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ThruNite TC20 V3

ThruNite TC20 V3 LED Rechargeable Flashlight User Manual

Model: TC20 V3

1. INTRODUCTION

The ThruNite TC20 V3 is a high-performance LED rechargeable flashlight designed for various applications including camping, hiking, search, and emergency use. It features a powerful output of up to 4720 lumens, a long beam distance, and multiple lighting modes. This manual provides detailed instructions for the safe and efficient operation and maintenance of your flashlight.

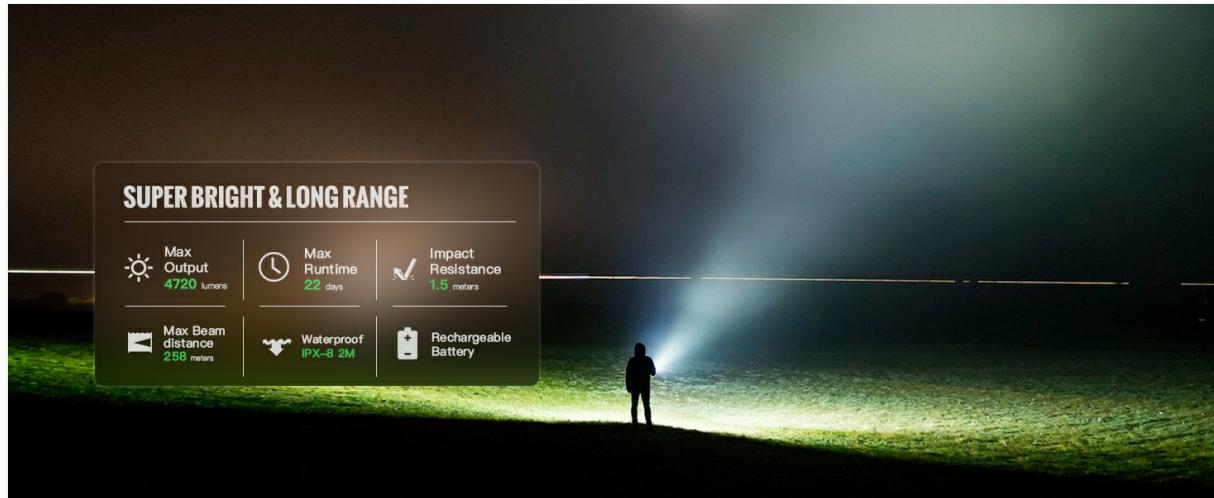


Image: The ThruNite TC20 V3 flashlight provides a super bright and long-range beam, reaching up to 258 meters with 4720 lumens, ideal for illuminating large outdoor areas.

2. PRODUCT FEATURES

- **Super Bright & Long Throw:** Equipped with 4 high-performance LEDs, delivering up to 4720 lumens and a 258-meter beam distance.
- **USB-C Fast Charging & Battery Indicator:** Integrated USB-C port for convenient charging. The power indicator displays battery status (red for charging, green for full). Includes a rechargeable battery.
- **Dial Lock Switch & Memory Function:** An innovative rotating lock prevents accidental activation.

The memory function recalls the last used brightness level (excluding Firefly/Strobe).

- Hands-Free Magnetic Tailcap:** Allows attachment to metal surfaces for hands-free operation during various tasks.
- Multiple Lighting Modes:** Six versatile modes: Firefly (1 lumen), Low, Medium, Medium-High, High, Turbo (4720 lumens), and Strobe (2400 lumens).
- Rugged & Reliable Design:** Constructed from aircraft-grade AL 6061-T6 aluminum with a premium type III hard-anodized finish. IPX-8 waterproof and 1.5m impact resistant.

3. PACKAGE CONTENTS

Please check the package for the following items:

- ThruNite TC20 V3 Flashlight
- Charging Cable (USB-C)
- Lanyard
- Belt Clip
- Rechargeable Battery (pre-installed)

4. SPECIFICATIONS

Feature	Detail
Light Source	4 High-Performance LEDs
Maximum Output	4720 Lumens
Maximum Beam Distance	258 Meters
Power Source	Rechargeable Lithium-Ion Battery (included)
Charging Port	USB-C
Material	Aircraft-grade AL 6061-T6 Aluminum
Finish	Premium Type III Hard-Anodized
Water Resistance	IPX-8 Standard (submersible up to 2 meters)
Impact Resistance	1.5 Meters
Dimensions	4.64"D x 0.86"W x 1.14"H (125mm length)
Weight	9.9 ounces (approx. 280g with battery)

5. SETUP

5.1 Initial Battery Preparation

- Your ThruNite TC20 V3 flashlight comes with a rechargeable battery pre-installed.
- Before first use, ensure the battery is fully charged. Refer to the "Charging" section for instructions.

5.2 Attaching the Belt Clip and Lanyard

- The included belt clip can be attached to the flashlight body for convenient carrying.
- Thread the lanyard through the designated hole on the tailcap for added security against drops.

