

OQ-32651310605-003

Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lenses

Model: 8.0ST Mini (Part Number: OQ-32651310605-003)

Brand: Generic

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lenses. These lenses are designed to upgrade your vehicle's headlight system, offering improved light output and beam pattern. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Figure 1: Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lenses with Black Shrouds. This image displays the two Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lenses, each equipped with a black shroud. The lenses feature a chrome reflector bowl and a clear projector lens, ready for installation.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Headlight retrofitting involves working with electrical systems and opening headlight assemblies. If you are not experienced, professional installation is strongly advised.
- **Electrical Safety:** Disconnect the vehicle's battery before beginning any electrical work. Ensure all connections are secure and properly insulated to prevent short circuits.
- **Heat Warning:** HID bulbs and projector lenses generate significant heat. Allow components to cool before handling.
- **Eye Protection:** Always wear appropriate eye protection when working with tools and vehicle components.
- **Legal Compliance:** Ensure that the installation and use of these projector lenses comply with all local and national vehicle lighting regulations.

3. PACKAGE CONTENTS

Please verify that all components are present and undamaged upon opening the package:

- 2 x Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lenses
- 2 x Black Shrouds
- Mounting Hardware (e.g., H4/H7 adapter plates, rubber gaskets, lock rings)

4. SPECIFICATIONS

Feature	Description
Model Name	8.0ST Mini
Part Number	OQ-32651310605-003
Lens Size	2.5 Inch
Socket Type (Bulb)	H1 (for HID bulbs)
Compatibility (Headlight Housing)	H4, H7, 9005, 9006 (with included adapters)
Item Type	Lens (Projector)
Usage	Retrofit
Wattage	35W (typical for compatible HID bulbs)
Certification	CE



Figure 2: Sinolyn 8.0 Bi-Xenon Lens Features Diagram. A detailed diagram highlighting the key features of the 8.0 Bi-Xenon lens. It points out the strong magnetic solenoid for high beam shutter control, the high-clarity glass lens for improved light penetration, and the high-performance 8.0 reflector design for wider and further light output compared to standard 2.5-inch H1 projectors.



Figure 3: Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lens Dimensions. A technical diagram illustrating the precise dimensions of the Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lens. Key measurements include a total length of 115mm, a lens diameter of 76mm, and a mounting depth of 93mm, with a 15mm extension from the mounting surface.



Figure 4: Comparison of Standard vs. Upgrade 8.0 Sinolyn Projector Lenses and Beam Patterns. This image provides a visual comparison between a standard 2.5-inch H1 projector and the upgraded 8.0 2.5-inch H1 projector. It also includes a comparison of their respective beam patterns, demonstrating the enhanced light distribution and clarity offered by the 8.0 version.

5. INSTALLATION GUIDE (SETUP)

This section outlines the general steps for retrofitting the Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lenses into your vehicle's headlights. Specific steps may vary depending on your vehicle model.

5.1. Pre-Installation Checks

1. Ensure your vehicle's battery is disconnected.
2. Verify that all package contents are present and undamaged.
3. Confirm compatibility with your vehicle's headlight housing (H4, H7, 9005, or 9006).

5.2. Headlight Disassembly

1. Remove the headlight assemblies from your vehicle.
2. Carefully open the headlight housing. This often involves heating the sealant in an oven or with a heat

gun to soften it.

3. Remove the original reflector bowl and any existing bulbs.

5.3. Projector Mounting

1. Insert the Sinolyn projector lens into the headlight's bulb opening from the front.
2. Select the appropriate adapter plate (H4, H7, 9005, or 9006) and place it over the projector's threaded shaft from the rear of the headlight.
3. Secure the projector with the rubber gasket and lock ring, ensuring it is centered and firmly seated.
4. Attach the black shroud to the front of the projector lens.

5.4. Wiring the Bi-Xenon Solenoid

1. The projector features a solenoid for the bi-xenon (high beam) function. Connect the solenoid wires to your vehicle's high beam circuit. This typically involves tapping into the high beam signal wire.
2. Ensure all electrical connections are properly insulated and secured.

5.5. Reassembly and Alignment

1. Install your H1 HID bulbs into the projector lenses.
2. Reseal the headlight assemblies using appropriate sealant.
3. Reinstall the headlight assemblies into your vehicle.
4. Reconnect the vehicle's battery.
5. Perform headlight alignment according to local regulations to ensure proper beam height and spread, preventing glare for oncoming traffic.

HOW IT LOOKS LIKE ?



Figure 5: Examples of Sinolyn Projector Lenses Installed in Vehicle Headlights. This collage shows various examples of the Sinolyn projector lenses successfully installed into different vehicle headlight assemblies, demonstrating the integrated appearance after a retrofit.

6. OPERATION

Once installed, the Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lenses will function as follows:

- **Low Beam:** The projector provides a sharp, wide, and evenly distributed low beam pattern for regular driving.
- **High Beam:** When the high beam is activated, the integrated solenoid moves a cutoff shield within the projector, allowing the full light output of the HID bulb to project, creating a powerful high beam.

7. MAINTENANCE

To ensure optimal performance and longevity of your projector lenses:

- **Cleaning:** Periodically clean the exterior of your headlight lenses to maintain maximum light output. Use a soft cloth and mild cleaning solution. Avoid abrasive cleaners.
- **Inspection:** Regularly inspect the wiring and connections for any signs of wear, corrosion, or damage.
- **Bulb Replacement:** If an HID bulb fails, replace it with a compatible H1 HID bulb of the correct wattage

(typically 35W).

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Projector does not light up	Loose wiring, faulty HID bulb/ballast, incorrect power connection.	Check all wiring connections. Test HID bulb and ballast. Ensure proper power supply.
High beam function not working	Solenoid wiring issue, faulty solenoid.	Verify solenoid wiring connections to the high beam circuit. Inspect solenoid for damage.
Uneven light output or flickering	Loose bulb, faulty ballast, projector not seated correctly.	Ensure HID bulb is firmly seated in the projector. Check ballast connections. Re-seat projector if necessary.

9. WARRANTY INFORMATION

This product comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product is free from material and workmanship flaws under normal use.

The warranty does not cover damage resulting from improper installation, misuse, accidents, modifications, or normal wear and tear.

10. CUSTOMER SUPPORT

Should you encounter any issues with your Sinolyn 2.5 Inch 8.0 Bi Xenon Projector Lenses, such as damaged or incorrect products, please do not hesitate to contact us through the Amazon platform. Our customer support team is committed to providing the best solution and will respond to your inquiries within 24 hours.