

SEALIGHT X1 FOG LIGHT (HB3/9005)

# SEALIGHT X1 HB3/9005 LED Fog Light Bulb User Manual

Model: X1 FOG LIGHT (HB3/9005)

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## 1. INTRODUCTION

Thank you for choosing SEALIGHT X1 HB3/9005 LED Fog Light Bulbs. These bulbs are designed to provide superior illumination and enhanced visibility for your vehicle, especially in challenging conditions like fog or off-road environments. Featuring a 1:1 size design for easy fit and an intelligent cooling system, the SEALIGHT X1 bulbs offer stable, bright light without flickering or dark spots, contributing to safer night driving.



Figure 1.1: SEALIGHT X1 HB3/9005 LED Fog Light Bulbs and their packaging.

## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Always disconnect the vehicle's battery before performing any electrical work to prevent electric shock.
- Wear appropriate personal protective equipment, such as safety glasses and gloves, during installation.
- Ensure the vehicle's engine is off and cooled down before handling bulbs, as they can be hot.
- Do not touch the LED chips directly, as oils from your skin can reduce their lifespan.
- Verify that the bulb type (HB3/9005) is compatible with your vehicle's headlight or fog light housing before installation.
- Keep bulbs out of reach of children.
- Dispose of old bulbs responsibly according to local regulations.

## 3. PACKAGE CONTENTS

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The SEALIGHT X1 HB3/9005 LED Fog Light Bulb package typically includes the following items:

- 2 x SEALIGHT X1 HB3/9005 LED Fog Light Bulbs
- User Manual (this document)

*Note:* Contents may vary slightly depending on the specific product variant or region.

## 4. INSTALLATION GUIDE

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The SEALIGHT X1 HB3/9005 LED bulbs are designed for a quick and easy plug-and-play installation, typically taking around 10 minutes. No additional tools or modifications are usually required for most vehicles.

### 4.1 Before You Begin

- Ensure your vehicle is turned off and the engine is cool.
- Locate your vehicle's existing HB3/9005 fog light or headlight bulbs. Consult your vehicle's owner's manual if needed.
- Confirm the bulb type is HB3/9005.

### 4.2 Installation Steps

1. **Disconnect Power:** Carefully disconnect the electrical connector from the back of the existing bulb.
2. **Remove Old Bulb:** Twist or unclip the old HB3/9005 halogen bulb from its housing. Remove it gently.
3. **Insert New LED Bulb:** Take the SEALIGHT X1 HB3/9005 LED bulb. Align the tabs on the LED bulb with the slots in the vehicle's housing. Insert the LED bulb and twist or secure it until it is firmly seated. Ensure the LED chips are facing horizontally (3 and 9 o'clock positions) for optimal beam pattern.
4. **Connect Electrical Connector:** Reconnect the vehicle's electrical connector to the new SEALIGHT X1 LED bulb. The bulbs are non-polarity sensitive, meaning they will work regardless of connector orientation.
5. **Test Functionality:** Turn on your vehicle's lights to test the new LED bulbs. Ensure both bulbs illuminate correctly and there are no error messages on your dashboard.

# 10 MIN EASY INSTALLATION



NO MODIFICATION NEEDED ☒

PLUG AND PLAY ☒

NON-POLARITY ☒



Figure 4.1: Visual guide for the simple plug-and-play installation process.

