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> [Auxbeam Q6 Series H11 H8 H9 LED Fog Light Bulbs User Manual](#)

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Auxbeam Q6 Series H11 H8 H9 LED Fog Light Bulbs User Manual

Model: Q6 Series (H11, H8, H9) | Brand: AUXBEAM

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1. INTRODUCTION

Thank you for choosing Auxbeam Q6 Series LED Fog Light Bulbs. These bulbs are designed to provide enhanced visibility and a focused golden yellow light output for your vehicle's fog lights. This manual provides essential information for safe installation, proper operation, and maintenance to ensure optimal performance and longevity of your new LED fog light bulbs.



Image 1.1: Auxbeam Q6 Series H11 LED Fog Light Bulb. This image displays a single Auxbeam Q6 Series LED fog light bulb, highlighting its compact design and golden yellow light-emitting surface.

2. PRODUCT FEATURES

The Auxbeam Q6 Series LED Fog Light Bulbs incorporate advanced technology for superior performance:

- **Ultra Brightness:** Equipped with upgraded double-sided 5530 CSP chips, delivering 12000 lumens per set for 600% more penetrating brightness and 200% wider vision compared to standard halogen bulbs. The 3000K golden yellow light is optimized for cutting through dense fog and heavy rain.
- **Ideal Beam Pattern:** Designed to perfectly simulate the original beam pattern, providing 360° full light and uniform light distribution. This ensures no dark spots, no shadows, and prevents blinding oncoming traffic.
- **Quick Installation:** Features a 1:1 mini size, all-in-one metal construction for a super solid and heavy-duty build. It fits perfectly into your housing and factory sockets without any modification. The plug-and-play design eliminates bulky bases, external wiring, and noise, allowing for installation within 3 minutes.
- **Extended Lifespan:** Boasts a 60,000-hour long lifespan due to a joint heat control design. This includes built-in latest temperature control chips, 7+7 anti-slip heat sinks, a pure copper baseboard, and an all-aviation

aluminum shell, which collectively improve heat dissipation by 80%. The fanless and sealing design isolates dust and water mist, preventing failure and reducing wear.

- **High Compatibility:** Built-in latest linear decoding chips and an intelligent IC driver ensure effective compatibility with 99% of vehicle models, preventing error codes, dashboard warnings, and flickering.



Image 2.1: Illustration of higher light utilization and less light decay. This graphic shows the bulb's design for efficient light output and minimal degradation over time, featuring 3500K Golden Yellow, 12000LM High Power, and 360° Full Lighting.



Image 2.2: Comparison of Auxbeam LED fog lights versus halogen bulbs. This graphic demonstrates the 600% ultra brightness and 200% wider vision provided by Auxbeam 12000LM 3500K bulbs compared to dimmer halogen lights.



Image 2.3: Benefits of the fanless design. This graphic highlights the "No Noise," "No Dark Spot," and "Less Light Decay" advantages of the fanless design, comparing the compact Auxbeam LED bulb to a larger halogen bulb.

3. SAFETY INFORMATION

Please read and understand all safety precautions before installing or operating the Auxbeam Q6 Series LED Fog Light Bulbs. Failure to follow these instructions may result in electrical shock, injury, or damage to your vehicle.

- **Professional Installation Recommended:** If you are unfamiliar with automotive electrical systems, it is recommended to seek professional installation.
- **Disconnect Power:** Always disconnect the vehicle's battery before performing any electrical work to prevent electrical shock.
- **Wear Protective Gear:** Wear appropriate safety glasses and gloves during installation.
- **Handle with Care:** LED bulbs are delicate. Avoid touching the LED chips directly and handle the bulbs by their base.
- **Correct Application:** These bulbs are designed exclusively for fog light applications. Do not use them as headlights or for any other purpose.
- **Compatibility Check:** Verify bulb compatibility with your vehicle's make and model before installation. Refer to your vehicle's owner's manual or consult a professional.
- **Heat:** Although designed for efficient heat dissipation, LED bulbs can still generate heat. Allow bulbs to cool before handling after operation.

4. INSTALLATION GUIDE

The Auxbeam Q6 Series LED Fog Light Bulbs feature a plug-and-play design for easy installation. Follow these steps:

1. **Identify Bulb Type:** Before starting, confirm the correct bulb size for your vehicle's fog lights. You can check your original bulb, consult your car's owner's manual, or search online for "automotive bulb lookup."



Image 4.1: Methods for determining the correct bulb size. This graphic illustrates checking the original bulb, referring to the owner's manual, or using an online search for automotive bulb lookup.

2. **Access Fog Light Housing:** Depending on your vehicle, you may need to remove wheel well liners, bumper covers, or access the fog light from underneath the vehicle. Refer to your vehicle's service manual for specific instructions.
3. **Disconnect Old Bulb:** Carefully twist and pull out the old halogen fog light bulb from its socket. Disconnect

the electrical connector.

4. **Insert New LED Bulb:** Insert the Auxbeam Q6 Series LED bulb into the fog light housing. Ensure it is seated firmly.



Image 4.2: Step-by-step guide for quick installation. This image shows the three main steps: inserting the bulb, securing it, and connecting the plug, demonstrating the ease of installation.

