

NEXTORCH WL14

NEXTORCH WL14 Pistol Light User Manual

MODEL: WL14

1. Product Overview

The NEXTORCH WL14 Pistol Light is a high-performance, miniature tactical weapon light designed for reliability and ease of use. It delivers up to 500 lumens of output with a beam distance of up to 115 meters, providing illumination for up to 2 hours and 30 minutes on a single charge. Weighing only 1.69 oz (48 grams) and with compact dimensions of 2.44 x 1.18 x 1.42 inches, it achieves a balance between powerful performance and a small footprint. Key features include a patented design with high and low light modes, one-handed quick release and installation, dual side switches for flexible control, and a Type-C direct charging port. The light is built with durable nylon and fiberglass materials, offering IPX7 waterproof rating and 1-meter impact resistance.



Figure 1: NEXTORCH WL14 Pistol Light



Figure 2: Overview of WL14 features including High and Low Modes, Built-in Li-Ion Battery, Type-C Direct Charge, and Quick Mounted System.

2. Safety Information

WARNING: When installing or removing the WL14, always remove the magazine and ensure the pistol is empty before proceeding.

Always handle firearms responsibly and follow all applicable safety guidelines. Ensure the weapon is unloaded and safe before attaching or detaching any accessories. Do not look directly into the light beam to avoid temporary vision impairment. Keep the device out of reach of children.

3. Setup

3.1 Charging the Device

The WL14 features a built-in rechargeable battery and a convenient Type-C direct charging port. No need to disassemble the light for charging.

1. Locate the Type-C charging port on the device.

2. Connect the provided Type-C charging cable to the light and to a compatible USB power source (not included).
3. The charging indicator will show red while charging and turn blue when fully charged.



Figure 3: Type-C Direct Charge port and indicator lights (red for charging, blue for fully charged).

3.2 Installation on Rail Systems

The WL14 is designed with an innovative one-handed quick release rail system, compatible with both standard Picatinny rails (MIL-STD-1913) and Glock rails. Ensure your firearm has a compatible rail system before installation.

1. **Safety First:** Ensure the firearm is unloaded and safe. Remove the magazine and verify the chamber is empty.
2. Loosen the Rail-Adjustment Bolt using a hexagonal wrench or screwdriver.
3. Push the Rail-Adjustment Bolt forward to loosen the Moveable Rail.
4. Position the WL14 with the reflector facing in the direction of the muzzle of the weapon. The gun light can be preliminarily fixed by pushing the moveable rail tightly with one hand.
5. Turn the Rail-Adjustment Bolt clockwise as tightly as fingers allow. Then use a screwdriver to tighten the screws securely.

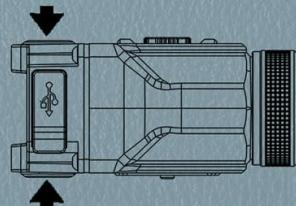
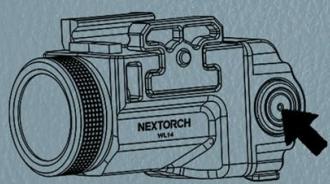
Simple Side Switchs

Both sides can operate independently, with friendly memory mode function



Left button

Right button



Turn on and off:

Click left or right button
for on/ off

Mode switching:

Press the left and right switches
at the same time to switch
between two modes, high and low

Figure 4: Diagram illustrating the installation process on a firearm rail.

Rail Compatibility:

- **Compatible:** Picatinny Rail with One-Slot (clear space > 1.37in)
- **Compatible:** Picatinny Rail with Multi-Slot (clear space > 1.37in)
- **Not Compatible:** No rail on pistol
- **Not Compatible:** Clear space less than 1.37in from the slot to the trigger guard



Picatinny Rail with One-Slot



Picatinny Rail with Multi-Slot



No rail on pistol



Clear space less than 1.37in

4. Operating Instructions

The WL14 features dual side switches for easy and flexible operation, suitable for both left and right-handed users. It also includes an intelligent memory mode function to retain your preferred setting.

4.1 Turning On and Off

- Click either the left or right button once to turn the light on or off.

4.2 Mode Switching

- To switch between the two modes (High and Low), press both the left and right switches at the same time.
- The light will remember the last used mode when turned off and on again.

