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Mankerlight MK34 II

Manker MK34 II Flashlight User Manual

Model: MK34 II | Brand: Mankerlight

1. Introduction

The Manker MK34 II is an advanced, high-power flashlight designed for superior illumination. Featuring 12 XHP50.2 LED sources, it delivers an impressive 34,000 lumens of light output, making it suitable for a wide range of demanding applications. Its robust construction and intelligent design ensure reliable performance in various environments.
Key features include:

- **Light Output:** Up to 34,000 lumens (Turbo / Strobe modes).
- **Beam Distance:** Reaches up to 283 meters.
- **LED Source:** Equipped with 12 XHP50.2 LEDs.
- **Waterproof Rating:** IPX8 (submersible up to 2 meters).
- **Impact Resistance:** Withstands impacts from up to 1 meter.
- **Advanced Circuitry:** High efficiency constant circuit provides stable output (Non-PWM).
- **Temperature Regulation:** Intelligent temperature regulation module adapts to ambient environment.
- **Safety Features:** Electronic reverse polarity protection and over-discharge protection.
- **Battery Indicator:** Integrated indicator in side switch displays remaining battery voltage.



Image: A close-up view of the Manker MK34 II's head, showcasing the arrangement of the 12 XHP50.2 LED sources and their reflectors.

2. Safety Information

Please read and understand all safety instructions before using the Manker MK34 II flashlight to prevent injury or damage to the device.

- **Eye Safety:** Do not look directly into the flashlight beam, especially when operating in high or turbo modes. The intense light can cause temporary vision impairment or permanent eye damage.
- **Heat Warning:** The flashlight can become hot during prolonged use, especially in higher output modes. Exercise caution when handling to avoid burns.
- **Battery Safety:**
  - Use only recommended 18650 Lithium-Ion batteries.
  - Ensure correct battery polarity during installation. Incorrect installation can damage the flashlight and batteries.
  - Do not mix old and new batteries, or batteries of different types/brands.
  - Do not dispose of batteries in fire.
  - If the flashlight is not used for an extended period, remove the batteries to prevent leakage.
- **Water Resistance:** The MK34 II is IPX8 rated, meaning it is protected against continuous immersion in water up to 2 meters. Ensure all O-rings are properly seated and the tail cap is fully tightened before exposing the flashlight to water. This rating does not mean it is suitable for diving.
- **Children:** Keep out of reach of children.

3. Package Contents

Please check the package contents upon receipt. If any items are missing or damaged, contact your seller.

- 1 x Manker MK34 II Flashlight
- 1 x Waterproof O-ring (spare)

- 1 x Lanyard
- 1 x Quality Holster
- 1 x User Manual
- *Note: 3 x 18650 batteries are**not included** and must be purchased separately. A handle is also optional and not included with this specific model.*

4. Setup

4.1 Battery Installation

The Manker MK34 II requires three (3) high-drain 18650 Lithium-Ion batteries (not included). Ensure the batteries are fully charged before first use.

1. Unscrew the tail cap of the flashlight by turning it counter-clockwise.
2. Insert three 18650 batteries with the positive (+) terminal facing towards the head of the flashlight. The flashlight has electronic reverse polarity protection, but correct insertion is always recommended.
3. Screw the tail cap back on clockwise until it is fully tightened. This ensures proper electrical contact and maintains the waterproof seal.



Image: The Manker MK34 II flashlight, showing its compact design and side switch. This is the main product view.



Image: The Manker MK34 II flashlight standing upright, showcasing its side profile with cooling fins and branding.



Image: The Manker MK34 II flashlight placed next to a standard soda can, providing a clear visual reference for its compact size.



Image: The Manker MK34 II flashlight held in a hand, illustrating its ergonomic grip and compact size for comfortable handling.

5. Operating Instructions

The MK34 II is operated via a single side switch. The integrated indicator in the side switch displays the remaining battery voltage.

5.1 Basic Operation

- **Turn On/Off:** Single click the side switch to turn the flashlight on or off. The flashlight will remember the last used general mode (Moon, Low, Medium1, Medium2, Medium3, High).
- **Change Brightness Levels (General Modes):** When the flashlight is on, press and hold the side switch to cycle through Moon → Low → Medium1 → Medium2 → Medium3 → High. Release the switch to select the desired brightness level.
- **Instant Turbo:** From OFF or ON, double-click the side switch to activate Turbo mode. Double-click again to return to the previous mode.
- **Instant Strobe:** From OFF or ON, triple-click the side switch to activate Strobe mode. Single click to turn off, or

double-click to return to the previous mode.