6. OPERATION

6.1 Power On/Off

- **To Turn On:** Press the side switch once. The flashlight will turn on in the last memorized mode (except Firefly/Strobe).
- **To Turn Off:** Press the side switch once again.

6.2 Mode Switching

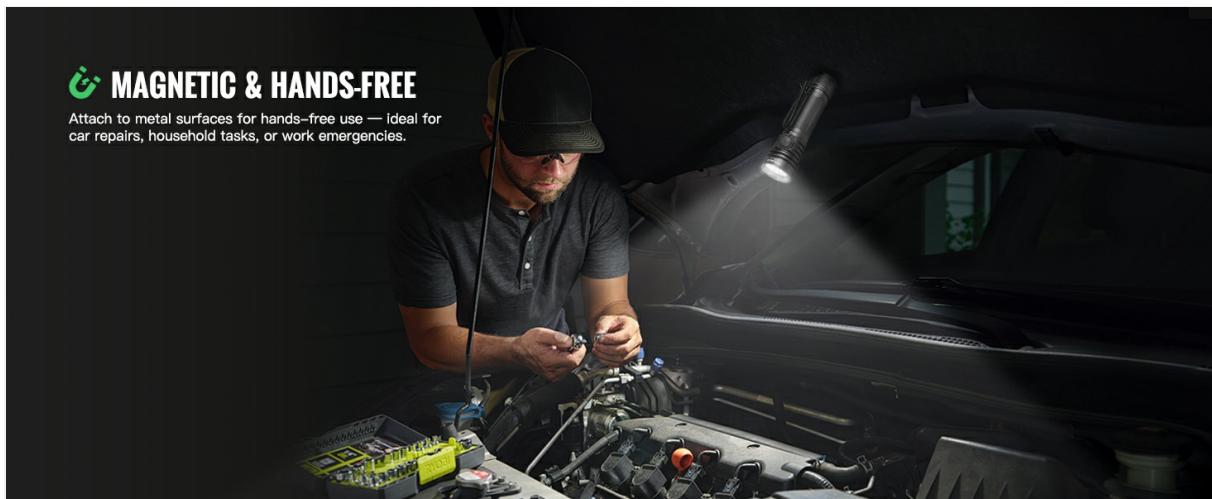


Image: The ThruNite TC20 V3 offers multiple lighting modes, from a subtle 1-lumen Firefly to an intense 4720-lumen Turbo, suitable for various situations.

- **Cycle Modes:** When the flashlight is on, press and hold the side switch to cycle through Low, Medium, Medium-High, and High modes. Release the switch to select the desired mode.
- **Firefly Mode:** When the flashlight is off, press and hold the side switch for 1 second to activate Firefly mode.
- **Turbo Mode:** Double-click the side switch quickly from any mode (on or off) to activate Turbo mode. Double-click again to return to the previous mode.
- **Strobe Mode:** Triple-click the side switch quickly from any mode (on or off) to activate Strobe mode. Double-click to return to the previous mode.

6.3 Lockout Function

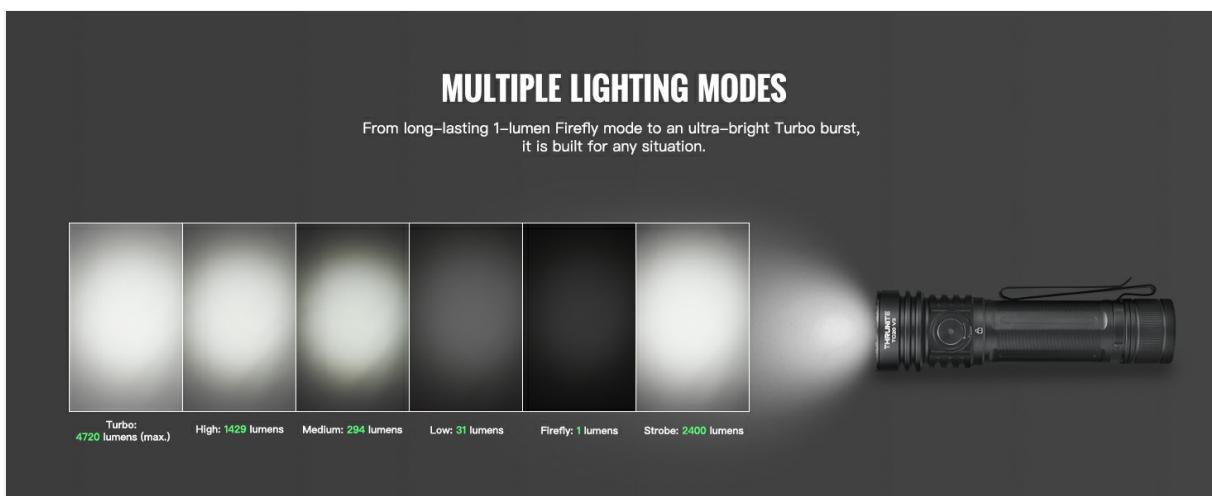


Image: The dial lock switch on the ThruNite TC20 V3 prevents accidental activation, while the integrated battery indicator provides clear status updates.

