

Nilight NA925

Nilight Third Brake Light User Manual

Brand: Nilight

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Nilight Third Brake Light. This product is designed to enhance vehicle safety and visibility with its integrated brake, cargo, and reverse light functions.

1.1 Compatibility

This third brake light is compatible with the following vehicle models:

- Ford F150 (Excludes Raptor Models): 2015, 2016, 2017, 2018, 2019, 2020
- Ford Super Duty F250 F350: 2017 and later years
- Ford Ranger: 2019 and later years
- Ford Maverick: 2022 and later years

Important Warning:

This product will **NOT** fit models with a rearview camera built into the 3rd brake light, nor will it replace OEM LED third brake lights such as those found on the Raptor or F250 PLATINUM/LIMITED models.

OEM Part Numbers for reference: FL34-13A613-AM, FL34-13A613-AK, FL3Z13A613A, FL3Z13A613B, FL3Z13A613C.



Image: The Nilight Third Brake Light with clear lens, shown installed on the rear of a Ford F150 pickup truck, demonstrating its appearance and position.

PRODUCT SIZE

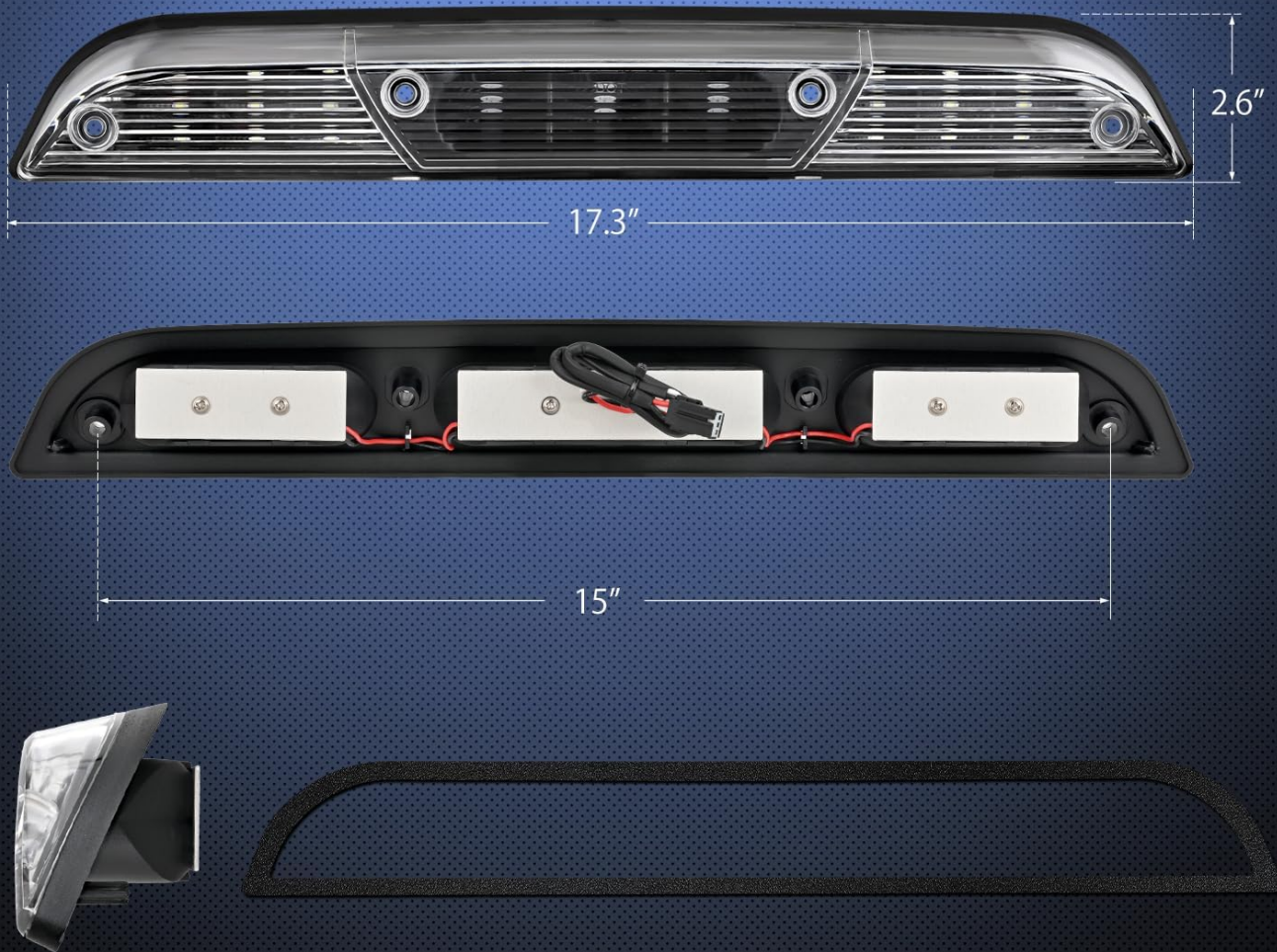


Image: Diagram illustrating the product dimensions of the Nilight Third Brake Light, showing a length of 17.3 inches and a height of 2.6 inches, along with the internal structure and foam pad.

2. PRODUCT FEATURES

- **Premium Quality Construction:** Manufactured with high-grade OE materials, meeting strict OEM requirements for durability and performance. Features a full LED light source with 15 built-in LEDs (3 for brake, 12 for cargo light).
- **Enhanced Brightness:** Super bright LEDs provide quick illumination, shining up to ten times brighter than OEM halogen lights. This ensures faster light-up times to help prevent rear-end accidents.
