

Nilight TR-04

Nilight TR-04 Truck Tailgate Bar User Manual

Model: TR-04 | Brand: Nilight

1. PRODUCT OVERVIEW

The Nilight TR-04 60-inch Triple Row LED Tailgate Bar is designed to enhance vehicle visibility and safety with its multi-functional lighting capabilities. Featuring 504 high-brightness LEDs, it provides dark red running lights, bright red brake lights, white reverse lights, sequential amber turning signals, and sequential strobe lights. Its durable, silicon-sealed construction ensures reliable performance in various weather conditions.



Image: Nilight TR-04 60-inch Triple Row LED Tailgate Bar with its 4-pin connector and wiring.

2. SPECIFICATIONS

Feature	Detail
LED Quantity	504 PCS (Triple Row)
Light Color	Red/White/Amber
Working Voltage	12V DC
Waterproof Rate	IP67
Connector Type	Standard Flat 4-pin Trailer Light Connector
Material	LED Chip + Silicone
Working Lifespan	Over 30,000 hours

3. WHAT'S INCLUDED

- 1x 60" Triple Row Tailgate Light Bar
- 1x Additional Mounting Hardware (clips and screws)
- 1x User Manual (PDF link available in Warranty & Support section)



Image: The tailgate light bar, mounting clips, screws, and zip ties included in the package.

4. SETUP (INSTALLATION)

4.1. Preparation

1. Ensure your vehicle's working voltage is 12V DC.

2. Clean the mounting surface (e.g., tailgate area) thoroughly with alcohol and allow it to dry completely. This ensures optimal adhesion.

4.2. Mounting the Light Bar

The Nilight TR-04 features a strong adhesive backing for easy installation without drilling. For added security, use the provided mounting hardware.

1. Carefully peel off the protective film from the adhesive strip on the back of the light bar.
2. Position the light bar firmly onto the cleaned surface. Apply pressure along the entire length to ensure good contact.
3. For enhanced hold, use the included mounting clips and screws. Secure the clips at appropriate intervals along the light bar.

EASY INSTALL NO DRILLING

Come with tough-as-nails adhesive enhancer that is 5x strength Trust C-BRIGHT, it is not going anywhere

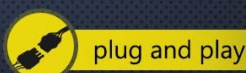


Image: Illustration of the peel-and-stick installation method for the tailgate light bar.

4.3. Wiring Connection

The light bar comes with a standard 4-pin flat trailer light connector for plug-and-play installation. An additional wire is provided for the reverse light function.

1. Connect the 4-pin flat connector from the light bar to your vehicle's existing trailer wiring harness.

2. Identify the reverse light wire on your vehicle (typically a white wire) and connect the additional white wire from the light bar to it.
3. Before permanently securing all wiring, test all light functions to ensure correct operation and mounting direction.

6 POWERFUL FUNCTIONS



- A** Ground
- B** Running
- C** Left Turn/Brake

- D** Right Turn/Brake
- E** Reverse

Image: Detailed wiring diagram showing the connections for ground, running, turn, brake, and reverse lights.

5. OPERATING INSTRUCTIONS

5.1. Light Functions

The Nilight TR-04 tailgate bar offers six distinct lighting functions, synchronizing with your vehicle's signals:

- **Dark Red Running Light:** Illuminates when headlights are on.
- **Bright Red Brake Light:** Activates when the brake pedal is pressed.
- **White Reverse Light:** Turns on when the vehicle is in reverse.

- **Sequential Amber Turn Signals:** Amber LEDs illuminate sequentially in the direction of the turn.
- **Sequential Strobe Light:** Amber LEDs flash sequentially for hazard warning.