- **Lockout Function:** From OFF, press and hold the side switch for 5 seconds until the flashlight flashes once, then the indicator light turns off. This indicates the flashlight is locked out to prevent accidental activation. To unlock, press and hold the side switch for 5 seconds until the flashlight turns on in Moon mode.

5.2 Battery Indicator

The integrated indicator light in the side switch provides real-time battery status:

- **Solid Blue:** Battery voltage is high.
- **Flashing Blue:** Battery voltage is medium.
- **Solid Red:** Battery voltage is low, recharge or replace batteries soon.
- **Flashing Red:** Battery voltage is critically low, flashlight will soon shut off.



Image: An illustration of the Moonlight Mode, showing the soft, low-level illumination provided by the flashlight, ideal for close-up tasks without disturbing night vision.

6. Features and Performance

6.1 Lighting Modes and Output

The MK34 II offers a versatile range of lighting modes to suit various needs:

- **Moon:** Ultra-low output for discreet illumination and extended runtime.
- **Low, Medium1, Medium2, Medium3, High:** General purpose modes for varying brightness needs.
- **Turbo:** Maximum output for intense, short-burst illumination.
- **Strobe:** Disorienting flash for signaling or self-defense.



Image: A demonstration of the Manker MK34 II's flood light capability, highlighting its 34,000 lumens output and 283m beam distance illuminating a large area at night.

6.2 Intelligent Temperature Regulation (ATR)

The MK34 II incorporates an advanced intelligent temperature regulation module. This system monitors the flashlight's temperature and automatically adjusts the output to prevent overheating, ensuring optimal performance and longevity of

the LEDs and internal components. This allows the flashlight to adapt to ambient environmental conditions.

6.3 Durability and Protection

- **IPX8 Waterproof:** The flashlight is designed to be submersible up to 2 meters, making it highly reliable in wet conditions.
- **Impact Resistance:** Built to withstand drops from up to 1 meter.
- **Electronic Reverse Polarity Protection:** Protects the flashlight from damage if batteries are inserted incorrectly.
- **Over-Discharge Protection:** Prevents damage to batteries by cutting off power when voltage drops too low.



Image: The Manker MK34 II flashlight being sprayed with water, demonstrating its IPX8 waterproof rating and ability to function reliably in wet environments.

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Manker MK34 II flashlight.

- **Cleaning:** Clean the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents. Clean the lens with a lens cleaning cloth and solution if necessary.
- **O-rings:** Periodically inspect the O-rings for wear and tear. Lubricate them with silicone grease to maintain the waterproof seal. Replace damaged O-rings promptly.
- **Threads:** Keep the threads of the tail cap clean and lightly lubricated to ensure smooth operation and good electrical contact.
- **Battery Storage:** If the flashlight will not be used for an extended period (e.g., more than a month), remove the batteries to prevent potential leakage and damage to the flashlight. Store batteries in a cool, dry place.

8. Troubleshooting

If you encounter issues with your Manker MK34 II, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Flashlight does not turn on.	• Batteries are depleted. • Batteries inserted incorrectly. • Tail cap is loose. • Flashlight is in lockout mode.	• Replace or recharge batteries. • Ensure positive (+) terminals face the head. • Tighten the tail cap fully. • Press and hold the side switch for 5 seconds to unlock.
Light output is dim or flickers.	• Low battery voltage. • Poor contact between battery and flashlight. • Overheating (ATR activated).	• Replace or recharge batteries. • Clean battery contacts and threads. Tighten tail cap. • Allow flashlight to cool down. It will automatically adjust output.
Water ingress.	• Tail cap not fully tightened. • Damaged or missing O-rings.	• Ensure tail cap is fully tightened. • Inspect O-rings, lubricate, or replace if damaged.

If the problem persists after trying these steps, please contact Mankerlight customer support or your retailer for further assistance.

9. Specifications

Detailed technical specifications for the Manker MK34 II flashlight:

Feature	Detail
Model	MK34 II (Upgrade Version)
LED Source	12 x XHP50.2
Light Output (Max)	34,000 Lumens (Turbo / Strobe)

Feature	Detail
Beam Distance (Max)	283 meters
Peak Beam Intensity	20,000 cd
Lighting Modes	Moon, Low, Medium1, Medium2, Medium3, High, Turbo, Strobe
Battery	3 x 18650 Lithium-Ion (*Not Included*)
Runtime (Moon)	68 hours
Waterproof Rating	IPX8 (2 meters submersible)
Impact Resistance	1 meter
Dimensions	109.5 x 63.36 x 46 mm (4.31 x 2.49 x 1.81 inches)
Weight	316g (without batteries)
Material	Aluminum
Reflector	3 set micro-orange peel quad-core reflectors
Lens	Toughened ultra-clear glass with anti-reflective coating