- **IP67 Waterproof Rating:** Designed with a high-density foam mounted back, ensuring a perfect seal to prevent water, snow, or heavy rain from leaking in. This guarantees reliable operation in all weather conditions.
- **Long-lasting Performance:** The LED design contributes to high efficiency and a significantly longer lifespan compared to traditional halogen bulbs.

PRODUCT DETAILS

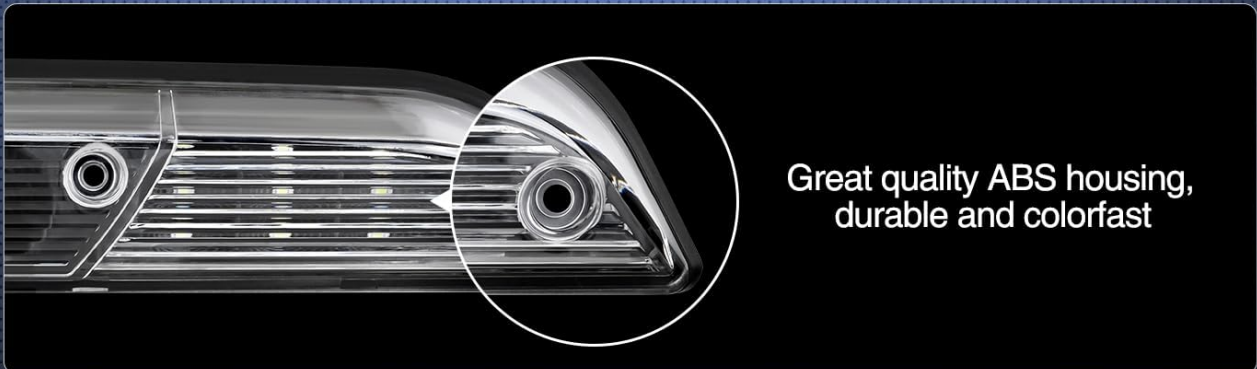


Image: Detailed view of the product's features, highlighting the double row 15 LED chips for brightness, the great quality ABS housing for durability, and the 6mm foam padding for effective waterproofing.

3. SPECIFICATIONS

Attribute	Value
Brand	Nilight
Model Number	NA925
Color	Clear Lens
Specific Uses For Product	Third Brake Lights
Vehicle Service Type	Truck

Special Features	Dustproof, High Beam, Lightweight, Shockproof, Waterproof
Auto Part Position	Rear Center, Rear Upper
Lens Material	Plastic
Item Weight	12.3 ounces
Package Dimensions	18.46 x 2.83 x 2.32 inches
Assembly Required	No
Automotive Fit Type	Vehicle Specific Fit
UPC	840323940429

4. SETUP AND INSTALLATION

The Nilight Third Brake Light is designed for a plug-and-play installation, requiring no drilling. Follow these steps for a smooth replacement:

1. **Remove the Old Light:** Loosen the factory screws holding the existing halogen third brake light in place.
2. **Disconnect Wiring:** Carefully pull out the factory plug connected to the old light.
3. **Install New Light:** Plug in the new Nilight LED third brake light. Ensure the connection is secure. (Note: Some models may have a small switch on the new light for choosing normal braking or flashing braking. Adjust as desired before final installation).
4. **Secure New Light:** Use the factory screws to tighten and secure the new light.