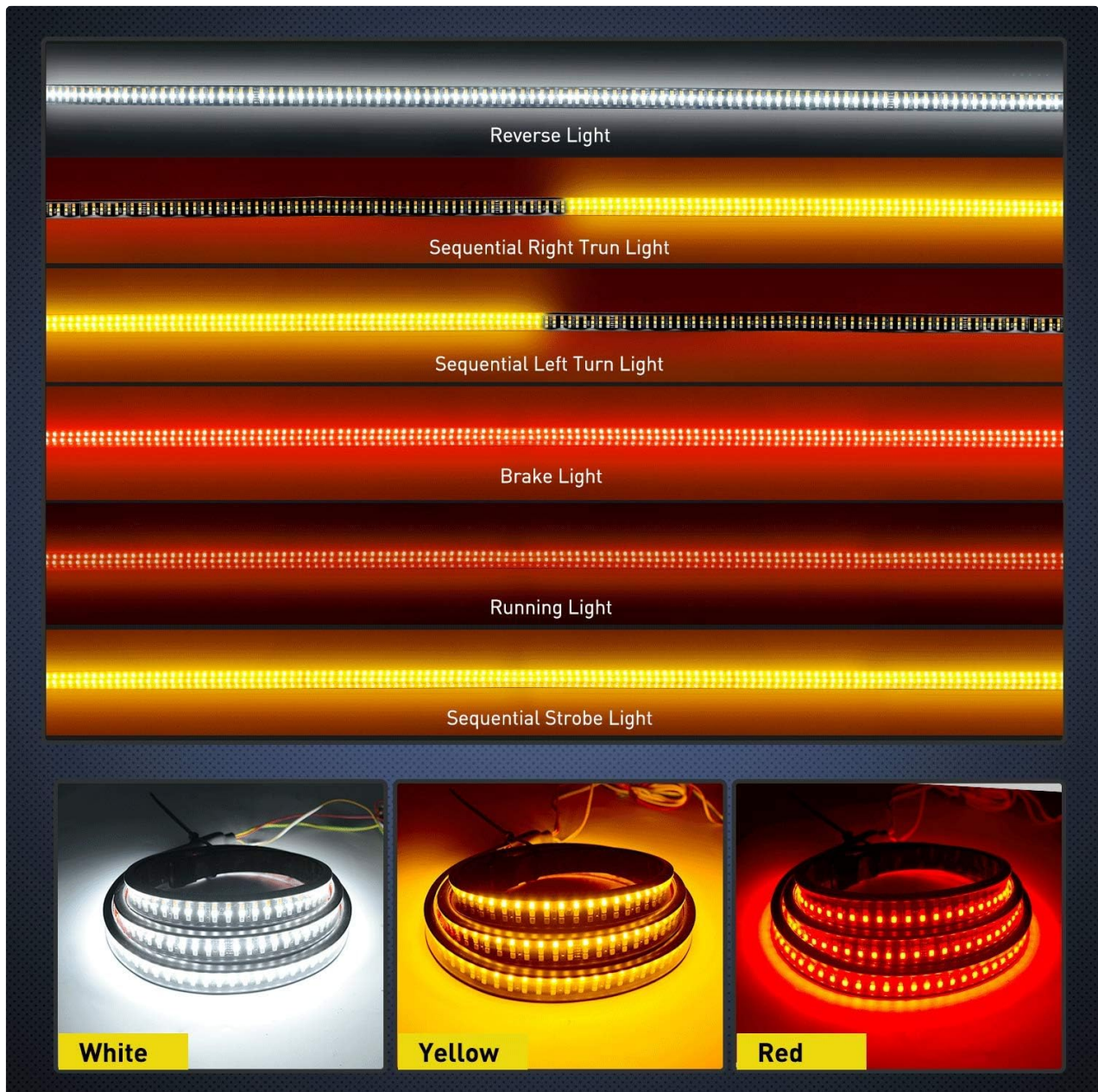


Image: Visual representation of the tailgate bar's various light functions, including reverse, turn signals, brake, running, and strobe lights.



SUPERIOR LIGHTING!

Wake up everyone behind you with REDLINE's **504 LEDs**, the brightest and most durable ones around. Guarantee your rig is seen even in thickest traffic, day or night.



Image: The tailgate light bar installed on a truck, demonstrating its bright and clear illumination for enhanced visibility.

5.2. Product Demonstration Video

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Video: An official demonstration of the Nilight 60-inch Triple Row Tailgate Light Strip, showcasing its various lighting modes and brightness.

6. MAINTENANCE

6.1. General Care

The Nilight TR-04 tailgate bar is designed for durability and a long lifespan of over 30,000 hours, thanks to its fully silicon-sealed and flexible construction. Minimal maintenance is required.

- Periodically inspect the light bar and its wiring for any signs of damage or loose connections.

- Clean the surface of the light bar with a soft, damp cloth to remove dirt and debris. Avoid using harsh chemicals or abrasive cleaners.
- Ensure the adhesive and mounting clips remain secure, especially after exposure to extreme weather conditions.



Image: The tailgate light bar installed on a truck in a snowy environment, highlighting its cold-weather capability.



COLD-WEATHER CAPABLE

Silicone housing, the durable tailgate light work perfect whatever in rainy or snowy environments. Epoxy process designed moisture, in-line fuse short circuit protection.



Image: Close-up view emphasizing the IP67 waterproof rating of the silicon-sealed light bar.

7. TROUBLESHOOTING

7.1. Common Issues

- **Lights not functioning or partially lit:**
 - Check all wiring connections, especially the 4-pin connector and the reverse light wire, to ensure they are secure and properly seated.
 - Verify that your vehicle's 12V DC power supply is active.
 - Inspect the light bar for any visible damage or cuts in the silicone housing.
- **Incorrect signal behavior (e.g., turn signals not sequential, random flashing):**
 - Ensure the light bar is connected to the correct vehicle wires for each function (running, brake, turn, reverse).

- Some vehicles may require an LED-compatible flasher relay to prevent hyper-flashing or incorrect sequential behavior. Consult a professional if issues persist.
- **Brake light delay:**
 - This can sometimes occur due to vehicle-specific wiring or relays. If the delay is significant and affects safety, consult a qualified automotive electrician.
- **Light bar falling off:**
 - Ensure the mounting surface was thoroughly cleaned and dry before installation.
 - Re-apply pressure to the adhesive strip.
 - Utilize the included mounting clips and screws for a more secure attachment.

If you encounter persistent issues not covered here, please refer to the support information in the next section.

8. WARRANTY AND SUPPORT

The Nilight TR-04 Truck Tailgate Bar comes with a **2-Year Warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

For detailed instructions, additional support, or warranty inquiries, please refer to the official user manual or contact Nilight customer service.

Official User Manual (PDF): [Download Here](#)

For further assistance, visit the [Nilight Store on Amazon](#).

9. SAFETY INFORMATION

- Always ensure the vehicle's power is off before attempting installation or maintenance.
- If you are unsure about the installation process, seek professional assistance from a qualified automotive technician.
- Do not modify the light bar or its wiring, as this may void the warranty and could lead to electrical hazards.
- Ensure the light bar is securely mounted and does not obstruct any existing vehicle lights or license plates.
- Adhere to all local and national regulations regarding vehicle lighting.