

ThruNite TC20 V2 CW

ThruNite TC20 V2 Handheld Flashlight User Manual

Model: TC20 V2 CW

Brand: ThruNite

1. INTRODUCTION

The ThruNite TC20 V2 is a high-performance handheld LED flashlight designed for various outdoor and emergency applications. It features a CREE XHP70 2nd generation LED, delivering a powerful output of up to 4068 lumens and a beam distance of up to 299 meters. This manual provides detailed instructions for the proper use, setup, and maintenance of your TC20 V2 flashlight.



Image: ThruNite TC20 V2 Flashlight with its included USB-C charging cable.

2. WHAT'S IN THE BOX

Upon opening your ThruNite TC20 V2 package, you should find the following items:

- ThruNite TC20 V2 Cool White Flashlight x1
- Holster x1
- Spare O-rings x2
- Lanyard x1
- ThruNite Battery x1 (high capacity)
- USB-C Charging Cord x1
- Spare USB Rubber Cover x1
- Spare Side Switch Cap x1



Image: All accessories included with the ThruNite TC20 V2 flashlight.

Unboxing Video

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Video: An unboxing demonstration of the ThruNite TC20 V2 flashlight, showing all included components.

3. SETUP

Before initial use, please ensure the flashlight is properly assembled and charged.

Battery Installation and Head/Tail Cap Tightening

It is crucial to screw down the light head and tail cap tightly before using or charging the flashlight to ensure proper electrical contact and water resistance.



Please SCREW DOWN the light head tightly before use.

Image: An arrow indicates the direction to screw down the light head for secure connection.

Charging the Flashlight

The TC20 V2 features a built-in USB-C 2A charging port. Connect the provided USB-C charging cord to the flashlight and a power source. During charging, the indicator light will be RED. Once fully charged, the indicator will turn BLUE. If the indicator flashes purple, it signifies abnormal charging. Only firefly, low, and medium modes are available while charging.

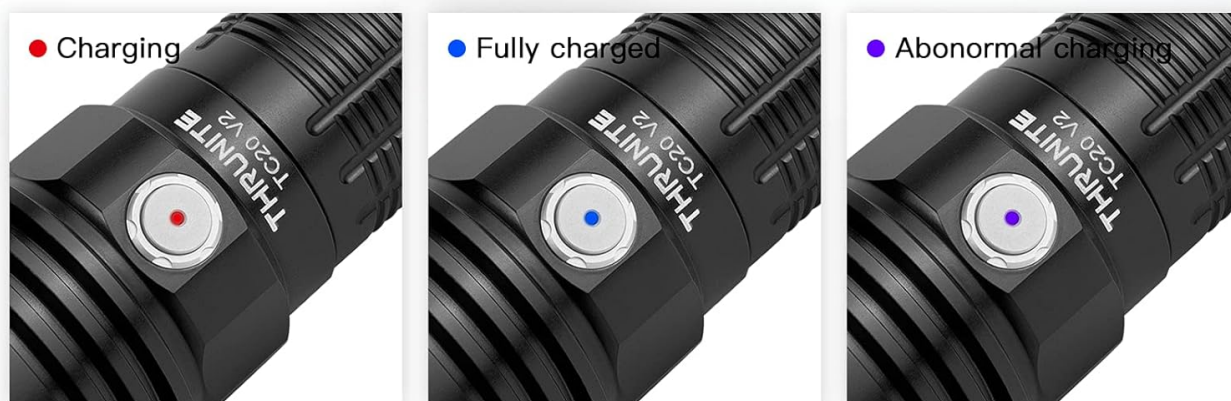


Image: The flashlight connected for charging, illustrating the different colors of the charging indicator light.

Lanyard Installation

To install the lanyard, thread the thin loop of the lanyard through the small hole on the tailcap of the flashlight. Then, pass the larger part of the lanyard through the thin loop and pull it tight to secure it.



Image: The flashlight being held, and examples of it being carried in its holster.

4. OPERATING INSTRUCTIONS

Turn ON/OFF

Press the side switch to turn the light on or off.

Change Modes

- When the light is on, long-press the side switch to cycle through low, medium, and high brightness modes.
- **Shortcut to Firefly:** When the light is off, long-press the side switch to directly access firefly mode (0.3 lumens).
- Double click to activate Turbo mode from any other mode.
- Another double click from Turbo mode will activate Strobe mode.



Image: Visual guide to the flashlight's operational modes via the side switch.

