Alla Lighting Alla-2835-8WY_4257-WhiteYellow

Alla Lighting 4257/4257NA LED Switchback Bulbs User Manual

Model: Alla-2835-8WY_4257-WhiteYellow

1. PRODUCT OVERVIEW

The Alla Lighting 4257/4257NA LED Switchback Bulbs are designed to upgrade your vehicle's front turn signal lights, offering dual-color functionality. These bulbs provide a bright 6000K white light for daytime running lights (DRL) or parking lights and switch to a vibrant amber yellow for turn signals. Engineered with high illumination 2835-SMD LED chips and a projector lens, they ensure enhanced visibility and a modern aesthetic.

Image 1.1: Alla Lighting 4257/4257NA LED Switchback Bulbs, showing the product and its packaging, highlighting the 1-year warranty.

Image 1.2: Key features of the 2835 8-SMD LED bulbs, including high illumination, high performance, and high quality for instant start and easy replacement.

2. How the Bulbs Work

These switchback LED bulbs operate with dual functionality:

- **DRL/Parking Light Mode:** When the vehicle lights are on, the bulbs illuminate with a bright 6000K white light, serving as daytime running lights or parking lights.
- **Turn Signal Mode:** When the turn signal is activated, the white light will turn off, and the bulb will flash amber-off-amber-off continuously, providing a clear and noticeable signal. Once the turn signal is disengaged, the white light will resume.
- **Vehicle Lights Off:** When vehicle lights are off, the bulb functions as a regular amber turn signal bulb, blinking amber-off-amber-off when activated.
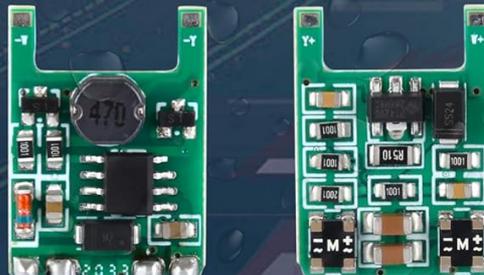
How the bulb work?

When the vehicle light is on at night, this switchback LED will light on white as parking light; when the turn signal is ativated, the white light will turn off and only the yellow light blinks in this way: amber on-amber off-amber on-amber off..., continuously, until the turn signal is off; and the white light turn on again.

When the vehicle lights are off, it is like a regular amber turn signal bulb when the turn signal is activated. This time it blinks amber on – amber off – amber on – amber off.

Very Reliable Driver

1) CK compatible
2) white light is 1 second delay
3) The most reliable switchback LED on the market

Image 2.1: Visual explanation of the switchback functionality, showing how the bulb transitions between white (DRL/parking) and amber (turn signal) modes, and highlighting the reliable driver.

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Video 2.1: Demonstration of the Alla Lighting 4257/4257NA LED Switchback Bulb in action, showcasing its dual white (DRL) and amber (turn signal) color functionality in a vehicle.

3. INSTALLATION

These bulbs are designed for easy plug-and-play installation, compatible with both CK/SRCK and standard sockets. No need to worry about the socket type.

3.1 General Installation Steps:

1. **Access the Bulb:** Locate the turn signal bulb housing in your vehicle's headlight assembly. This may require opening the hood or accessing from the wheel well, depending on your vehicle model.

2. **Unlock and Remove Old Bulb:** Turn the bulb socket counter-clockwise to unlock it from the housing. Carefully pull out the old incandescent bulb from the socket.

3. **Insert New LED Bulb:** Insert the Alla Lighting LED switchback bulb into the socket. Ensure it is seated firmly.

4. **Lock the Bulb:** Reinsert the socket with the new LED bulb into the housing and turn clockwise to lock it securely in place.

5. **Test Functionality:** Before fully reassembling, test the DRL/parking light and turn signal functions to ensure proper operation.

The bulbs feature flat wiring pins for better connection and heat dissipation, contributing to a longer lifespan.