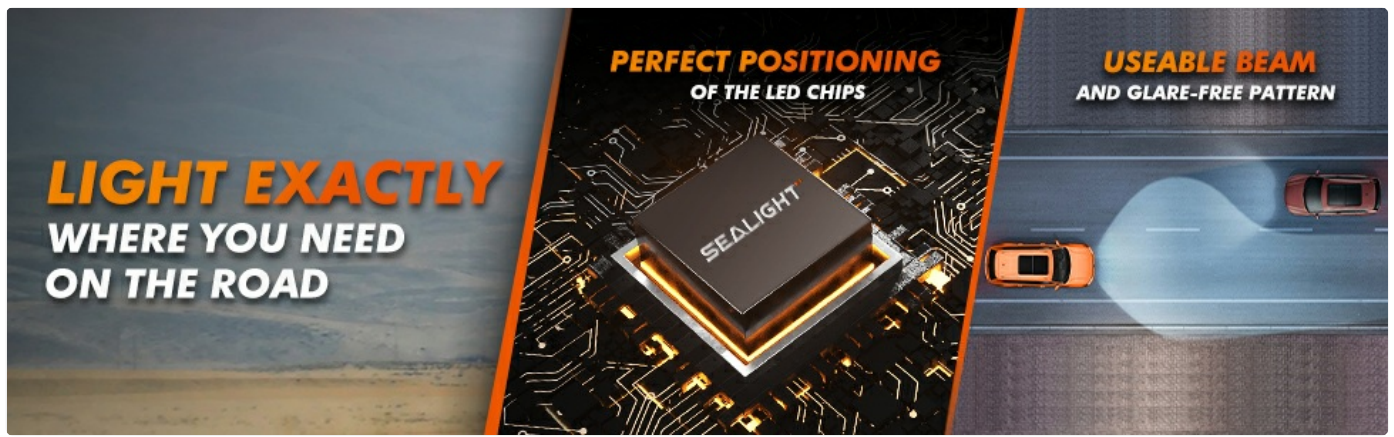


Figure 4.2: Proper positioning of LED chips ensures a usable and glare-free beam pattern.

## 5. OPERATING INSTRUCTIONS

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Once installed, the SEALIGHT X1 HB3/9005 LED bulbs operate automatically with your vehicle's lighting system. They are designed to provide immediate full brightness without any warm-up time.

- Simply turn on your vehicle's fog lights or headlights as you normally would.
- The bulbs will provide a bright, clear white light, significantly improving visibility compared to standard halogen bulbs.
- The advanced cooling system ensures stable performance and quiet operation.



Figure 5.1: Enhanced visibility and safety provided by SEALIGHT X1 LED bulbs, allowing earlier detection of obstacles.

## 6. MAINTENANCE

SEALIGHT X1 HB3/9005 LED bulbs are designed for long-term reliability and require minimal maintenance. Their durable construction and efficient cooling system contribute to an extended lifespan of up to 50,000 hours.

- **Cleaning:** If necessary, gently wipe the bulb's surface with a clean, dry, lint-free cloth. Avoid using abrasive cleaners

or solvents.

- **Inspection:** Periodically check the bulbs for any signs of damage or loose connections.
- **No User Serviceable Parts:** Do not attempt to disassemble or modify the bulbs. This will void the warranty and may cause damage.

## EXTENDED LIFESPAN

### 50,000 HOURS

No more frequent changes



HALOGEN BULB  330 HRS

SEALIGHT LED  50,000 HRS

Figure 6.1: SEALIGHT LED bulbs offer a significantly longer lifespan, reducing the frequency of replacements.



Figure 6.2: The intelligent cooling system ensures optimal performance and longevity without fan noise.

## 7. TROUBLESHOOTING

If you encounter issues with your SEALIGHT X1 HB3/9005 LED bulbs, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bulb does not light up.	Loose connection, incorrect installation, faulty bulb.	<ul style="list-style-type: none"> <li>◦ Check if the electrical connector is securely attached.</li> <li>◦ Ensure the bulb is fully seated and locked into the housing.</li> <li>◦ Test the bulb in another compatible vehicle or socket if possible.</li> </ul>
Flickering or intermittent light.	CANBUS system incompatibility (rare for X1), loose connection.	<ul style="list-style-type: none"> <li>◦ Ensure connections are secure.</li> <li>◦ The SEALIGHT X1 is designed to be compatible with 99% of vehicles without additional adapters. If flickering persists, consult SEALIGHT customer support.</li> </ul>
Dashboard error message ("bulb out").	Vehicle's CANBUS system detects lower power draw from LED.	<ul style="list-style-type: none"> <li>◦ The X1 series is designed to minimize this. If an error occurs, it can often be cleared by pressing "OK" on the steering wheel (as noted in customer reviews). If persistent, a CANBUS decoder may be required for some sensitive vehicles (though rare for this model).</li> </ul>
Light beam pattern is incorrect or scattered.	Bulb not oriented correctly in housing.	<ul style="list-style-type: none"> <li>◦ Ensure the LED chips are facing horizontally (3 and 9 o'clock positions) when installed. Re-adjust if necessary.</li> </ul>

# CANBUS READY FOR

## 99% VEHICLES



No annoying error code



No flickering



SUV



VAN



CAR



PICKUP



Figure 7.1: SEALIGHT X1 bulbs are designed for broad compatibility, minimizing error codes and flickering.