5. **Orient the LED Chips:** For optimal beam pattern, ensure the LED chips on the bulb face the 3 o'clock and 9 o'clock directions (horizontally). This ensures proper light distribution and prevents glare.
6. **Connect Electrical Plug:** Connect the vehicle's electrical plug to the new LED bulb's connector. Ensure a secure connection.
7. **Test Functionality:** Before reassembling, turn on your vehicle's fog lights to ensure both bulbs are functioning correctly.
8. **Reassemble:** Once confirmed, reassemble any removed components.

Important Note:

- These bulbs are specifically designed for fog light use only. Do not install them in headlight assemblies.
- While 99% compatible, some specific vehicle models (e.g., BMW, Audi, Mercedes, Jeep, VW MK6 GTI, Chevrolet Cruze, Acura MDX, Ford Flex) may require additional CANBUS decoders to prevent error messages. If you experience flickering or dashboard warnings, contact Auxbeam support.

Your browser does not support the video tag.

Video 4.1: Auxbeam Q6 Series Fog Lights Product Overview and Installation. This video demonstrates the features of the Q6 series fog lights, including their fanless design, advanced chips, all-in-one metal shell, heat dissipation, compact size, and the simple 3-minute plug-and-play installation process, emphasizing correct chip orientation for optimal beam pattern. It also shows a comparison of OEM vs. Auxbeam light output and performance in various weather conditions.

5. OPERATION

Once installed, the Auxbeam Q6 Series LED Fog Light Bulbs operate in conjunction with your vehicle's existing fog light switch. Turn on your vehicle's fog lights as you normally would. The golden yellow light is particularly effective in conditions with reduced visibility such as fog, rain, or snow, providing a clearer and wider field of vision.



Image 5.1: Illustration of IP68 waterproof performance in various weather conditions. This graphic shows a car with Auxbeam fog lights operating effectively in rain, fog, dust, and snow, highlighting the fully electroplated metal construction for durability.

6. MAINTENANCE

The Auxbeam Q6 Series LED Fog Light Bulbs are designed for minimal maintenance and long-term reliability:

- **Cleaning:** Periodically inspect the fog light lenses for dirt or debris. Clean with a soft cloth and mild automotive cleaner to ensure maximum light output.
- **Inspection:** Occasionally check the bulbs for any signs of damage or loose connections.
- **Long Lifespan:** With a rated lifespan of 60,000 hours, these LED bulbs are expected to last significantly longer than traditional halogen bulbs, reducing the need for frequent replacements.
- **Fanless Design:** The fanless design eliminates moving parts, reducing potential points of failure and noise, contributing to a maintenance-free experience.
- **IP68 Rating:** The IP68 waterproof and dustproof rating ensures the bulbs are protected against environmental elements, further enhancing their durability and reducing maintenance needs.



Image 6.1: Illustration of the bulb's cooling system and extended lifespan. This graphic details the pure copper baseboard, new temperature-control chips, 7+7 anti-slip heat sinks, and all-aluminum body that contribute to the 60,000+ hour lifespan and 80% improved heat control.

7. TROUBLESHOOTING

If you encounter issues with your Auxbeam Q6 Series LED Fog Light Bulbs, refer to the following common solutions:

Problem	Possible Cause	Solution
Bulbs do not light up.	<ul style="list-style-type: none"> Loose connection. Incorrect polarity. Blown fuse. Damaged bulb. 	<ul style="list-style-type: none"> Check all electrical connections to ensure they are secure. Try reversing the plug (some vehicles have polarity-sensitive sockets). Inspect and replace any blown fuses in your vehicle's fuse box. If the bulb is physically damaged, it may need replacement.
Flickering or dashboard error message.	<ul style="list-style-type: none"> CANBUS incompatibility. Loose internal wiring (rare). 	<ul style="list-style-type: none"> Some sensitive vehicle systems (e.g., certain BMW, Audi, Mercedes models) may require an additional CANBUS decoder. Contact Auxbeam support for assistance. Ensure the bulb is fully seated and connections are tight. If issues persist, contact support.
Poor beam pattern or insufficient light.	<ul style="list-style-type: none"> Incorrect bulb orientation. Dirty lens. 	<ul style="list-style-type: none"> Ensure the LED chips are oriented horizontally (3 o'clock and 9 o'clock positions) for proper light distribution. Clean the fog light lens.



Image 7.1: Illustration of CANBUS compatibility. This graphic highlights the built-in strong IC driver for 99% compatibility, ensuring no errors, flickering, or warnings.

8. SPECIFICATIONS

Attribute	Detail
Brand	AUXBEAM
Model	Q6 Series (H11, H8, H9)
Bulb Type	LED
Light Source Type	LED

Attribute	Detail
Lumen Output	12000 LM per set
Color Temperature	3000 Kelvin (Golden Yellow)
Voltage	9V-12V (DC)
Lifespan	60,000 hours
Waterproof Rating	IP68
Heat Dissipation	All-aviation aluminum shell, pure copper baseboard, 7+7 anti-slip heat sinks, built-in temp-control chips
Fit Type	Universal Fit (for compatible fog light housings)
Position	Front (Fog Lights)
Item Weight	100 g
Country of Origin	China

9. WARRANTY AND SUPPORT

Auxbeam Q6 Series LED Fog Light Bulbs come with a 12-month warranty from the date of purchase, covering manufacturing defects. For warranty claims, technical support, or any questions regarding installation and compatibility, please contact Auxbeam customer service.

You can typically find contact information on the official Auxbeam website or through the retailer where you purchased the product. Please have your purchase details and product model number (Q6 Series) ready when contacting support.