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Marsauto M1S H11/H8/H9

Marsauto M1S H11/H8/H9 LED Fog Light Bulbs User Manual

Model: M1S H11/H8/H9

INTRODUCTION

Thank you for choosing Marsauto M1S H11/H8/H9 LED Fog Light Bulbs. These high-performance LED bulbs are designed to provide superior illumination for your vehicle's fog lights, offering enhanced brightness and a cool white light output. This manual provides essential information for the proper installation, operation, and maintenance of your new LED bulbs.



Image: Marsauto M1S H11/H8/H9 LED Fog Light Bulbs, showing two bulbs and their packaging.

WHAT'S IN THE BOX

Please verify that all items are present and in good condition upon opening the package.

- 2 x H11/H9/H8 LED Fog Light Bulbs
- 2 x Installation Gloves
- 1 x User Manual (this document)



Image: A visual representation of the package contents, including two LED bulbs, a pair of gloves, and an instruction manual.

SPECIFICATIONS

Model	M1S H11/H8/H9
Brightness	24000 Lumen (per pair)
Color Temperature	6000K Cool White
Voltage	12 Volts
Lifespan	Up to 60,000 Hours
Waterproof Rating	IP68
Design	1:1 Halogen Design, Fanless
Compatibility	H11, H8, H9 bulb types (Fog Lights)
Adjustability	360° Adjustable Lock Ring
Item Weight	5.3 ounces
Package Dimensions	4.41 x 4.25 x 2.44 inches

