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› BEAMTECH S1 Series H11/H8/H9 Fog Light Bulbs User Manual

BEAMTECH H11

BEAMTECH S1 Series H11/H8/H9 Fog Light Bulbs User Manual

Brand: BEAMTECH | Model: H11/H8/H9 (S1 Series)

1. INTRODUCTION AND PRODUCT OVERVIEW

Thank you for choosing BEAMTECH S1 Series H11/H8/H9 Fog Light Bulbs. These high-performance LED bulbs are designed to provide superior illumination, enhancing your driving safety and visibility in various conditions. With advanced features like a focused beam, fanless cooling, and CANBUS compatibility, our bulbs offer a reliable and efficient lighting solution for your vehicle.



Figure 1.1: BEAMTECH S1 Series H11/H8/H9 Fog Light Bulbs

2. KEY PRODUCT FEATURES

- **300% Brighter:** S1 fog light bulbs are significantly brighter than original halogen bulbs, providing enhanced visibility for night driving.
- **Focused Beam:** Engineered to reproduce the same focal distance as original lamps, ensuring a precise beam pattern without glare or dark spots.
- **Fanless Cooling:** Features a radiator at the bottom for intelligent heat dissipation, ensuring quiet operation and extended bulb life.
- **IP67 Waterproof:** Designed to work stably in harsh weather conditions, including fog, rain, dust, and snow, with a rapid 0.1s startup time.
- **CANBUS Ready:** Built-in CANBUS system resolves common error codes and flickering issues in 98% of vehicles.
- **Long Lifespan:** Upgraded chip and efficient cooling contribute to an impressive operating life of up to 50,000 hours.

**BRIGHTNESS UPGRADE
BEAMTECH**



SAFER DRIVING NO DARK SPOT NO SHADOW



Figure 2.1: Brightness Upgrade - BEAMTECH vs. Standard

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**FOCUSED LIGHT
NO DARK SPOTS**

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OLD BULB

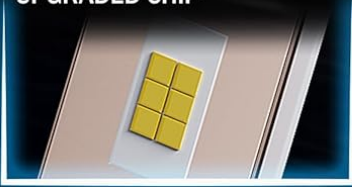


Figure 2.2: Focused Light Beam

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50,000 HOURS LIFESPAN

UPGRADED CHIP



FANLESS COOLING



AVIATION ALUMINUM LAMP BODY



Figure 2.3: 50,000 Hours Lifespan with Fanless Cooling



Figure 2.4: IP67 Waterproof Rating

3. SETUP AND INSTALLATION

Installation of BEAMTECH S1 Series bulbs is designed to be quick and straightforward, typically taking around 5 minutes per bulb. Always ensure your vehicle is turned off and cooled down before beginning installation.

3.1 Pre-Installation Check

1. **Verify Fitment:** Before purchasing or installing, confirm the correct bulb size for your vehicle. You can use Amazon's vehicle fitment tool, check your original bulb's number, or consult online resources.
2. **Safety First:** Disconnect the vehicle's battery before starting any electrical work. Allow existing bulbs to

cool down completely if they have been recently in use.



Figure 3.1: How to Verify Bulb Fitment

3.2 Installation Steps

1. Locate your vehicle's fog light housing. Depending on your vehicle model, you may need to access it from under the hood or by removing the wheel well liner.
2. Carefully remove the old halogen bulb by twisting it counter-clockwise and pulling it out. Disconnect the electrical connector.
3. Insert the new BEAMTECH LED bulb into the housing, aligning the tabs. Twist clockwise to secure it in place.
4. Connect the electrical connector to the new LED bulb. Ensure a secure connection.
5. Repeat the process for the other fog light.
6. Reconnect the vehicle's battery and test the new fog lights.

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5 MINUTES EASY INSTALLATION



Figure 3.2: 5 Minutes Easy Installation

Video 3.1: Official BEAMTECH S1 Series Fanless Bulbs Overview. This video demonstrates the features and benefits of the BEAMTECH S1 Series bulbs, including their brightness and fanless design.

4. OPERATING INSTRUCTIONS

Once installed, operating your BEAMTECH S1 Series fog lights is the same as operating your vehicle's original fog lights. Simply use your vehicle's standard lighting controls to turn them on or off.

- Turn on your vehicle's fog lights using the designated switch or stalk.
- The BEAMTECH LED bulbs will illuminate instantly with full brightness.
- Turn off your vehicle's fog lights when not needed.