## 8. SPECIFICATIONS

Feature	Detail
Model	X1 FOG LIGHT

Feature	Detail
Bulb Type	HB3/9005
Light Source	LED
Color Temperature	White
Lumen Output	30,000LM (per pair, estimated)
Lifespan	Up to 50,000 hours
Cooling System	Anodized aluminum heatsink, 360° hollow-carved design (fanless)
Waterproof Rating	IP67 (as per product features)
Operating Voltage	Vehicle specific fit
Manufacturer Part Number	7823LHB0209US

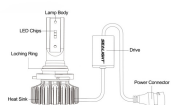
## 9. WARRANTY AND SUPPORT

SEALIGHT products are built with quality and reliability in mind. For specific warranty information regarding your SEALIGHT X1 HB3/9005 LED bulbs, please refer to the warranty card included with your purchase or visit the official SEALIGHT website.

For technical support, troubleshooting assistance, or any inquiries, please contact SEALIGHT customer service through their official channels. You can often find contact information on the product packaging or on the [SEALIGHT Amazon Store](#).



### Related Documents



www.sealight-led.com      support@sealight-led.com



[www.sealight-led.com](http://www.sealight-led.com)

ort@sealight-led.com

- SEALIGHT LED Headlight Bulbs (pair)

- SEALIGHT LED Headlight Bulb(1 pair)
- Double Sided Tape x 2

PRODUCT SPECIFICATIONS	
Operating Voltage	

Operating Voltage	DC12V
Waterproof Rating	IP67
LED Component	CSP
Heat Sink Material	5052 Aluminum
Cooling	Aluminum HeatSink
Color Temperature	5000K-6500K
Operating Temperature	-40℃ ~ +85℃

1. Removing The original rubber cover and original bulb.

- Remove the rubber cover (if present).



**2. Insert the bulb into the light housing.**




3. While pressing down the LED bulb, turn it clockwise until it does not turn anymore and then lock the LED bulb in place.



4 Connect the LED bulb's connector with the original vehicle connector.

**INSTALLATION VIDEO**  
Search "SEALKIT Lighting" on YouTube to



### TROUBLESHOOTING

The lights do not work properly

One of the bulbs is not lighting

The lights flicker or flash

A warning lamp appears on the vehicle's system indicator

- Check if the power connections are properly connected, and make sure that the vehicle's headlight circuit is in the "ON" position.
- Make sure that the vehicle has enough battery to supply power to the LEDS.
- Install the LEDS bulbs with the resistors (CANBUS).

Make sure the connection is correct. If one of the LEDS doesn't work, the other LEDS will not light up and the system will be blocked. If this problem cannot be resolved, it may be caused by the vehicle's light resistance.


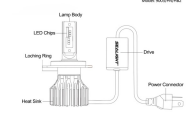
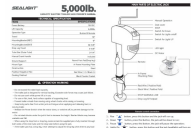

Install the LEDS bulbs with the resistors (CANBUS) to resolve the issue.

This is a harmless side effect of the low-voltage LEDS that will not be recognized by the vehicle's system and can be removed with the installation of an additional resistor.

[www.sealight-led.com](http://www.sealight-led.com)

support@sealight-led.com

User manual for the SEALIGHT LED Headlight Kit, including product specifications, installation instructions, and troubleshooting tips.

