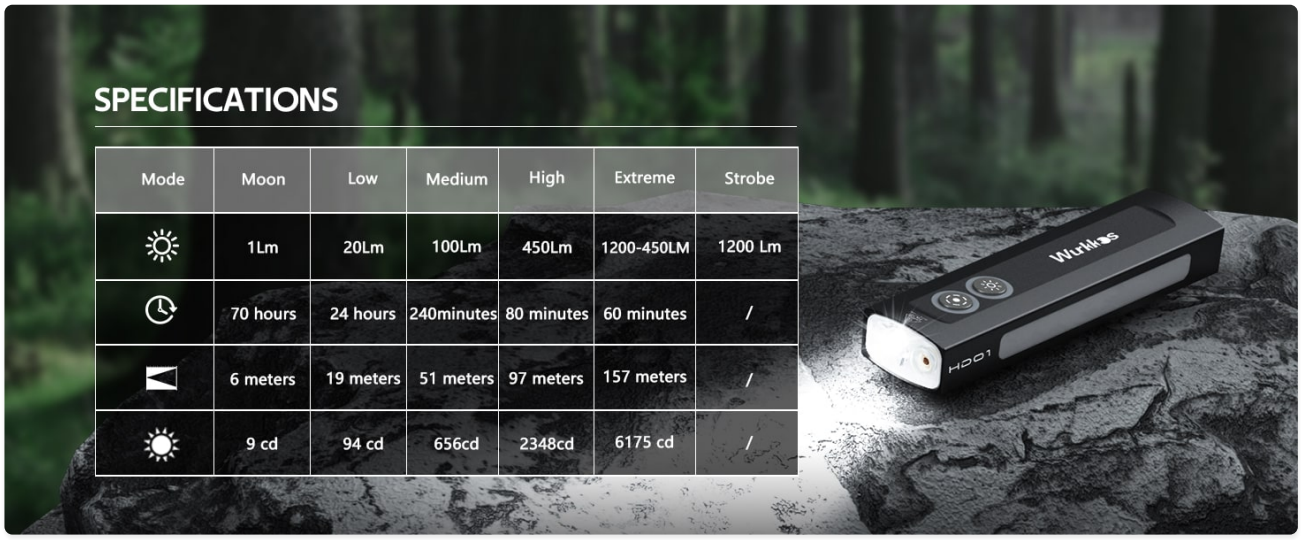


Image 3.1: Detailed specifications for the main light modes (Moon, Low, Medium, High, Extreme, Strobe).

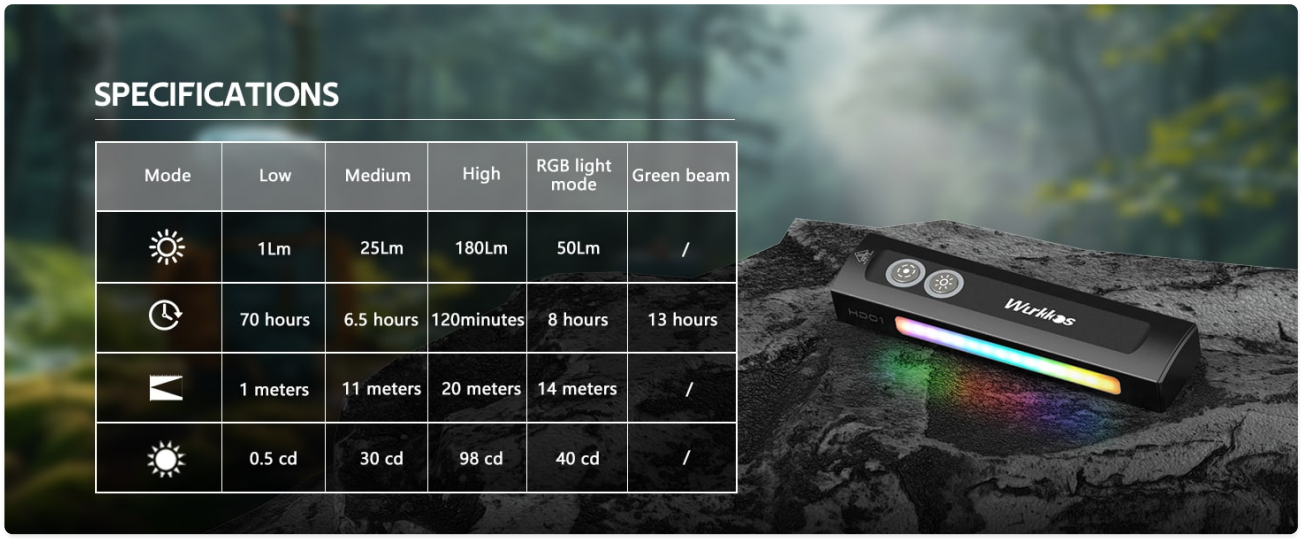


Image 3.2: Detailed specifications for the side light modes (Low, Medium, High, RGB, Green Beam).