Memory Function

The flashlight will turn on in the last mode accessed, with the exception of firefly, turbo, and strobe modes. These special modes do not retain memory.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ThruNite TC20 V2 flashlight, consider the following maintenance tips:

- Regularly clean the threads and O-rings with a clean cloth.
- Lubricate the threads and O-rings with silicone grease periodically to prevent wear and maintain water resistance.
- Keep the charging port clean and free of debris.
- Store the flashlight in a cool, dry place when not in use for extended periods.

6. TROUBLESHOOTING

If you encounter issues with your ThruNite TC20 V2 flashlight, try the following common troubleshooting steps:

- **Light not turning on:** Ensure the battery is fully charged and correctly inserted with the positive (+) end facing the head of the flashlight. Confirm that the head and tail cap are screwed on tightly.
- **Intermittent light or flickering:** Check for loose connections at the head or tail cap. Clean the battery contacts and threads. Ensure the battery is not damaged.
- **Charging issues:** Verify the USB-C cable is securely connected to both the flashlight and the power source. Try a different USB-C cable or power adapter. Check the charging indicator light for status.
- **Reduced brightness or runtime:** The battery may need recharging. Extreme temperatures can affect battery performance.

If problems persist after attempting these steps, please refer to the Warranty & Support section for further assistance.

7. SPECIFICATIONS

Detailed technical specifications for the ThruNite TC20 V2 Handheld Flashlight:

Feature	Description
LED	CREE XHP 70 2nd gen. (lifespan of 20+ years)
Runs on	1 x ThruNite 26650 5000mAh battery
Reflector	Orange peel reflector
Working Voltage	2.75 - 4.2 V
Max Output	4068 lumens (Turbo)
Max Beam Distance	299 meters
Peak Beam Intensity	22400 cd
Impact Resistant	1.5 meters
Waterproof	IPX-8 Standard (2 meters submersible)
Weight	143g (without battery) / 5 ounces (approx.)
Dimensions	119mm (length) x 42mm (head diameter) x 33.5mm (tailcap diameter) / 4.69"D x 1.65"W x 1.65"H
Charging	Max 2A USB-C charging
Material	Aluminum

Output Modes & Runtime:

- **Turbo:** 4068~1722 lumens; 220 secs + 90 mins

- **High:** 1853 lumens; 122 mins
- **Medium:** 320 lumens; 9 hrs
- **Low:** 35 lumens; 77 hrs
- **Firefly:** 0.3 lumens; 71 days
- **Strobe:** 1475 lumens; 211 mins



Image: Exploded view of the flashlight showing internal components.

4068

High Lumen Tactical Flashlight

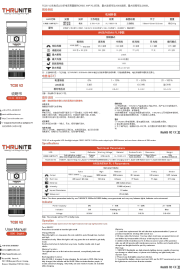


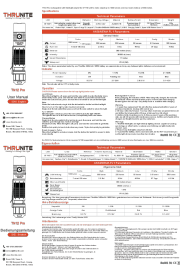


Image: Demonstration of the flashlight's powerful 4068 lumen output in a dark environment.

8. WARRANTY & SUPPORT

The ThruNite TC20 V2 Handheld Flashlight comes with a 2-year warranty. For warranty claims, technical support, or any inquiries regarding your product, please contact ThruNite customer service through their official website or the retailer where the product was purchased.

For more information, visit the [ThruNite Store](#).

	<p>ThruNite TC20 V2 Rechargeable LED Flashlight User Manual</p> <p>User manual for the ThruNite TC20 V2 rechargeable LED flashlight, detailing specifications, operation, charging, warranty, and warnings. Features CREE XHP70.2 LED with up to 4068 lumens and 299m beam distance.</p>
	<p>ThruNite TC15 V3 Rechargeable LED Flashlight User Manual and Specifications</p> <p>Comprehensive user manual and technical specifications for the ThruNite TC15 V3 rechargeable LED flashlight. Features CREE XHP35.2 LED, 2403 lumens output, 223 meters beam distance, multiple modes, and USB-C charging.</p>
	<p>ThruNite TT20 Rechargeable LED Flashlight User Manual</p> <p>User manual for the ThruNite TT20 rechargeable LED flashlight, detailing its specifications, operation, and warranty information. Features high performance LED, multiple modes, and USB-C charging.</p>
	<p>ThruNite TN12 Pro Rechargeable LED Flashlight User Manual</p> <p>User manual for the ThruNite TN12 Pro rechargeable LED flashlight, detailing specifications, operation, charging, warranty, and safety warnings. Features SFT40 LED, 1900 lumens output, and 380m beam distance.</p>