Small Size, Large Energy

Ultra lightweight design, only 48 g with a max output up to 500 lumens



Figure 5: Illustration of the dual side switches for turning on/off and switching modes.

5. Maintenance

The NEXTORCH WL14 is designed for durability and minimal maintenance. Its robust construction ensures reliable performance in various conditions.

5.1 Cleaning

Wipe the light with a clean, soft cloth. Avoid using abrasive cleaners or solvents that could damage the finish or internal components.

5.2 Water and Impact Resistance

The WL14 is IPX7 waterproof, meaning it can withstand immersion in water up to 1 meter for 30 minutes. It is also 1-meter drop-proof, providing comprehensive protection against bumps and rain. While durable, avoid unnecessary exposure to extreme conditions or impacts.

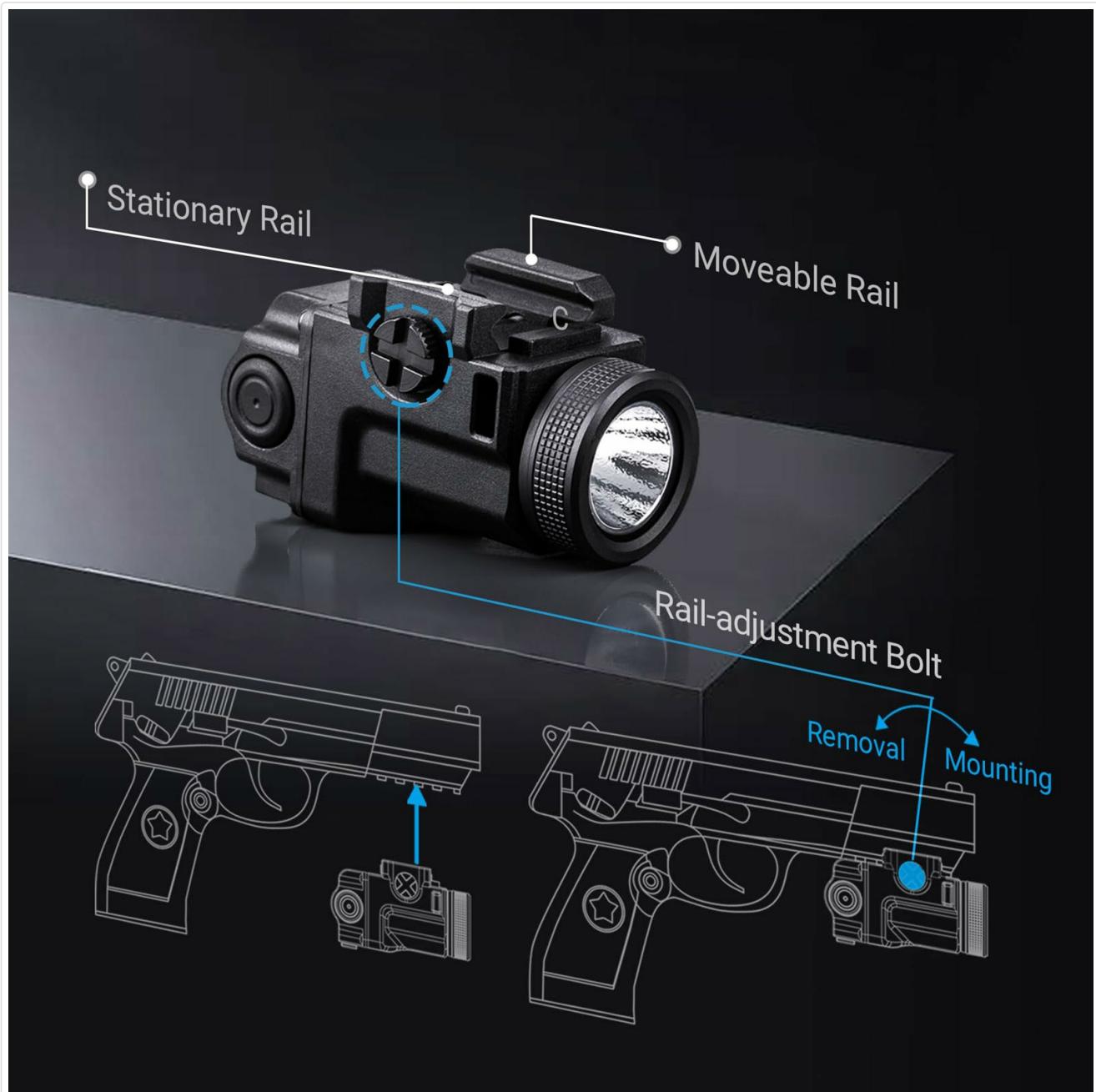


Figure 6: The WL14 demonstrating its water resistance.