4. Setup

4.1 Initial Charging

Before first use, fully charge the HD01 flashlight using the provided USB Type-C cable. Connect the cable to the flashlight's charging port and a compatible USB power source. The indicator lights around the switches will change color to show charging status (e.g., red for charging, green for fully charged).

4.2 Attaching Lanyard/Belt Clip

Attach the lanyard to the designated loop on the flashlight for secure carrying. The belt clip can be attached or removed as needed for convenient pocket or belt carry.

5. Operating Instructions

The Wurkkos HD01 features a dual-switch interface for intuitive control of its various lighting functions.



Image 5.1: Illustration of the dual switch system (Forward and Rear switches) and their primary functions.

5.1 Forward Switch (Top Button)

- **Single Click:** Activates the Green Light mode.
- **Double Click:** Activates the RGB Side Light mode.
- **Triple Click:** Cycles through special RGB light effects: Police Flash, Waterfall, and Droplets.

5.2 Rear Switch (Bottom Button)

- **Hold (from OFF):** Activates Moonlight mode.
- **Hold (from ON):** Cycles through Main Light brightness levels: Low → Medium → High. Release to select.
- **Double Click:** Activates Turbo mode for the Main Light.
- **Triple Click:** Activates Strobe mode for the Main Light.

5.3 Mode Memory

The flashlight features mode memory. When reactivated, the main light will automatically return to the previously used brightness level (Low, Medium, or High).

5.4 Power Indicator

After turning the HD01 on, the fluorescent ring around the side switch will illuminate for 5 seconds to indicate the current battery status. During charging, these lights will also indicate charging progress (e.g., red for charging, green for full).



Image 5.2: The intuitive interface of the HD01, demonstrating the green laser, side white floodlight, and RGB light functions controlled by the forward switch.

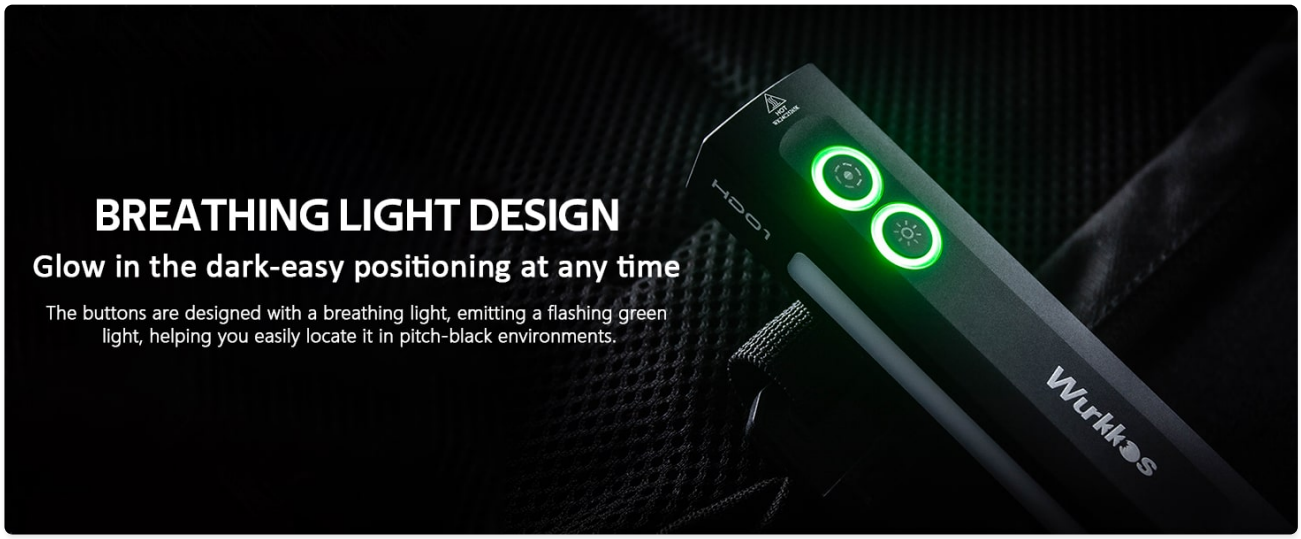


Image 5.3: The breathing light design around the buttons, providing easy visibility and positioning in dark environments.

