

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Nilight](#) /
- › [Nilight JK-222A LED Tail Lights for 2007-2018 Jeep Wrangler JK/JKU Installation and Operation Manual](#)

Nilight JK-222A

Nilight JK-222A LED Tail Lights User Manual

For 2007-2018 Jeep Wrangler JK and JKU Models

1. PRODUCT OVERVIEW

The Nilight JK-222A LED Tail Lights are designed as a direct replacement for 2007-2018 Jeep Wrangler JK and JKU models. These DOT-approved lights feature a smoked lens and provide multiple lighting functions for enhanced visibility and safety.

Key Features:

- **Quality LED Illumination:** Each light contains 85 pieces of 2835 red LEDs for running, brake, and turn signals, and 3 pieces of 3030 white LEDs for reverse lighting.
- **Multi-Functionality:** Provides low brightness red running light, high brightness red brake and turn signals, white reverse lights, and red side marker lights.
- **Durable Construction:** Features a smoked PMMA lens and robust ABS housing, designed to be impact-resistant and long-lasting.
- **Weatherproof Design:** The lights are sealed and waterproof, ensuring reliable performance in various weather conditions.
- **Plug and Play Installation:** Engineered for quick and straightforward installation without complex wiring modifications.



2. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present and undamaged:

- 2 x Nilight JK-222A LED Tail Lights (Left and Right)
- Brackets and accessories for resistor installation



Image 2.1: Package contents showing two tail lights and installation hardware.

3. INSTALLATION INSTRUCTIONS

Follow these steps for a quick and easy installation. No additional wiring is required; this is a plug-and-play system.

1. Step 1: Remove Old Tail Light

Use a screwdriver to loosen the four screws securing the existing tail light assembly on your Jeep Wrangler.

2. Step 2: Disconnect Old Tail Light

Carefully remove the old tail light assembly from the vehicle. Disconnect the electrical plug from the old light.

3. Step 3: Connect New Tail Light and Resistor

Insert the new Nilight JK-222A LED Tail Light's electrical plug into the vehicle's harness. Secure the included resistor in a suitable position using the provided hardware and brackets. Ensure the resistor is not placed near plastic or wires, as it can get hot during operation and may cause damage.

4. Step 4: Secure New Tail Light

Align the new tail light assembly and tighten the screws to secure it firmly in place. Test all light functions (running, brake, turn signal, reverse) to ensure proper operation.

INSTALLATION STEPS



Step 1: Use a screwdriver to loosen the four screws of the old tail light.

Step 2: Remove the light and disconnect the plug.

Step 3: Connect the new JK tail light plug. Fix the resistor in a suitable position using hardware and brackets.

Step 4: Fix the new light in place with screws.

Note: The resistor will get hot during use. It is not recommended to install resistors near plastic and wires. Because the high temperature of the resistor may damage the plastic and the outer skin of the wire.

Image 3.1: Visual guide for the 4-step installation process.

PLUG AND PLAY

Come with the female connector, matched with the male tail light of the vehicle, simply plug and play to make the tail light work.

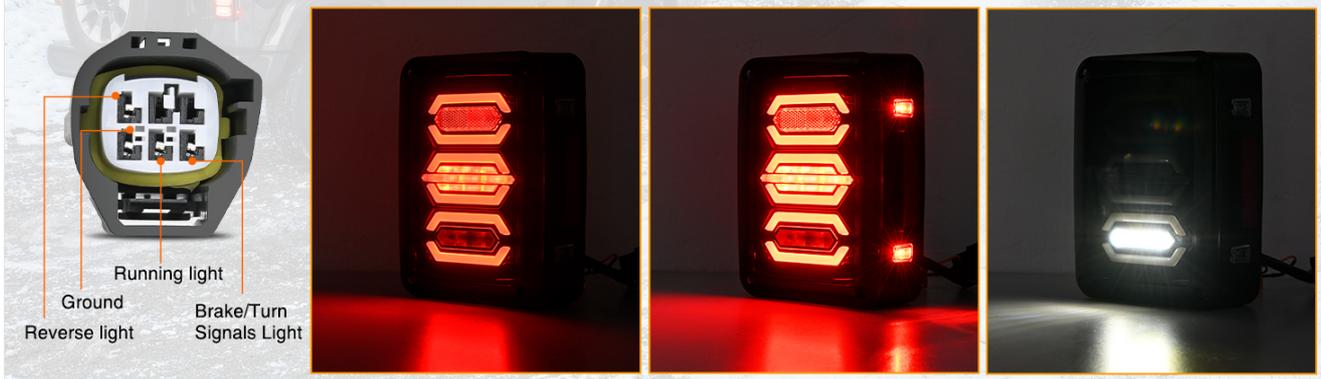


Image 3.2: Plug and Play connection detail.