6. Troubleshooting

If you encounter issues with your NEXTORCH WL14, refer to the following common problems and solutions:

- **Light not turning on:**

- Ensure the battery is charged. Connect the light to a Type-C charger and check the indicator light.
- Verify that the side switches are being pressed correctly. A firm click should activate the light.

- **Light is dim or not reaching full brightness:**

- The battery may be low. Recharge the device fully.
- Ensure the light is set to the High mode by pressing both side switches simultaneously.

- **Light feels loose on the rail:**

- Re-tighten the Rail-Adjustment Bolt using a screwdriver to ensure a secure fit.
- Confirm that the light is installed on a compatible Picatinny or Glock rail system.

- **Battery life seems shorter than expected:**

- Ensure the light is fully charged before use.
- Operating continuously on High mode will deplete the battery faster than Low mode. High mode provides approximately 1 hour 15 minutes of runtime, while Low mode offers 2 hours 30 minutes.

If problems persist, please contact NEXTORCH customer support for assistance.

7. Specifications

Feature	High Mode	Low Mode
Light Output	500 lm	52 lm
Run Time	1 h 15 min	2 h 30 min
Beam Distance	115 m	35 m
Beam Intensity	3306 cd	306 cd
Impact Resistance	1 m	
Waterproof	IPX7, 1 m	
Power	5 W	
Weight	48 g (1.69 oz)	
Dimensions	62 mm (Length) × 30 mm (Width) × 36 mm (Height)	
Light Source	LED	
Material	PA + GF (Nylon, Fiberglass)	
Battery	Built-in 250 mAh Lithium Ion Battery	

Note: Above tested specifications are strictly based on the standard of ANSI / PLATO-FL1. Specifications may differ when using a different battery or testing in a different environment.

WL14

500 Lumens Rechargeable Mini Gun Light

ANSI / PLATO-FL1	High	Low
 Light Output	500 lm	52 lm
 Run Time	1h 15 min	2 h 30 min
 Beam Distance	115 m	35 m
 Beam Intensity	3306 cd	306 cd
 Impact Resistance	1 m	
 Waterproof	IPX7, 1 m	
Power	5 W	
Weight and Dimensions	Weight: 48 g	
	Size: 62 mm (Length) × 30 mm (width) × 36 mm (height)	
Material	Light Source: LED	
	PA + GF	
Battery	Built-in 250 mAh Battery	

Above tested specifications are strictly based on the standard of ANSI / PLATO-FL1. We tested WL14 with built-in 250 mAh rechargeable battery in $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$. The specifications might be different when using a different battery or testing in a different environment.

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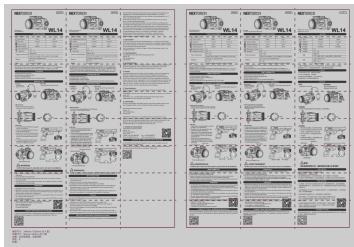
Figure 7: Detailed specifications based on ANSI / PLATO-FL1 standards.

8. Warranty and Support

NEXTORCH offers a five-year warranty on all flashlights. If you have any questions about your WL14 Pistol Light or require technical assistance, please feel free to contact our professional support team.

For additional information, you may refer to the official User Guide PDF [NEXTORCH WL14 User Guide \(PDF\)](#)

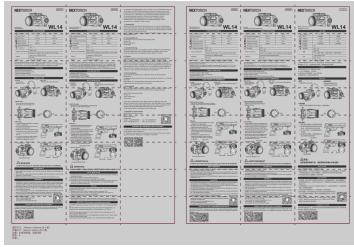
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WL14 WL14 SPECIFICATIONS ANSI / PLATO-FL1 High Low Light Output 500 lm 52 lm Run Time 1h 15 min 2 h 30 min Beam Distance 115 m 35 m Beam Intensity 3306 cd 306 cd Impact Resistance 1 m Waterproof IPX71 m Weight: 48 g Weight and Dimensions Size: 62 mm Length 30 mm width 36 m...

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