6. Light Modes Overview

6.1 Main Light Modes

The main light offers various brightness levels for different needs:

- **Moonlight:** 1 lumen, ideal for close-up tasks without disturbing others.
- **Low:** 20 lumens.
- **Medium:** 100 lumens.
- **High:** 450 lumens.
- **Turbo:** 1200 lumens, for maximum illumination.
- **Strobe:** 1200 lumens, for signaling or disorientation.



Image 6.1: Visual representation of the main light's various output modes and their corresponding lumen levels.



Image 6.2: The main light providing powerful illumination on a dark path, demonstrating its throw capability.

6.2 Side Light & Green Beam Modes

The side panel offers additional lighting options:

- **Green Light:** Activated by a single click of the forward switch. Useful for specific tasks or preserving night vision.
- **RGB Side Light:** Activated by a double click of the forward switch. Offers stepless dimming and various color modes.
- **Special RGB Effects:** Police Flash, Waterfall, and Droplets, accessed by triple-clicking the forward switch in RGB mode.



Image 6.3: Overview of the HD01's multiple lighting modes, including the main light, side light, and green beam.

Image 6.4: Examples of the three distinct RGB light modes available on the HD01.

Image 6.5: The dynamic RGB lighting effects, providing versatile and engaging illumination.



Image 6.6: The green laser beam being used as a pointer during a presentation, highlighting its utility.

7. Charging

The Wurkkos HD01 is equipped with a built-in rechargeable battery and a USB Type-C charging port for convenience.

- Connect the provided USB Type-C cable to the flashlight's charging port.
- Plug the other end of the cable into a standard USB power adapter (e.g., phone charger, computer USB port).
- During charging, the indicator lights around the switches will typically glow red.
- Once fully charged, the indicator lights will turn green.



Image 7.1: The HD01 highlighting its long-lasting illumination, with up to 70 hours of runtime in Moonlight mode from its 1200mAh battery.

8. Magnetic Tail Cap Usage

The HD01 features a strong magnetic tail cap, allowing for hands-free operation by attaching the flashlight to various metal surfaces.

- Simply place the magnetic tail cap onto any ferrous metal surface.
- Adjust the angle of the flashlight to direct light where needed.
- This feature is particularly useful for automotive repairs, workshop tasks, or as a temporary work light.



Image 8.1: The HD01 demonstrating its magnetic tail cap functionality, attached to a car hood for hands-free lighting during maintenance.



Image 8.2: Multiple examples illustrating how the magnetic base can be used to free hands for tasks, such as working under a car hood or in a workshop.

9. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Wurkkos HD01 flashlight.

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth to remove dirt and debris. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Recharge the battery regularly, even if not in frequent use, to maintain battery health. Avoid fully depleting the battery for extended periods.
- **Water Resistance:** While IP65 rated, ensure the USB port cover is securely closed to prevent water ingress.



Image 9.1: The HD01 flashlight being used in rainy conditions, highlighting its durable AL6061-T6 aluminum construction and IP65 water resistance.

10. Troubleshooting

If you encounter issues with your Wurkkos HD01, refer to the following common problems and solutions:

- **Flashlight does not turn on:**
  - Ensure the battery is charged. Connect to a USB power source and check if the charging indicator lights activate.
  - Verify that the buttons are being pressed correctly according to the operating instructions.
- **Light flickers or is dim:**
  - The battery level may be low. Recharge the flashlight.
  - Ensure the USB port cover is fully closed to prevent any loose connections or debris.
- **Flashlight gets warm during use:**
  - It is normal for the flashlight to generate heat, especially when operating in High or Turbo modes for extended periods. This is due to the high power output.
  - If it becomes excessively hot, reduce the brightness level or turn it off to allow it to cool down.

11. Safety Information

Please read and adhere to the following safety guidelines:

- **Eye Safety:** Do not look directly into the light beam, especially in High or Turbo modes, as it can cause temporary vision impairment or permanent eye damage.
- **Children:** Keep the flashlight out of reach of children to prevent accidental activation or misuse.
- **Heat:** The flashlight can become hot during prolonged use at high brightness levels. Handle with care.
- **Strobe Mode:** Be aware that the strobe mode can trigger seizures in individuals with photosensitive epilepsy. Use with caution around others.
- **Environment:** Avoid exposing the flashlight to extreme temperatures, open flames, or corrosive liquids.

12. Warranty and Support

Wurkkos products are designed for durability and performance. For warranty information, technical support, or service inquiries, please refer to the official Wurkkos website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.
For direct support, you may contact the seller, Wurkkos US, through the platform where the product was purchased.

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