Image 3.1: Detail of the bulb's flat wiring pins, designed for improved connection and heat dissipation.
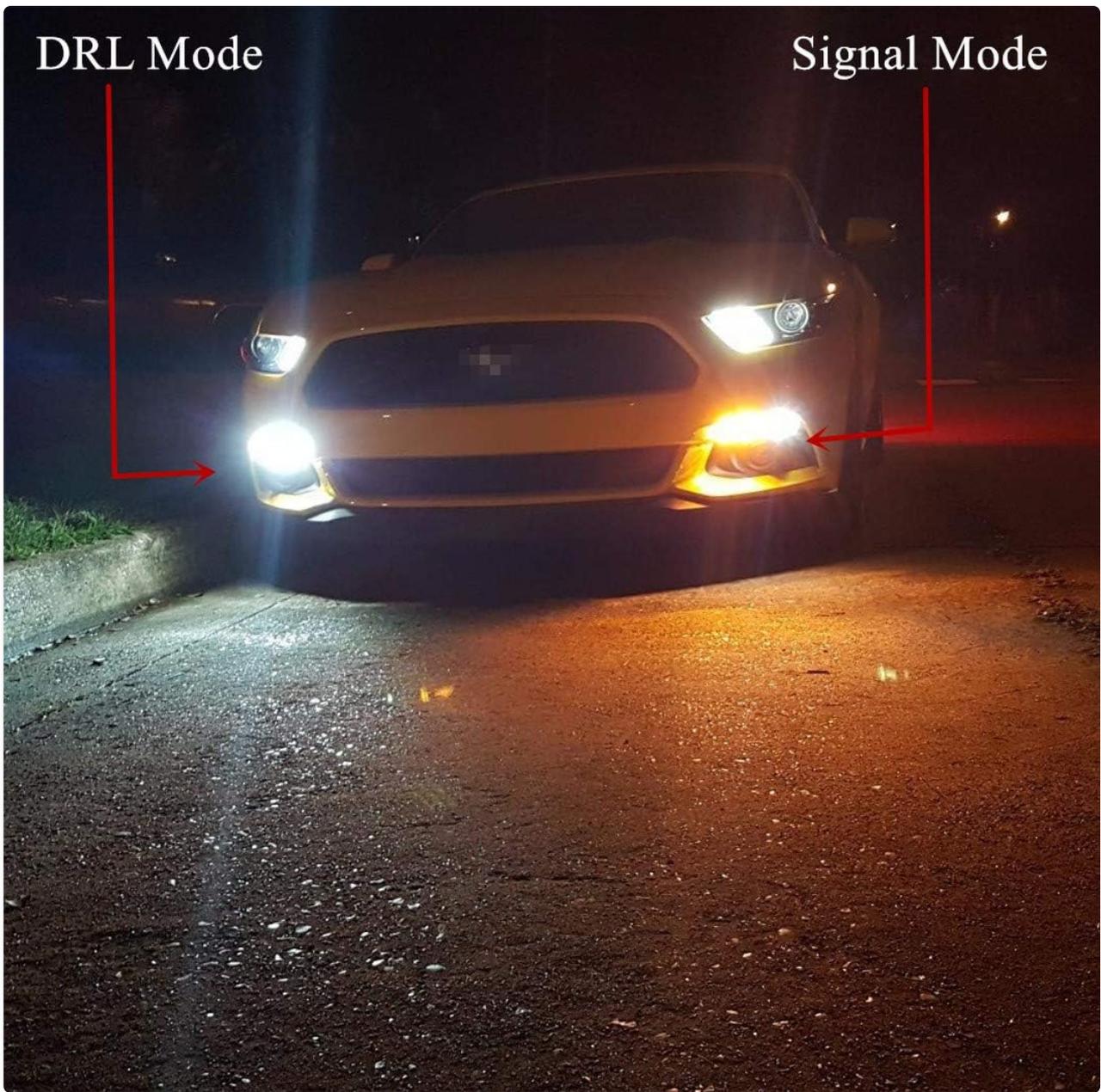
Image 3.2: A vehicle showcasing the distinct DRL (white) and turn signal (amber) modes provided by the Alla Lighting switchback bulbs.

4. OPERATING INSTRUCTIONS

Once installed, the Alla Lighting LED Switchback Bulbs operate automatically based on your vehicle's lighting system. No manual intervention is required for switching between white DRL/parking light mode and amber turn signal mode.

- Ensure your vehicle's DRL or parking light function is enabled for the white light to operate.
- Activate your turn signal lever as usual for the amber flashing function.

Image 4.1: A visual comparison demonstrating the improved brightness and clarity of Alla LED DRL and signal lights compared to standard stock incandescent bulbs.

5. Maintenance

Alla Lighting LED bulbs are designed for long-term durability and require minimal maintenance. Their robust construction and efficient heat dissipation (thanks to the aluminum heat sink) contribute to a prolonged operating life of approximately 30,000 hours.

- **Cleaning:** Periodically inspect the bulb housing and lens for dirt or debris and clean with a soft, damp cloth if necessary to maintain optimal light output.
- **Inspection:** Occasionally check the bulbs for consistent performance. If any flickering or color inconsistencies are observed, refer to the troubleshooting section.

Image 5.1: This image highlights the dual white and amber colors, along with the benefits of upgrading from stock lights, including 5x light output, 70% less energy, and 10x longer life.

6. TROUBLESHOOTING

If you encounter issues with your Alla Lighting LED Switchback Bulbs, consider the following common solutions:

- **Hyper Flash or Fast Flickering:** LED bulbs draw significantly less current than traditional incandescent lamps. This can sometimes cause the vehicle's turn signal system to detect a 'bulb out' error, resulting in rapid flashing (hyper flash).
  Solution: Extra LED load resistors (not included with bulbs) may be required to resolve hyper flash. These resistors simulate the electrical load of an incandescent bulb. Consult a professional or your vehicle's manual for proper installation of load resistors.

- **Bulb Not Lighting Up:** Ensure the bulb is correctly seated in the socket and the socket is securely locked into the housing. Check the vehicle's fuse box for any blown fuses related to the lighting circuit.

- **Incorrect Color or Functionality:** Verify that the bulbs are installed in the correct orientation. While these bulbs are designed for compatibility, some vehicle electrical systems can be sensitive. Re-check connections and ensure no wires are pinched or damaged.

7. SPECIFICATIONS

Attribute	Value
Brand	Alla Lighting
Model Number	Alla-2835-8WY_4257-WhiteYellow
Brightness	3000 Lumen
Color	White (6000K), Amber Yellow
Fit Type	Vehicle Specific Fit
Auto Part Position	Front
Operating Life	30000 Hours
Item Weight	1.13 ounces
Product Dimensions	1.75 x 0.79 x 1.32 inches
Cross Reference Numbers	4257, 4257NA, 4257NALL, 4257NAK, 4257AK

8. WARRANTY AND SUPPORT

Alla Lighting provides a **fully one-year warranty** for these LED switchback bulbs. This covers manufacturing defects and performance issues under normal use.

- **Returns:** Hassle-free returns for refund are available within 30 days of purchase.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact Alla Lighting's professional customer support. Refer to your purchase documentation or the Alla Lighting website for contact details.