

SEALIGHT 5202/5201/PS24W

SEALIGHT 5202 LED Fog Light Bulbs User Manual

Model: 5202/5201/PS24W

1. INTRODUCTION

Thank you for choosing SEALIGHT LED Fog Light Bulbs. This manual provides essential information for the proper installation, operation, and maintenance of your new fog light bulbs. Please read this manual thoroughly before installation to ensure optimal performance and safety.



Image: Two SEALIGHT 5202 LED fog light bulbs with their packaging, illustrating the product included in the package.

2. PACKAGE CONTENTS

- 2 x SEALIGHT 5202 LED Fog Light Bulbs

3. PRODUCT FEATURES

The SEALIGHT 5202 LED Fog Light Bulbs are designed to provide enhanced visibility and durability for various driving conditions.

- **High Brightness:** Equipped with advanced 5530 CSP Chips, delivering 12000LM of 6500K cool white light for strong penetration in fog and rain.
- **Extended Lifespan:** Constructed with a 6063 aviation aluminum body and a high-temperature anti-aging rubber ring, ensuring an operating life of over 50,000 hours.
- **Easy Installation:** Features an all-in-one mini size, 1:1 compact design compared to original halogen bulbs, and a non-polarity plug-n-play setup for quick installation.
- **IP68 Waterproof Rating:** Superior water-proof properties prevent damage from water, allowing reliable

function in various hostile weather conditions.

- **Wide Compatibility:** Canbus-ready and non-polarity design, compatible with 99% of vehicle systems and bulb types 5202, 5201, PS19W, and PS24W.



Image: A detailed view of the SEALIGHT LED fog light bulb, emphasizing its key specifications such as 6500K cool white color temperature, IP68 waterproof rating, 5530 CSP chips, and 24-watt power consumption.

Image: An exploded diagram illustrating the internal components of the SEALIGHT LED fog light bulb, highlighting the 5530 CSP LED Chips, the Aviation Aluminum Heat Sink Base for heat dissipation, and the Heat-resistant Plastic Plug.

Image: A comparative chart detailing the performance metrics of SEALIGHT F1S LED bulbs versus traditional halogen bulbs, covering aspects like brightness (10000LM vs 1500LM), lifespan (50000 HRS vs 500 HRS), waterproof level (IP68 vs None), warm-up time (<0.1S vs >1S), and color temperature (6500K vs 3500K).

4. COMPATIBILITY CHECK

Before installation, it is crucial to verify that these LED fog light bulbs are compatible with your vehicle. You can check your vehicle's owner's manual or the original bulb's part number to confirm the model (5202/5201/PS19W/PS24W).

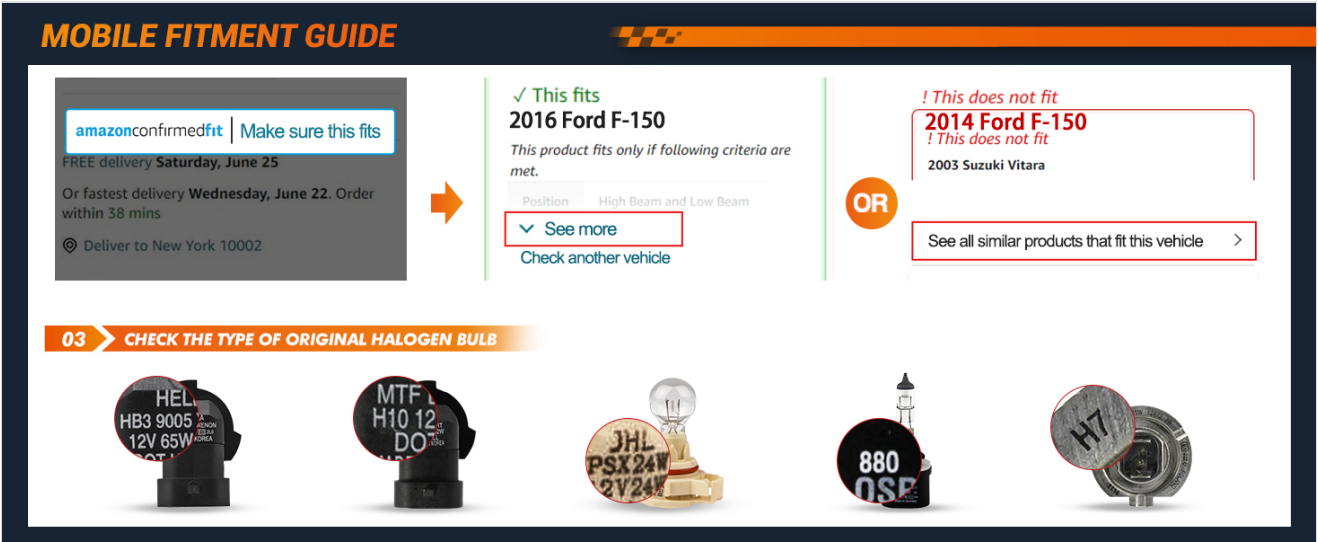


Image: A visual guide demonstrating how to confirm vehicle compatibility for fog light bulbs, including checking online fitment guides and identifying the type of the original halogen bulb (e.g., H11, H10, 880, H7).