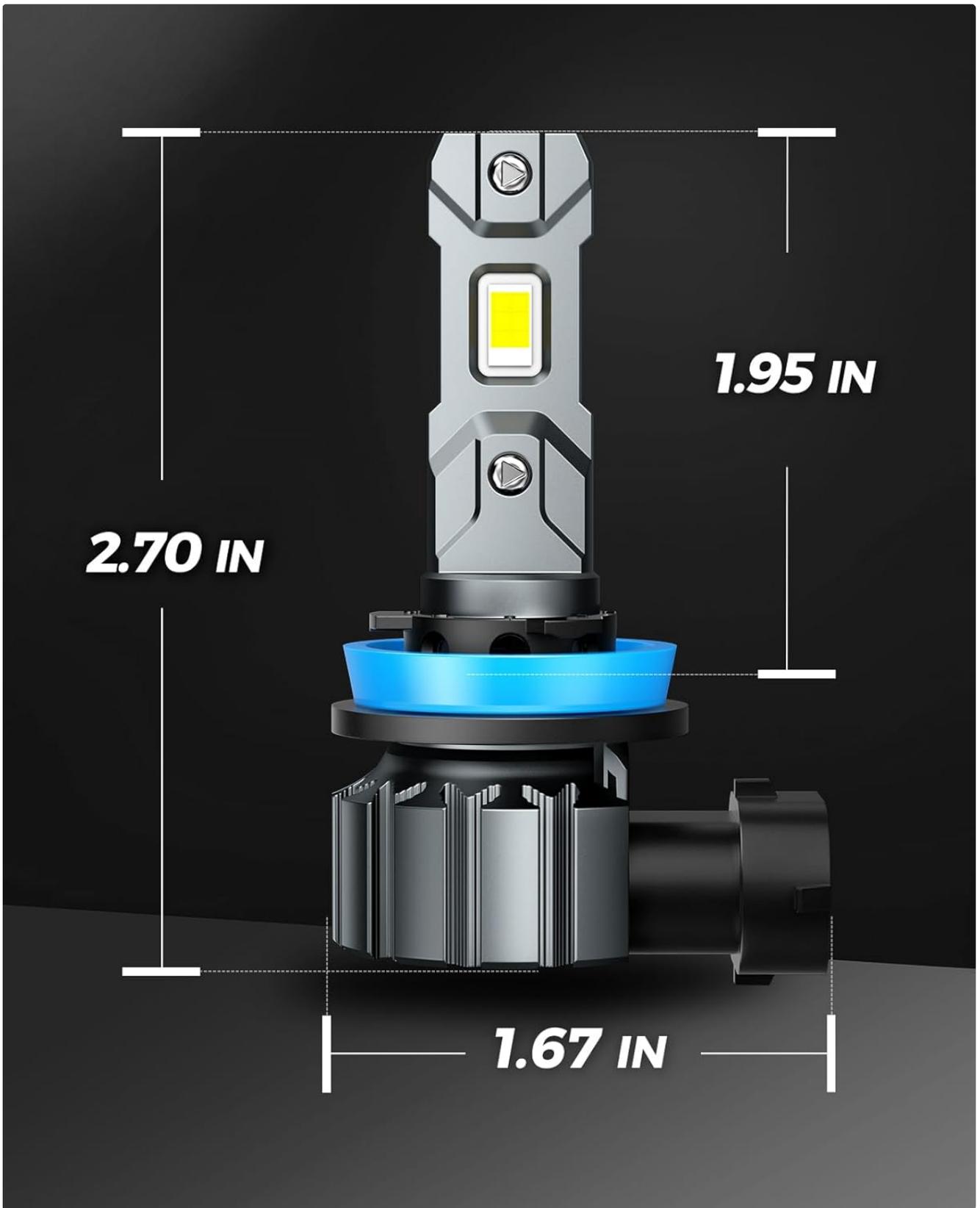


Image: Detailed dimensions of the Marsauto M1S LED bulb, showing height and width measurements.



Image: Illustration highlighting the IP68 waterproof feature of the Marsauto M1S bulbs, showing their performance in various weather conditions.

INSTALLATION GUIDE

The Marsauto M1S LED bulbs feature a 1:1 design for easy, plug-and-play installation, typically completed within 3 minutes per bulb. No external drivers or complex wiring are required.

1. Compatibility Check

Before installation, confirm that these H11/H8/H9 bulbs are compatible with your vehicle's fog light sockets. These bulbs are designed as a direct replacement for halogen bulbs. Do not attempt to replace HID or LED factory bulbs with this product.

Check it before buy to confirm whether match

1. Use amazon confirmed fit.

Enter a new vehicle

Select a Vehicle Type v

Select Year v

Select Make v

Select Model v

2. Enter your vehicle year, make and model, Click "Confirm"

This product fits only if following criteria are met.

Position	High Beam
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Note: Caution! Only replace Halogen bulbs in OE Assembly. DO NOT replace your bulb with HID or LED. Please Double Check your OE Bulb Type.

amazonconfirmedfit | i ✓ This fits 2011

3. Please pay attention to the note information

Check your stock halogen bulb

Image: Instructions on how to verify bulb compatibility using online tools or by checking your vehicle's existing halogen bulb type.



Image: A visual comparison illustrating the 1:1 size design of the Marsauto M1S LED bulb against a traditional halogen bulb, indicating a perfect fit.

2. Installation Steps

1. **Safety First:** Ensure your vehicle's engine is off and the lights are cool before beginning. Wear the provided gloves to avoid touching the bulb surface.
2. **Locate Bulb:** Identify the fog light housing on your vehicle. Access may vary by vehicle model (e.g., from under the hood or wheel well).
3. **Remove Old Bulb:** Disconnect the electrical connector from the existing halogen bulb. Then, carefully twist or unclip the old bulb to remove it from the housing.
4. **Insert New LED Bulb:** Insert the Marsauto M1S LED bulb into the fog light housing. Ensure it is seated correctly and securely. The 1:1 design minimizes fitment issues.
5. **Secure and Connect:** Twist or clip the LED bulb into place to secure it. Reconnect the electrical connector to the new LED bulb.
6. **Test:** Turn on your vehicle's fog lights to confirm proper operation.



Image: A three-step visual guide demonstrating the simple plug-and-play installation process of the LED bulbs into a vehicle's light housing.