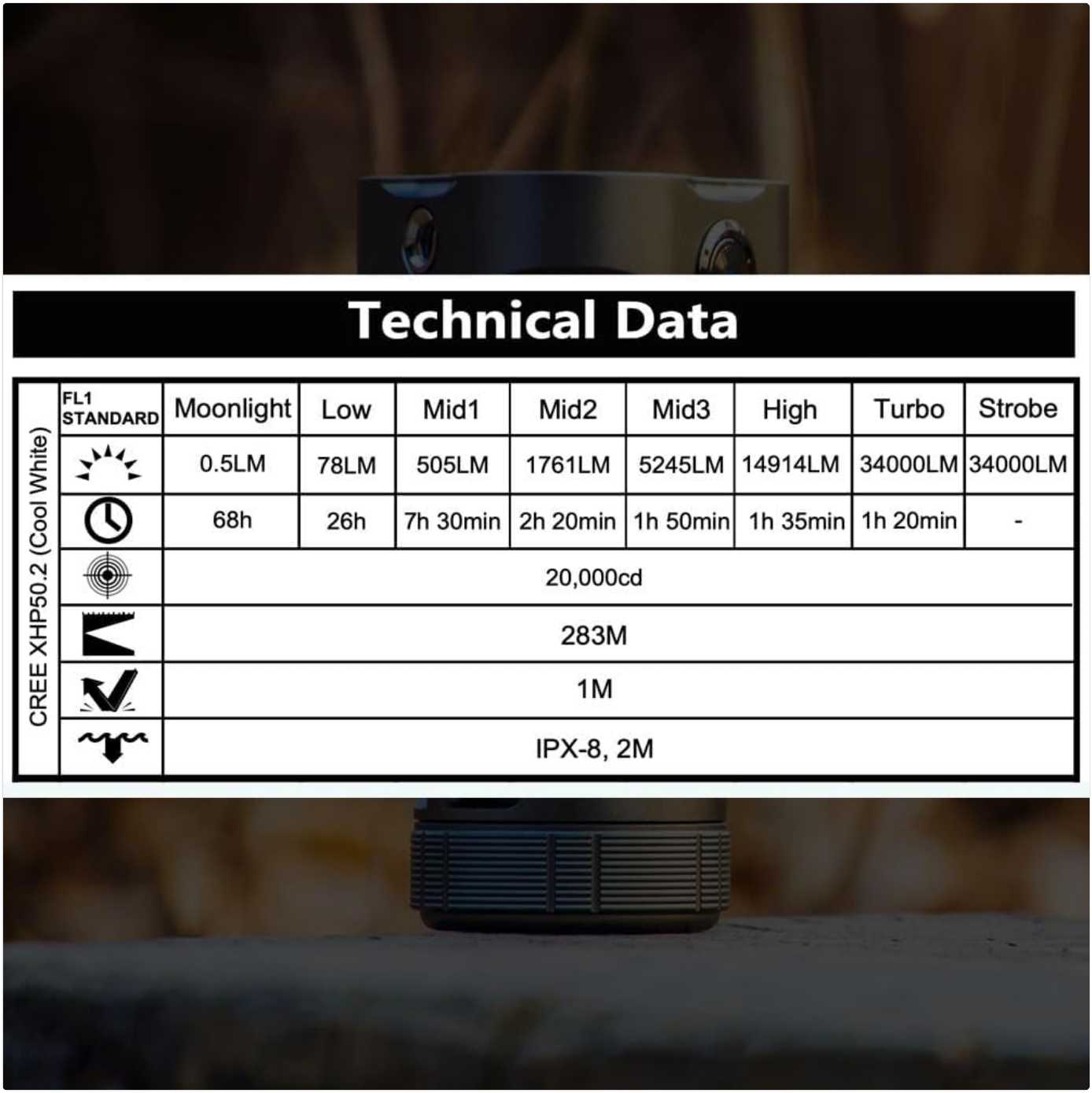


Image: A table detailing the technical specifications of the Manker MK34 II, including lumen output, runtime, beam distance, and IPX rating for various modes.

10. Warranty and Support

Mankerlight products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Mankerlight website. If you require technical support or have questions regarding your MK34 II flashlight, please contact the retailer from whom you purchased the product or Mankerlight customer service directly.

Manufacturer: Mankerlight
Item Model Number: MK34 II
ASIN: B0CK5GPY8N

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