<div data-bbox="113 96 304 293">  <p><b>SEALIGHT™</b> LED HEADLIGHT KIT User Manual</p> <p>Model: 9003/H4/HB2</p> </div> <div data-bbox="113 293 304 405">  </div> <div data-bbox="113 405 304 517"> <p><b>CUSTOMER SERVICE</b></p> <p>www.sealight-led.com    support@sealight-led.com</p> <p>www.sealight-led.com    support@sealight-led.com</p> </div> <div data-bbox="113 517 304 562"> <p><b>PACKAGE CONTENTS</b></p> <ul style="list-style-type: none"> <li>• SEALIGHT LED Headlight Bulbs (pair)</li> <li>• 1x Lens Body</li> <li>• 1x Lens</li> <li>• 1x Power Connector</li> </ul> </div> <div data-bbox="113 562 304 674"> <p><b>PRODUCT SPECIFICATIONS</b></p> <table border="1"> <tr><td>Operating Voltage</td><td>DC12V</td></tr> <tr><td>Waterproof Rating</td><td>IP67</td></tr> <tr><td>LED Component</td><td>COB</td></tr> <tr><td>Heat Sink Material</td><td>Aluminum</td></tr> <tr><td>Coating</td><td>Anti-rust</td></tr> <tr><td>Color Temperature</td><td>6000K-6500K</td></tr> <tr><td>Operating Temperature</td><td>-40°C ~ +85°C</td></tr> </table> </div> <div data-bbox="113 674 304 1032"> <p><b>INSTALLATION - H4</b></p> <ol style="list-style-type: none"> <li>Remove the original bulb from the headlight housing.</li> <li>Push down the bulb spring to release it. 1) Take out the original bulb.</li> <li>Insert the LED bulb into the headlight housing. 2) Push down the bulb spring to release it. 3) Take out the original bulb.</li> <li>Insert the LED bulb into the headlight housing. 5) Push down the bulb spring to release it. 6) Take out the original bulb.</li> <li>Insert the LED bulb into the headlight housing. 7) Push down the bulb spring to release it. 8) Take out the original bulb.</li> <li>Insert the LED bulb into the headlight housing. 9) Push down the bulb spring to release it. 10) Take out the original bulb.</li> <li>Insert the LED bulb into the headlight housing. 11) Push down the bulb spring to release it. 12) Take out the original bulb.</li> <li>Insert the LED bulb into the 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to find our step-by-step installation video.</p> <p><b>TROUBLESHOOTING</b></p> <table border="1"> <tr> <td>The light is not working properly.</td> <td>1. Check if the power connection is properly connected and make sure the LED headlight is in the "ON" position. 2. Check the LED bulb is properly inserted into the headlight housing. 3. Check the LED bulb is not damaged.</td> </tr> <tr> <td>One of the bulbs is not working.</td> <td>Make sure the LED bulb is not damaged. If one of the bulbs is not working, replace the LED bulb with the original bulb.</td> </tr> <tr> <td>The light flicker or flash.</td> <td>Check the LED bulb is not damaged. If the LED bulb is not working, replace the LED bulb with the original bulb.</td> </tr> <tr> <td>A warning light appears on the vehicle's dashboard.</td> <td>There is a warning light on the dashboard. This is a normal phenomenon. It is caused by the LED headlight's high brightness. It will disappear after a few minutes.</td> </tr> </table> <p>www.sealight-led.com    support@sealight-led.com</p> </div>	Operating Voltage	DC12V	Waterproof Rating	IP67	LED Component	COB	Heat Sink Material	Aluminum	Coating	Anti-rust	Color Temperature	6000K-6500K	Operating Temperature	-40°C ~ +85°C	The light is not working properly.	1. Check if the power connection is properly connected and make sure the LED headlight is in the "ON" position. 2. Check the LED bulb is properly inserted into the headlight housing. 3. Check the LED bulb is not damaged.	One of the bulbs is not working.	Make sure the LED bulb is not damaged. If one of the bulbs is not working, replace the LED bulb with the original bulb.	The light flicker or flash.	Check the LED bulb is not damaged. If the LED bulb is not working, replace the LED bulb with the original bulb.	A warning light appears on the vehicle's dashboard.	There is a warning light on the dashboard. This is a normal phenomenon. 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<div data-bbox="113 1308 304 1435">  <p><b>SEALIGHT™</b> 5,000lb Electric Trailer Jack Owner's Manual</p> </div> <div data-bbox="113 1435 304 1547">  </div> <div data-bbox="113 1547 304 1570"> <p>www.sealight-led.com    support@sealight-led.com</p> </div>	<div data-bbox="343 1379 992 1408" data-label="Section-Header"> <h2>SEALIGHT 5,000 lb Electric Trailer Jack Owner's Manual</h2> </div> <div data-bbox="343 1420 1455 1491" data-label="Text"> <p>Comprehensive owner's manual for the SEALIGHT 5,000 lb electric trailer jack, detailing technical specifications, main parts, operation warnings, and remote control usage.</p> </div>																						