4. OPERATING INSTRUCTIONS

The Nilight JK-222A LED Tail Lights operate automatically with your vehicle's existing lighting controls. No special operating procedures are required beyond standard vehicle operation.

Light Modes:

- **Running Light:** Low brightness red light, active when headlights are on.
- **Brake Light:** High brightness red light, active when the brake pedal is pressed.
- **Turn Signal Light:** High brightness red light, flashes when turn signal is activated.
- **Reverse Light:** 6500K white light, active when the vehicle is in reverse gear.
- **Side Marker Light:** Red light on the side of the assembly for additional visibility.

FULL MODES FOR DRIVING

It contains 85pcs quality 2835 red LEDs and 3pcs 3030 white LEDs, output super bright red light and 6500K cool white light. The lighting brightness can clearly be seen during day and night.



Image 4.1: Demonstration of various light modes.

5. MAINTENANCE

These LED tail lights are designed for minimal maintenance. To ensure longevity and optimal performance:

- Regularly clean the lens with a soft cloth and mild soap solution to remove dirt and debris. Avoid abrasive cleaners.
- Inspect the wiring and connections periodically for any signs of wear or damage.
- The sealed design prevents moisture ingress, but ensure the housing remains intact.

WORK PERFECTLY IN ANY WEATHER

The interior of the light has been sealed with waterproof measures to prevent moisture from entering the light. The tail light can be used in any weather and environment, with a lifespan of up to 50,000 hours.



Image 5.1: Tail lights operating effectively in various weather conditions.

6. TROUBLESHOOTING

If you encounter issues with your Nilight JK-222A LED Tail Lights, consider the following common solutions:

- **Lights Not Functioning:** Check the electrical connection to ensure it is securely plugged in. Verify that the vehicle's fuses related to tail lights are intact.
- **Flickering or Dim Lights:** This could indicate a loose connection or an issue with the resistor. Re-check connections and ensure the resistor is properly installed.
- **Hyper Flashing (Rapid Turn Signals):** While the product is designed to be plug-and-play, some vehicle's electrical systems may require additional load resistors to prevent hyper-flashing with LED turn signals. Ensure the provided resistors are correctly installed.
- **Moisture Inside Lens:** Although sealed, extreme temperature changes can sometimes cause temporary condensation. If persistent moisture is observed, inspect the housing for cracks or damage.

If problems persist after attempting these steps, please contact Nilight customer support.

7. SPECIFICATIONS

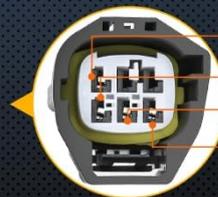
Brand	Nilight
Model Number	JK-222A
Compatible Vehicles	2007-2018 Jeep Wrangler JK JKU (US Version)
Light Source Type	LED (85x Red 2835, 3x White 3030)
Lens Color	Smoke
Lens Material	PMMA Acrylic
Housing Material	ABS Plastic
Voltage	12 Volts (DC)
Special Features	DOT Approved, Dustproof, Shockproof, Waterproof
Item Weight	4.24 pounds (per pair)
Package Dimensions	9.92 x 9.45 x 7.28 inches

EXCELLENT MATERIAL & DESIGN

- 1 85pcs 2835 red LEDs
- 2 Quality PMMA Smoked Lens
- 3 3pcs 3030 white LEDs
- 4 Side Marker Light



- 5 Clear LH/RH Logo
- 6 Durable ABS Housing
- 7 Plug and Play Connector
- 8 Equipped with Resistors



- Reverse light
- Ground
- Running light
- Brake/Turn Signals Light

Image 7.1: Material and design overview.



Image 7.2: Visual comparison of tail light appearance.

8. WARRANTY AND SUPPORT

Nilight products are designed for quality and durability. For specific warranty information, please refer to the product packaging or the official Nilight website. If you require technical assistance, have questions about installation, or need to report a defect, please contact Nilight customer support through their official channels.

You can often find support contact information on the manufacturer's website or through the retailer where the product was purchased.