Important Note:

It is highly recommended to use the original factory screws for a perfect fit. Use a hand screwdriver tool for installation. Electronic tools can often overtighten screws, which may cause the light casing to crack easily.

EASY INSTALLATION



1 Remove the halogen light by loosening the factory screws



2 Pull out the factory plug



3 Plug in the new third brake light(the little switch is for choosing normal braking or flashing braking)



4 Tighten the new light with the factory screws

Image: A four-step visual guide demonstrating the easy installation process: 1. Removing the old light, 2. Pulling out the factory plug, 3. Plugging in the new light, and 4. Tightening the new light with factory screws.



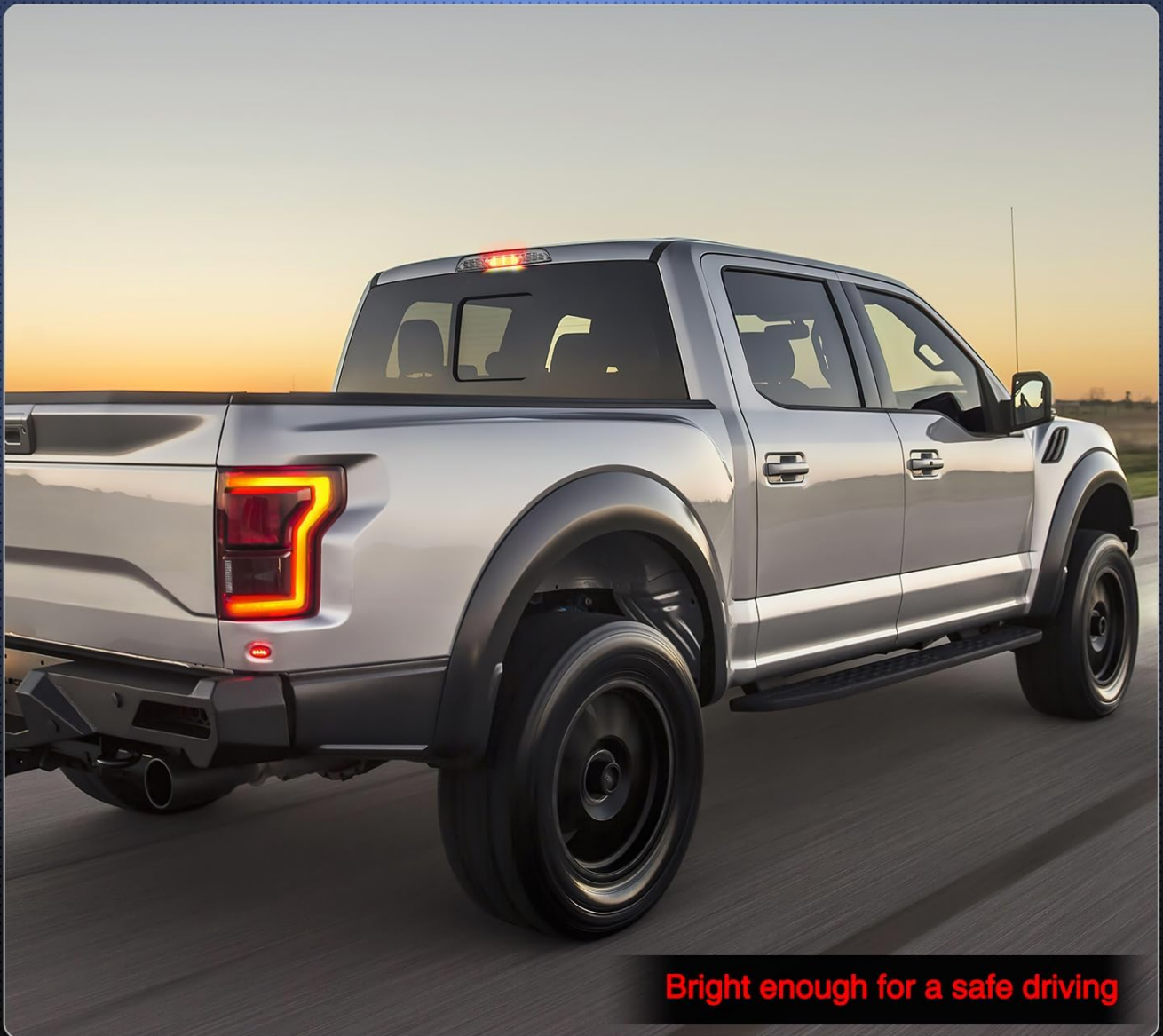
Image: A close-up view of the electrical connector, illustrating the plug-and-play design for easy wiring connection.

