

## Weltool M6-Dr

# Weltool M6-Dr Diagnostic Medical Penlight User Manual

Model: M6-Dr

## 1. INTRODUCTION

This manual provides comprehensive instructions for the Weltool M6-Dr Diagnostic Medical Penlight. This device is engineered for medical professionals, offering precise, glare-free illumination essential for various examinations and inspections. Please read this manual thoroughly before operating the device to ensure proper usage and maintenance.



*Image 1: The Weltool M6-Dr Diagnostic Medical Penlight, a compact and durable inspection tool.*

## 2. PRODUCT FEATURES

- **High Color Rendering:** Equipped with a warm white LED, featuring a 3000K color temperature and an 85% Color Rendering Index (CRI). This design minimizes glare and ensures accurate color representation of tissues, aiding in precise diagnosis.

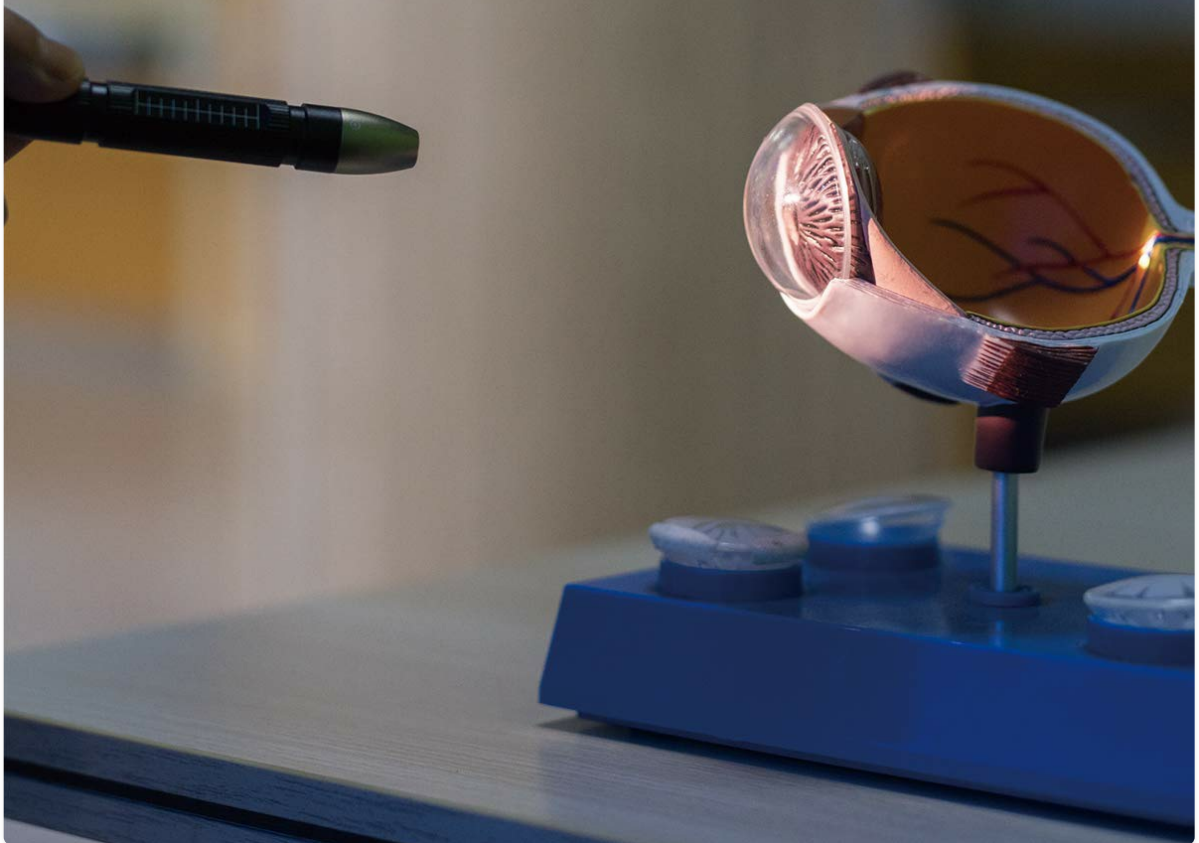


- Warm white LED with 3000K color temperature.
- Color rendering index of 85%, rivaling those of the incandescent lights.
- The true color rendering aids doctors in exams, avoids misdiagnosis caused by glaring light distorting skin and tissue tones.