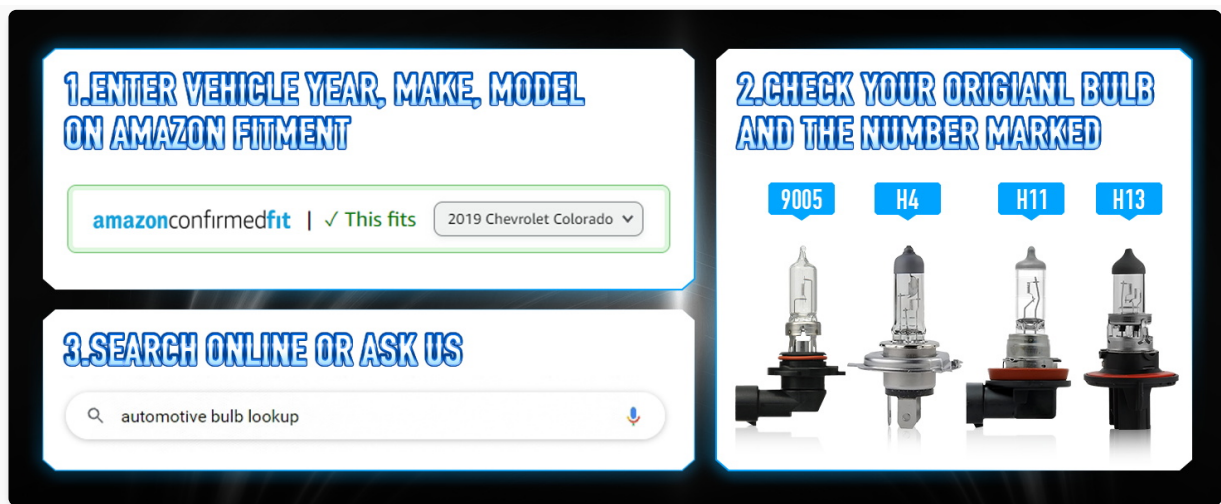


Figure 4.1: Beam Pattern Comparison - BEAMTECH vs. Old Bulbs

5. MAINTENANCE

BEAMTECH S1 Series LED fog light bulbs are designed for minimal maintenance due to their durable construction and fanless cooling system.

- **Regular Inspection:** Periodically check the bulbs for any signs of damage or loose connections.
- **Cleaning:** If the bulb's lens becomes dirty, gently wipe it with a soft, clean cloth. Avoid using abrasive cleaners or materials that could scratch the surface.
- **Heat Dissipation:** Ensure that the area around the bulb's radiator is not obstructed to allow for proper heat dissipation.

6. TROUBLESHOOTING

If you encounter any issues with your BEAMTECH S1 Series fog lights, please refer to the common problems and solutions below:

- **Flickering, Error Codes, or Interference:** Some vehicle systems are highly sensitive to LED bulbs. While BEAMTECH bulbs have built-in CANBUS, certain vehicles may still require additional components. If you experience these issues, please contact BEAMTECH customer support for assistance. We can provide suitable decoders or resistors to resolve the problem.
- **Dust Cover Cannot Be Reinstalled:** The bulb's design incorporates a radiator for optimal heat dissipation, which might prevent the original dust cover from being reinstalled. We can provide a suitable replacement dust cover to ensure proper sealing and protection.
- **Bulb Failure:** In the rare event of a bulb failure, please contact BEAMTECH customer support. We are committed to resolving the problem and can arrange for a new bulb replacement.

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OTHER

98% VEHICLES COMPATIBLE CANBUS READY, NO FLICKER, NO ERROR

- Still get errors?
- We can send decoders/resistors.

Figure 6.1: CANBUS Compatibility - No Errors

7. SPECIFICATIONS

Specification	Detail
Brand	BEAMTECH
Model	H11 (S1 Series, also H8/H9 compatible)
Light Color	6500K White

Brightness	300% Brighter than original bulbs
Cooling System	Fanless Cooling with Radiator
Waterproof Rating	IP67
Operating Life	50,000 Hours
Voltage	9 Volts (DC)
Startup Time	0.1s
CANBUS	Built-in, resolves error codes and flickering
Specific Uses	Fog Lights, Off-road use

8. WARRANTY AND SUPPORT

BEAMTECH is committed to providing high-quality products and excellent customer service. While specific warranty terms are not detailed in this manual, we stand behind our products and offer support for any issues you may encounter.

- For any questions, technical assistance, or warranty claims, please contact BEAMTECH customer support directly.
- If you experience flickering, error codes, or need a replacement dust cover, our support team can provide the necessary solutions or components.
- In case of bulb failure, we will assist you with a replacement.

You can often find contact information on the product packaging, the BEAMTECH official website, or through the retailer where you purchased the product.