3. Adjusting the Beam Angle (if necessary)

The Marsauto M1S bulbs feature a 360° adjustable lock ring, allowing you to fine-tune the beam pattern for optimal

light output and to avoid blinding oncoming traffic. If the beam pattern appears incorrect after installation, you can adjust the bulb's orientation:

- Loosen the small screws on the adjustable ring (a small Phillips screwdriver may be required).
- Rotate the bulb body within the lock ring until the LED chips are positioned vertically (flat sides at 9 and 3 o'clock) for the best beam pattern.
- Tighten the screws to secure the adjusted position.



Image: An illustration showing the 360-degree adjustable lock ring on the M1S LED bulb, indicating how the beam angle can be modified.

OPERATION

Once installed, the Marsauto M1S LED fog light bulbs operate like your vehicle's original bulbs. Simply activate your vehicle's fog light switch to turn them on. These bulbs provide a significantly brighter, 6000K cool white light, enhancing visibility in adverse weather conditions such as fog, rain, or snow.



Image: A side-by-side comparison demonstrating the superior brightness of Marsauto M1S LED bulbs (24000LM) compared to standard stock halogen bulbs, illuminating a street scene at night.

MAINTENANCE

Marsauto M1S LED bulbs are designed for minimal maintenance due to their durable construction and efficient design. They feature a fanless design, eliminating moving parts that can wear out, and an IP68 waterproof rating for protection against environmental elements.

- **Cleaning:** If necessary, gently wipe the bulb's lens with a soft, dry cloth. Avoid abrasive cleaners or materials.
- **Inspection:** Periodically check the bulbs for any signs of damage or loose connections.
- **Lifespan:** With an estimated lifespan of up to 60,000 hours, these bulbs are built to last, significantly reducing the need for frequent replacements.

60000 HRS LIFESPAN



MARSAUTO



OTHER x 120

Image: An illustration comparing the extended lifespan of Marsauto M1S LED bulbs (60,000 hours) to the much shorter lifespan of traditional halogen bulbs.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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<p>Bulb does not light up</p>	<p>Loose connection, incorrect polarity, faulty bulb, vehicle wiring issue.</p>	<ul style="list-style-type: none"> • Check electrical connector for secure fit. • Ensure correct polarity (though M1S is designed for no polarity issues, double-check connection). • Test the bulb in another working socket if possible. • Consult a professional if vehicle wiring is suspected.
<p>Flickering or intermittent operation</p>	<p>Loose connection, CANBUS system incompatibility (rare for 1:1 design), voltage fluctuations.</p>	<ul style="list-style-type: none"> • Verify all connections are tight. • While M1S bulbs are designed to minimize CANBUS issues, some sensitive vehicles may require an additional decoder (not included). • Ensure vehicle's electrical system is stable.
<p>Error message on dashboard</p>	<p>Vehicle's CANBUS system detects lower power draw from LED bulbs compared to halogens.</p>	<ul style="list-style-type: none"> • Marsauto M1S bulbs are designed to reduce error messages. If an error persists, a CANBUS decoder may be needed for your specific vehicle model.
<p>Improper beam pattern or light spread</p>	<p>Bulb not correctly oriented in the housing.</p>	<ul style="list-style-type: none"> • Adjust the 360° lock ring to orient the LED chips vertically (flat sides at 9 and 3 o'clock). Refer to the "Adjusting the Beam Angle" section in Installation Guide.

100% VEHICLE COMPATIBILITY

Canbus Ready



MARSAUTO M1S



OTHERS



Image: An illustration showing the M1S bulb's design for vehicle compatibility, indicating how it prevents dashboard error messages compared to other bulbs.

WARRANTY AND SUPPORT

Marsauto is committed to providing high-quality products. For specific warranty details, please refer to the product packaging or contact Marsauto customer support directly. If you encounter any issues or have questions regarding your M1S H11/H8/H9 LED bulbs, please reach out to our support team for assistance.

Contact Information: Please visit the official Marsauto website or your point of purchase for the most current customer support contact details.

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