*Image 2: Illustration of the penlight's warm white LED output, highlighting its high color rendering capabilities for medical examinations.*

- **Soft, Even Illumination:** The 4.5 lumen output provides a soft, uniform light beam that is gentle on patients' eyes and ideal for detailed examinations by optometrists and ophthalmologists.

The soft even light will not disturb the doctor's nor the patient's vision. The 4.5 lumen output is perfect for the optometrist and ophthalmologist to conduct examinations.



*Image 3: The penlight illuminating an eye model, demonstrating its soft and even light distribution suitable for sensitive medical inspections.*

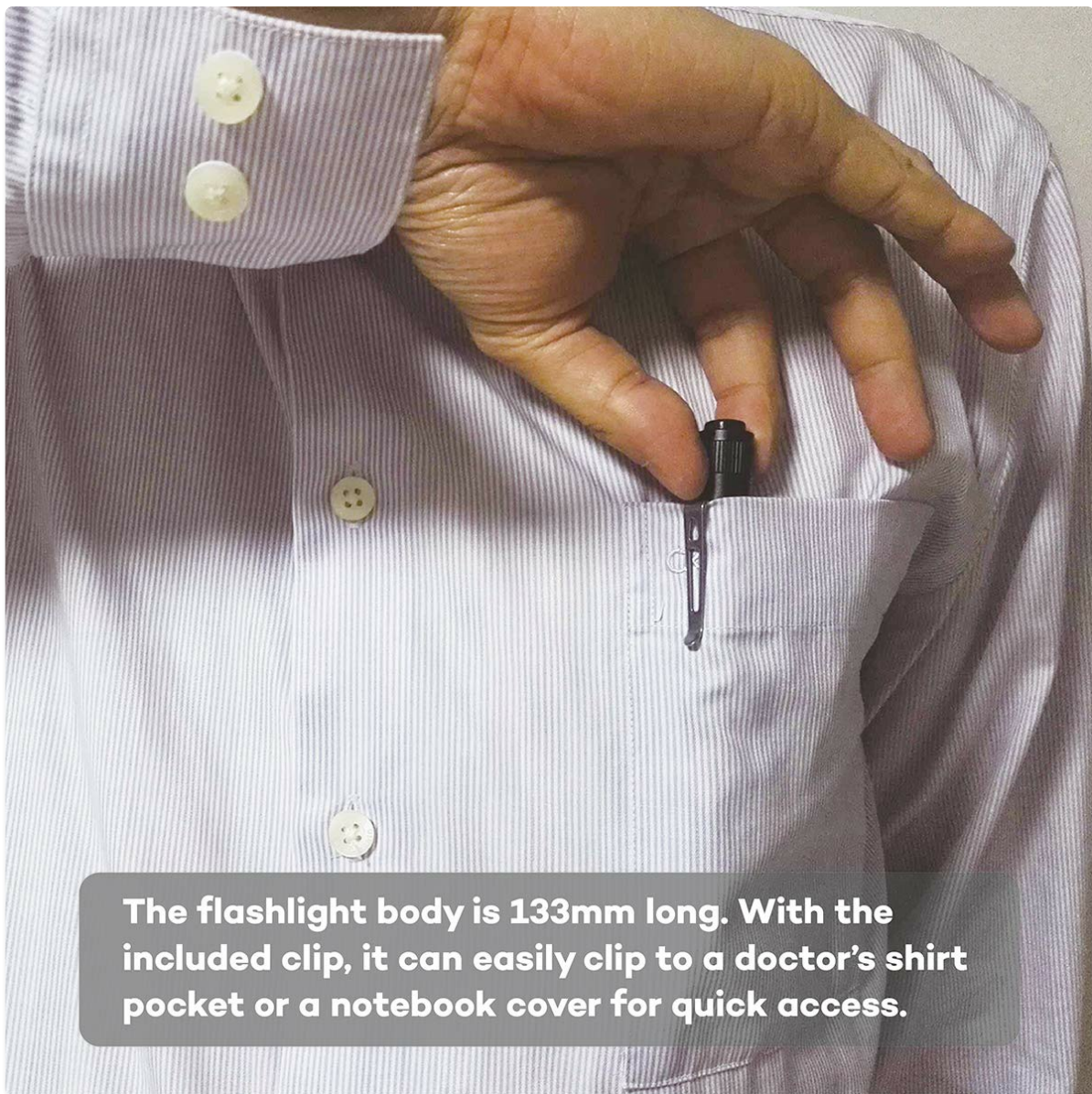
- **Reduced Blue Light Emission:** The LED technology employed in the M6-Dr is designed to reduce harmful blue light, protecting both the user's and patient's vision during prolonged use.