- **To Lock:** Rotate the dial lock switch clockwise until the lock icon is visible. This prevents accidental activation during transport or storage.
- **To Unlock:** Rotate the dial lock switch counter-clockwise until the unlock icon is visible. The flashlight can only be operated when unlocked.

6.4 Battery Level Indicator

- The indicator light on the side switch shows the battery status:
 - **Green:** 21% - 100% battery remaining.
 - **Red:** 11% - 20% battery remaining.
 - **Flashing Red:** 1% - 10% battery remaining (recharge immediately).

6.5 Magnetic Tailcap



Image: The magnetic tailcap allows for hands-free use, ideal for tasks like car repairs or other situations where you need both hands.

The magnetic tailcap allows you to attach the flashlight to any ferrous metal surface, providing convenient hands-free lighting for tasks such as vehicle maintenance, home repairs, or during emergencies.

7. CHARGING

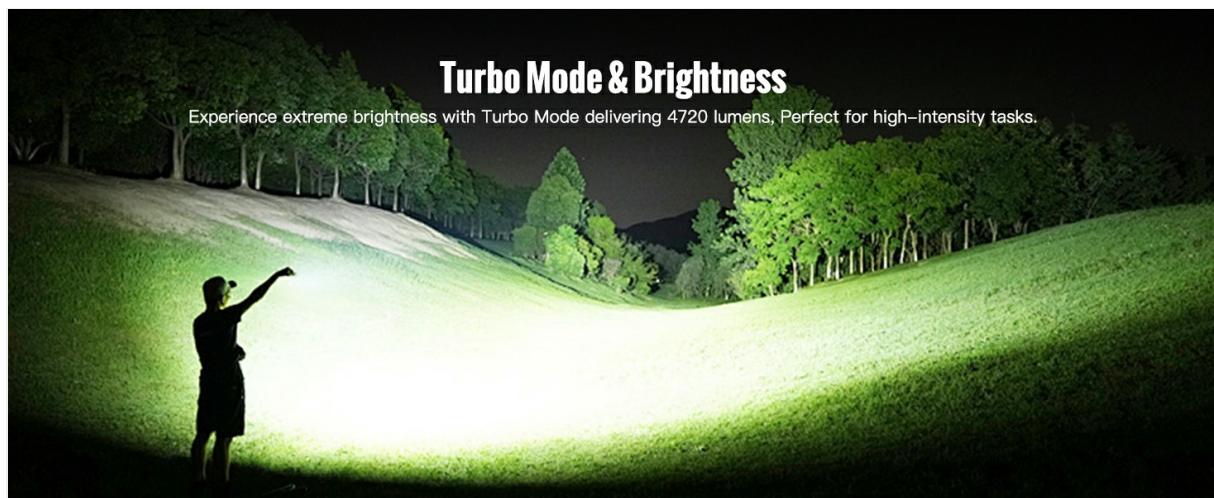


Image: The ThruNite TC20 V3 features a USB-C port for fast and convenient charging.

1. Locate the USB-C charging port on the flashlight body.

2. Open the rubber cover protecting the USB-C port.
3. Connect the included USB-C charging cable to the flashlight and plug the other end into a USB power source (e.g., wall adapter, computer, power bank).
4. The battery indicator on the side switch will glow **red** during charging.
5. Once fully charged, the indicator will turn **green**.
6. After charging, ensure the rubber cover is securely closed to maintain the flashlight's water resistance.

8. MAINTENANCE

- **Cleaning:** Clean the flashlight body with a soft, damp cloth. Do not use harsh chemicals or abrasive materials.
- **Threads and O-rings:** Periodically lubricate the threads and O-rings with silicone grease to maintain water resistance and smooth operation.
- **Battery Care:** If the flashlight will not be used for an extended period, remove the battery to prevent potential leakage. Store the battery in a cool, dry place.
- **Water Resistance:** Ensure all caps and covers (especially the USB-C port cover) are tightly sealed before exposing the flashlight to water.

9. TROUBLESHOOTING

- **Flashlight not turning on:**
 - Check if the dial lock switch is in the unlocked position.
 - Ensure the battery is properly inserted and fully charged.
 - Tighten the tailcap securely.
- **Light output is dim or flickering:**
 - The battery may be low. Recharge the flashlight.
 - Clean the battery contacts and flashlight head contacts with a cotton swab dipped in rubbing alcohol.
- **Flashlight not charging:**
 - Ensure the USB-C cable is securely connected to both the flashlight and the power source.
 - Try a different USB-C cable or power adapter.
 - Verify the power source is active.

If you encounter issues not covered here, please contact ThruNite customer support for assistance.

10. WARRANTY & SUPPORT

The ThruNite TC20 V3 LED Rechargeable Flashlight comes with a limited warranty. Please refer to the warranty information provided with your purchase or visit the official ThruNite website for details on warranty terms and conditions.

For technical support, product inquiries, or warranty claims, please contact ThruNite customer service through their official channels.

