

## Katana H11(H8/H9)

# Katana H11/H8/H9 LED Fog Light Bulb User Manual

Model: H11(H8/H9)

## 1. PRODUCT OVERVIEW

The Katana H11/H8/H9 LED Fog Light Bulbs are designed to provide superior illumination for your vehicle, offering significantly increased brightness and a clear, white light output. These bulbs are engineered for easy installation and long-lasting performance, enhancing visibility and safety during various driving conditions.



Image: Katana H11 LED Fog Light Bulbs and Packaging. This image displays the two LED bulbs alongside their retail box, highlighting the product's appearance and branding.

Key Features:

- **400% Brighter:** Delivers 70W, 16000LM per pair, 6500K white light, providing 4 times the brightness of original bulbs for clearer and wider driving vision.
- **Easy Installation:** Features a 1:1 size design for true plug-and-play installation, requiring no tools or modifications. Installation typically takes 10 minutes. Also suitable for ATV/UTV powersports lights.
- **360°Beam Angle:** Ensures a perfect beam pattern without dark spots, performing well in rainy, foggy, and snowy conditions for enhanced road safety.
- **Longer Lifespan:** Constructed with aviation aluminum and an ultra-high-speed fan for maximum cooling, ensuring over 50,000 hours of continuous lighting.
- **CANBUS Ready:** Built-in upgraded CANBUS system ensures compatibility with 99% of vehicles without error messages or flickering.

2. SPECIFICATIONS

Specification	Detail
Brand	Katana
Model	H11(H8/H9)
Brightness	16000LM per pair
Color Temperature	6500K White
Wattage	70W per pair
Operating Life	>50,000 Hours
Voltage	12 Volts
Waterproof Rating	IP68
Heat Dissipation	Aviation aluminum body with ultra-high-speed fan
CANBUS Compatibility	Built-in upgraded CANBUS, compatible with 99% vehicles

3. INSTALLATION GUIDE

Follow these steps for a quick and easy installation of your Katana LED fog light bulbs. No special tools are required.

1. Step 1: Access the Bulb Housing

Locate your vehicle's fog light housing. Depending on your vehicle model, you may need to access it from under the hood or from the wheel well. Consult your vehicle's owner's manual for specific instructions on accessing the fog light bulbs.



Image: 1:1 Beam Pattern and 5-Minute Installation. This graphic illustrates the identical size of the LED bulb to a halogen bulb, ensuring a perfect fit. It also shows the three simple steps for installation: inserting the bulb, twisting to lock, and connecting the electrical plug.

**2. Step 2: Remove the Old Bulb**

Carefully disconnect the electrical connector from the existing fog light bulb. Then, unclip or twist the old bulb to remove it from the housing. Handle the old bulb by its base to avoid touching the glass.

**3. Step 3: Insert the New LED Bulb**

Align the Katana LED bulb with the housing. Insert the bulb and twist it clockwise until it locks securely into place. Ensure the bulb is seated firmly and correctly to achieve the optimal beam pattern.

**4. Step 4: Connect the Electrical Plug**

Connect the electrical plug from your vehicle's wiring harness to the connector on the new Katana LED bulb. Ensure a secure connection. The built-in CANBUS system will help prevent error messages.



## 5. Step 5: Test the Lights

Before reassembling any covers or components, turn on your vehicle's fog lights to ensure they are functioning correctly. Verify that both new LED bulbs illuminate properly and provide a clear, consistent light output.

*Note: For optimal beam pattern, ensure the LED chips are positioned horizontally (at 3 and 9 o'clock positions) after installation. Some vehicles may require minor adjustments to the bulb's rotational position for the best light output.*



Image: 360° Beam Angle Adjustment. This image demonstrates the ability to rotate the bulb for precise beam pattern alignment, ensuring no dark spots and optimal light distribution.

## 4. OPERATING INSTRUCTIONS

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Once installed, your Katana LED fog light bulbs operate like your vehicle's standard fog lights. Activate them using your vehicle's existing fog light switch.

### **Optimal Performance:**

- The 6500K white light provides enhanced visibility in various conditions, including fog, rain, and snow.
- The advanced cooling system ensures consistent brightness and extends the lifespan of the bulbs.
- The CANBUS-ready design minimizes compatibility issues and prevents dashboard error messages in most vehicles.



Image: CANBUS Ready Compatibility. This graphic highlights the integrated CANBUS system, ensuring seamless operation without flickering or error messages on your vehicle's dashboard, compatible with 99% of vehicles.

## 5. MAINTENANCE AND CARE

Katana LED fog light bulbs are designed for minimal maintenance due to their long lifespan and durable construction. However, following these general guidelines can help ensure continued optimal performance:

- **Regular Cleaning:** Periodically clean the exterior of your vehicle's fog light lenses to ensure maximum light output. Use a soft cloth and a mild automotive cleaning solution.



- **Inspect Connections:** If you experience any issues, check the electrical connections to ensure they are secure and free from corrosion.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or solvents on the bulb or lens, as this can damage the materials.



Image: IP68 Waterproof Rating. This image demonstrates the bulb's robust design, indicating its resistance to water, dust, fog, and snow, ensuring reliable performance in challenging weather conditions.

## 6. TROUBLESHOOTING

If you encounter any issues with your Katana LED fog light bulbs, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Bulbs not turning on	Loose connection, incorrect installation, blown fuse.	Check all electrical connections. Ensure the bulb is fully seated and locked. Inspect your vehicle's fuse box for a blown fuse related to the fog lights.
Flickering or error message on dashboard	Vehicle's CANBUS system sensitivity.	While Katana bulbs are CANBUS ready, some highly sensitive vehicles may still require an additional decoder/resistor. Contact Katana customer support for assistance.
Poor beam pattern or dark spots	Incorrect bulb orientation.	Adjust the rotational position of the bulb within the housing. Ensure the LED chips are facing horizontally (3 and 9 o'clock).
Dust cover cannot be reinstalled	Bulb design with fan and driver may prevent original dust cover from fitting.	Contact Katana customer support for a suitable replacement dust cover.

For further assistance, please refer to the [Katana Store](#) or contact customer support.

## 7. PRODUCT VIDEOS

Watch the official product video for more information on Katana LED bulbs.

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Video: KATANA Bulb, BREAK THROUGH THE DARKNESS. This video showcases the features and benefits of Katana LED bulbs, including their brightness, ease of installation, and durability. It provides a visual demonstration of the light output and product design.

## 8. WARRANTY AND SUPPORT

For warranty information and customer support, please visit the official Katana Store or contact their customer service directly.

**Katana Store:** <https://www.amazon.com/stores/KATANA/page/C1589C7C-A710-4EA8-9774-723263283528>

Katana is committed to quality and customer satisfaction. If you encounter any issues or have questions, their support team is available to assist you.