*Image 4: A medical professional using the penlight during an eye examination, illustrating the benefit of reduced blue light for patient comfort and safety.*

- **Compact and Portable Design:** Measuring 5.24 inches in length, the penlight is designed for easy portability. It includes a durable steel clip for secure attachment to a shirt pocket or notebook cover, ensuring quick access.





**The flashlight body is 133mm long. With the included clip, it can easily clip to a doctor's shirt pocket or a notebook cover for quick access.**

*Image 5: The penlight securely clipped into a shirt pocket, demonstrating its compact size and convenient portability for medical professionals.*

- **Integrated Measurement Indicators:** The penlight body features etched inch indicators, useful for close-up inspections and measurements.
- **Durable Construction:** Manufactured from anodized aerospace 6061 aluminum alloy with an optical glass lens. It boasts an IP65 waterproof rating and incorporates reverse polarity protection for enhanced durability and reliability.

### 3. SETUP

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#### 3.1 Battery Installation

1. Unscrew the tail cap of the penlight.
2. Insert two (2) AAA alkaline batteries into the battery compartment, ensuring correct polarity (+/-) as indicated inside the device. Incorrect polarity can prevent operation or damage the penlight.
3. Screw the tail cap back on securely until it is finger-tight.

### 4. OPERATING INSTRUCTIONS

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## 4.1 Power On/Off

The Weltool M6-Dr is operated via a simple tail clicker switch:

- To turn the penlight **ON**, firmly press the tail switch until it clicks.
- To turn the penlight **OFF**, firmly press the tail switch again until it clicks.

## 4.2 Usage

Direct the light towards the area requiring inspection. The focused and even beam is suitable for various diagnostic tasks, including pupil examination, throat inspection, and other close-range medical assessments.

# 5. MAINTENANCE

## 5.1 Cleaning

To clean the exterior of the penlight, wipe it with a soft, damp cloth. For disinfection in clinical environments, the device's IP65 rating allows for the use of clinical sanitizing wipes. Ensure the tail cap is securely fastened before cleaning with liquids.

## 5.2 Battery Replacement

Replace the AAA batteries when the light output diminishes or the penlight fails to activate. Always dispose of used batteries according to local environmental regulations.

## 5.3 Storage

Store the penlight in a dry, cool place, away from direct sunlight and extreme temperatures. If the device will not be used for an extended period, it is recommended to remove the batteries to prevent potential leakage and damage.

# 6. TROUBLESHOOTING

- **Light does not turn on:**
  - Check if batteries are installed with correct polarity.
  - Replace batteries if they are depleted.
  - Ensure the tail switch is fully pressed until a click is heard.
- **Dim light output:**
  - Replace batteries with fresh ones.
- **Inconsistent operation (flickering):**
  - Ensure the tail cap is screwed on tightly.
  - Clean battery contacts and the contact points on the penlight with a dry cloth to remove any debris or corrosion.