5. OPERATING INSTRUCTIONS

The Nilight Third Brake Light functions automatically with your vehicle's electrical system. It integrates three primary lighting functions:

- **Brake Light:** The 3 red LEDs illuminate brightly when the brake pedal is pressed, providing a clear signal to following vehicles.
- **Cargo Light:** The 12 white LEDs provide illumination for the truck bed, useful for loading, unloading, or working in low-light conditions. This function is typically activated via an interior switch in your vehicle.
- **Reverse Light:** The white LEDs also function as reverse lights, illuminating when the vehicle is shifted into reverse, aiding visibility during backing maneuvers.

BRAKE LIGHT



Bright enough for a safe driving

Image: A truck with the Nilight Third Brake Light illuminated in red, demonstrating its function as a bright and visible brake light for safe driving.

CARGO LIGHT



Safer unloading at night

Image: A truck with the Nilight Third Brake Light's white cargo lights illuminated, providing ample light for a person working in the truck bed at night, ensuring safer unloading.

6. MAINTENANCE

The Nilight Third Brake Light is designed for minimal maintenance due to its durable construction and LED technology. To ensure optimal performance and longevity:

- **Regular Cleaning:** Periodically clean the lens with a soft cloth and mild soap solution to remove dirt and debris that may obstruct light output. Avoid abrasive cleaners.
- **Inspect Seal:** Although the unit is IP67 waterproof, it is good practice to occasionally inspect the foam seal around the light for any signs of damage or wear, especially after extreme weather conditions.
- **Check Connections:** Ensure the electrical connection remains secure and free from corrosion.

The LED light source is designed for a long lifespan and does not require bulb replacement.



Comes with a perfect fit foam pad, which can effectively prevent the infiltration of water.

IP67 WATERPROOF

Image: The Nilight Third Brake Light covered in water droplets, visually confirming its IP67 waterproof rating and ability to withstand rain and moisture.

7. TROUBLESHOOTING

If you encounter issues with your Nilight Third Brake Light, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not illuminate	Loose electrical connection; Blown fuse; Incorrect installation.	Check that the plug is securely connected. Inspect your vehicle's fuse box for a blown fuse related to the brake/cargo lights and replace if necessary. Re-verify installation steps.
Water inside the lens	Improperly seated foam pad; Damaged seal.	Ensure the high-density foam pad is correctly positioned and sealed around the light during installation. If the seal is damaged, contact Nilight support for assistance.

Light flickers or is dim	Poor electrical connection; Voltage issue.	Check all wiring connections for tightness and corrosion. Ensure your vehicle's electrical system is providing stable voltage.
Product does not fit vehicle	Incorrect vehicle model/year; Vehicle has OEM LED 3rd brake light or rearview camera.	Refer to the "Compatibility" section (1.1) to ensure your vehicle matches the supported models. This product is not compatible with models that have a built-in rearview camera or OEM LED third brake lights.

If the problem persists after attempting these solutions, please contact Nilight customer support for further assistance.

8. WHAT'S IN THE BOX

Your Nilight Third Brake Light package includes the following components:

- 1x LED Third Brake Light Assembly
- 1x High-density Foam Pad

9. WARRANTY AND SUPPORT

Nilight is committed to providing innovative, cost-effective, and quality products. For any warranty claims, technical support, or inquiries regarding your Nilight Third Brake Light, please refer to the contact information provided with your purchase or visit the official Nilight website.

Constant improvement and innovation is our eternal aim. We hope you have a satisfying purchase experience.

Visit the [Nilight Store](#) for more information and products.