5. INSTALLATION GUIDE (SETUP)

The SEALIGHT LED fog light bulbs are designed for a quick and easy plug-and-play installation. Please follow these steps:

- Step 1: Access the Fog Light Housing.** Locate your vehicle's fog light assembly. Depending on your vehicle model, you may need to remove fender liners or other components to gain access.
- Step 2: Remove the Original Bulb.** Disconnect the electrical connector from the original halogen bulb. Then, carefully twist or unclip the old bulb from its housing and remove it.
- Step 3: Install the LED Bulb.** Insert the new SEALIGHT LED fog light bulb into the housing. Ensure it is seated correctly and securely. The non-polarity design means it can be inserted in either orientation.
- Step 4: Connect the Electrical Connector.** Reconnect the vehicle's electrical connector to the new LED bulb. Ensure a snug and secure connection.
- Step 5: Test the Lights.** Turn on your vehicle's fog lights to ensure they are functioning correctly before reassembling any removed components.

Image: A visual representation of the 5-minute plug-and-play installation process. Step 1 shows inserting the LED bulb into the housing, Step 2 shows twisting the bulb to secure it, and Step 3 shows connecting the electrical plug.

6. OPERATING INSTRUCTIONS

Once installed, operating your SEALIGHT LED fog light bulbs is straightforward:

- Turn on your vehicle's fog lights using the standard controls in your vehicle.
- The LED bulbs will illuminate instantly, providing bright, cool white light for improved visibility in adverse weather conditions such as fog, rain, or snow.



Image: A graphic illustrating the effectiveness of the fog lights in various challenging weather conditions, including dusty roads, heavy rain, dense fog, and snowy environments, indicating reliable performance from -104°F to +248°F.

7. MAINTENANCE

SEALIGHT LED fog light bulbs are designed for long-term, maintenance-free operation. However, general care can help ensure their longevity:

- Periodically inspect the bulbs and their connections for any signs of damage or loose wiring.
- Keep the lens of your fog light assembly clean from dirt, mud, or debris to maintain optimal light output.
- Avoid using harsh chemicals or abrasive materials when cleaning the light assembly, as this may damage the lens.

8. TROUBLESHOOTING

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

- **Bulbs Not Lighting Up:**
 - Ensure the electrical connectors are securely attached.
 - Verify that the vehicle's fog light fuse is not blown.
 - Although the bulbs are non-polarity, double-check the connection.
- **Flickering or Error Messages on Dashboard:**
 - While these bulbs are Canbus-ready for 99% of vehicles, some sensitive vehicle systems may still require an additional CANbus decoder to prevent flickering or error messages. If this occurs, contact SEALIGHT support for assistance.
- **Dim Light Output:**
 - Ensure the fog light lens is clean and free from obstructions.
 - Verify that the bulbs are correctly seated in the housing.



Image: A comparison showing a vehicle dashboard with the SEALIGHT F1S LED bulb installed, displaying no error indicator, contrasted with a dashboard showing an error indicator when another brand's bulb is used, highlighting the CANbus-ready feature.

9. SPECIFICATIONS

Specification	Value
Brand	SEALIGHT

Specification	Value
Model Number	5202/5201/PS24W
Specific Uses For Product	Fog Lights
Brightness	12000 Lumen
Color Temperature	6500K Cool White
Power	24 Watt
Operating Life	50,000 Hours
Waterproof Rating	IP68
Housing Material	6063 Aviation Aluminum
Automotive Fit Type	Universal Fit
Item Weight	3.52 ounces
Package Dimensions	6.06 x 4.69 x 1.26 inches

10. WARRANTY AND SUPPORT

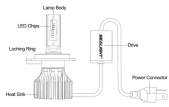
SEALIGHT products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the warranty card included with your purchase or visit the official SEALIGHT website. If you have any questions or require assistance, please contact SEALIGHT customer service. For further information, you may visit the [SEALIGHT Store on Amazon](#).

Related Documents

SEALIGHT™

LED HEADLIGHT KIT

User Manual



CUSTOMER SERVICE

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



PACKAGE CONTENTS

- SEALIGHT LED Headlight Bulbs (pair)
- User Manual x 2
- LED Chips x 2

PRODUCT SPECIFICATIONS

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

INSTALLATION - H4

1. Disconnect the vehicle's battery and remove the original bulb.
2. Push down the bulb spring to release it. 3. Take out the original bulb.



2. Holding the bulb by the heat sink, hold the locking ring (counter-clockwise) until it clicks, and then remove it.



3. Install the locking ring to the vehicle's light housing and fix it in place using the original spring.



4. Put the original bulb into the light housing and fix it in place using the original spring.



5. While pressing the bulb down, turn it clockwise until it clicks and then remove it.



6. Connect the LED bulb connector with the original vehicle connector.



TROUBLESHOOTING

The light is not working properly.	1. Check if the power connection is properly connected and if the LED bulb is properly installed in the "H4" position. 2. Check if the LED bulb is properly installed in the "H4" position. 3. Check if the LED bulb is properly installed in the "H4" position.
One of the bulbs is not working.	Make sure the LED bulb is properly installed in the "H4" position. Check if the LED bulb is properly installed in the "H4" position. Check if the LED bulb is properly installed in the "H4" position.
The light flicker or flash.	Check if the LED bulb is properly installed in the "H4" position. Check if the LED bulb is properly installed in the "H4" position. Check if the LED bulb is properly installed in the "H4" position.
A warning light appears on the dashboard.	Check if the LED bulb is properly installed in the "H4" position. Check if the LED bulb is properly installed in the "H4" position. Check if the LED bulb is properly installed in the "H4" position.

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

SEALIGHT LED Headlight Kit 9003/H4/HB2 User Manual

User manual for the SEALIGHT LED Headlight Kit (Model 9003/H4/HB2), providing installation instructions, product specifications, and troubleshooting tips for optimal vehicle lighting.