# 7. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model	M6-Dr
Light Output	4.5 Lumens
Beam Intensity	18 Candela @ 0.5 Meter
Dimensions (Body Dia. x Length)	0.55" x 5.24" (14mm x 133mm)
Weight	23g (0.8oz) (without batteries)
Material	Anodized aerospace 6061 aluminum alloy
Light Source	Warm white LED, 3000K color temperature, CRI 85%
Waterproof Rating	IP65
Power Source	2 x AAA batteries (alkaline recommended)
Special Features	No-glare, even beam, integrated inch indicators, reverse polarity protection
Item Model Number	8542032050





Image 6: Diagram illustrating the physical dimensions of the Weltool M6-Dr penlight.

## 8. SAFETY INFORMATION

- Do not look directly into the light source to avoid temporary vision impairment.
- Keep the device out of reach of children.
- Do not mix old and new batteries, or different types of batteries, as this can lead to battery leakage or explosion.
- Remove batteries if the device will not be used for an extended period to prevent potential damage from battery leakage.
- Do not attempt to disassemble or modify the penlight, as this will void the warranty and could cause damage or injury.

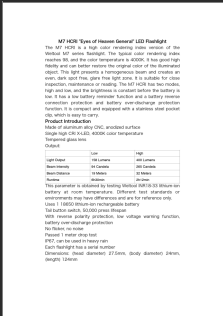
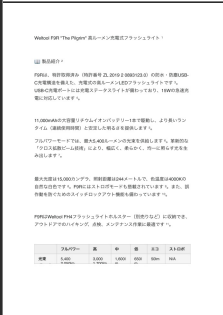


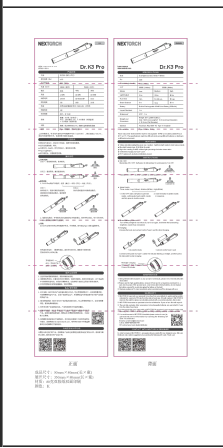
## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Weltool M6-Dr Diagnostic Medical Penlight, please contact Weltool customer service. Refer to the product packaging or the official

Weltool website for the most current contact details and warranty terms.

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Related Documents - M6-Dr

	<p><a href="#">Weltool M7 HCRI LED Flashlight User Manual</a></p> <p>Comprehensive guide for the Weltool M7 HCRI LED flashlight, detailing its features, specifications, operation, and maintenance. Includes high color rendering index, multiple modes, and durability.</p>
	<p><a href="#">Weltool F9R "The Pilgrim" High Lumen Rechargeable LED Flashlight - User Manual</a></p> <p>Detailed user manual for the Weltool F9R "The Pilgrim" rechargeable LED flashlight, covering product introduction, features, specifications, operation, and precautions. Includes information on modes, battery, charging, and safety guidelines.</p>
	<p><a href="#">Weltool F9R 'The Pilgrim' High Lumen Rechargeable LED Flashlight - User Manual and Specifications</a></p> <p>Comprehensive user manual and specifications for the Weltool F9R 'The Pilgrim' rechargeable LED flashlight. Features 5400 lumens, 4000K color temperature, 244m beam distance, IP67 waterproof rating, USB-C charging, and multiple output modes. Includes operating instructions, safety notices, and technical details.</p>
	<p><a href="#">Weltool T15 Elfin Flutist LED Tactical Flashlight User Manual</a></p> <p>Comprehensive user manual for the Weltool T15 Elfin Flutist LED tactical flashlight, detailing its features, specifications, operating instructions, and usage tips for optimal performance and safety.</p>
	<p><a href="#">NEXTORCH Dr.K3 Pro Medical Penlight: Specifications and Instructions</a></p> <p>Comprehensive guide to the NEXTORCH Dr.K3 Pro medical penlight, detailing its specifications, features, operation, maintenance, and warranty information. Features dual yellow and white light sources, high color rendering (Ra≥95), and Type-C charging.</p>

