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› Sinolyn 40000LM 35W D5S D5R LED Canbus Headlight Bulbs User Manual

Sinolyn D5S D5R

Sinolyn 40000LM 35W D5S D5R LED Canbus Headlight Bulbs User Manual

Model: D5S D5R

1. INTRODUCTION

Thank you for choosing Sinolyn LED Canbus Headlight Bulbs. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new LED headlight bulbs. Please read this manual thoroughly before installation and retain it for future reference.

These LED bulbs are designed to provide superior illumination with a color temperature of 6000K, offering a bright white light. They feature a Canbus-compatible design to prevent error messages in most modern vehicles and are engineered for a long operational lifespan.

2. SAFETY INFORMATION

Always observe the following safety precautions:

- Ensure the vehicle's engine is off and the ignition is switched off before beginning any installation or maintenance.
- Disconnect the vehicle's battery to prevent electrical shorts or injury.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Avoid touching the LED chips directly, as oils from your skin can reduce their lifespan.
- If you are unsure about any part of the installation process, consult a qualified automotive technician.
- Dispose of old bulbs responsibly according to local regulations.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Sinolyn D5S D5R LED Headlight Bulbs (2 units)
- User Manual (this document)



Figure 3.1: Sinolyn D5S D5R LED Headlight Bulbs. This image displays the two LED headlight bulbs, highlighting their 70W power, Canbus compatibility, and plug-and-play design.

4. SETUP AND INSTALLATION

The Sinolyn D5S D5R LED headlight bulbs are designed for a non-destructive, plug-and-play installation, directly replacing your original D5S or D5R HID bulbs. No re-wiring is typically needed. However, always refer to your vehicle's owner's manual for specific headlight bulb replacement procedures.

4.1 Installation Steps

1. **Preparation:** Park your vehicle on a level surface, turn off the engine, and engage the parking brake. Allow the headlights to cool down if they have been recently used.
2. **Access Headlight Assembly:** Open the hood and locate the back of the headlight assembly. Depending on your vehicle model, you may need to remove covers or other components to gain access.
3. **Disconnect Power:** Carefully disconnect the electrical connector from the existing D5S/D5R HID bulb.
4. **Remove Old Bulb:** Unclip or twist to remove the old D5S/D5R HID bulb from its housing. Handle the old bulb by its

base to avoid touching the glass.

5. **Install New LED Bulb:** Insert the Sinolyn D5S D5R LED bulb into the headlight housing. Ensure it is seated correctly and securely. The non-destructive design allows direct plug-in to the original ballast.
6. **Connect Power:** Connect the electrical connector to the new LED bulb. Ensure a secure connection.
7. **Test Functionality:** Turn on your vehicle's headlights to verify that the new LED bulbs are functioning correctly. Check both low and high beams (if applicable) and ensure no dashboard error messages appear.
8. **Reassemble:** Reattach any covers or components that were removed during the access phase.

NON-DESTRUCTIVE DESIGN

DIRECTLY PLUG INTO THE CAR ORIGINAL BALLASTS, NO RE-WIRING NEEDED. WILL NOT AFFECT THE NORMAL USING OF CARS' ORIGINAL AFS SYSTEM OR AUXILIARY FUCTIONS.

Canbus Error Free
No error will be reported when you plug it in original ballast

Anti-interference IC
Minimize the interference with other car devices.

Easy Installation
Direct replacement. No re-wiring needed.

PLUG & PLAY DESIGN

ORIGINAL BALLAST

Figure 4.1: Non-Destructive Plug and Play Design. This illustration demonstrates the direct plug-in installation of the LED bulb into the original ballast, highlighting its Canbus error-free and anti-interference features.

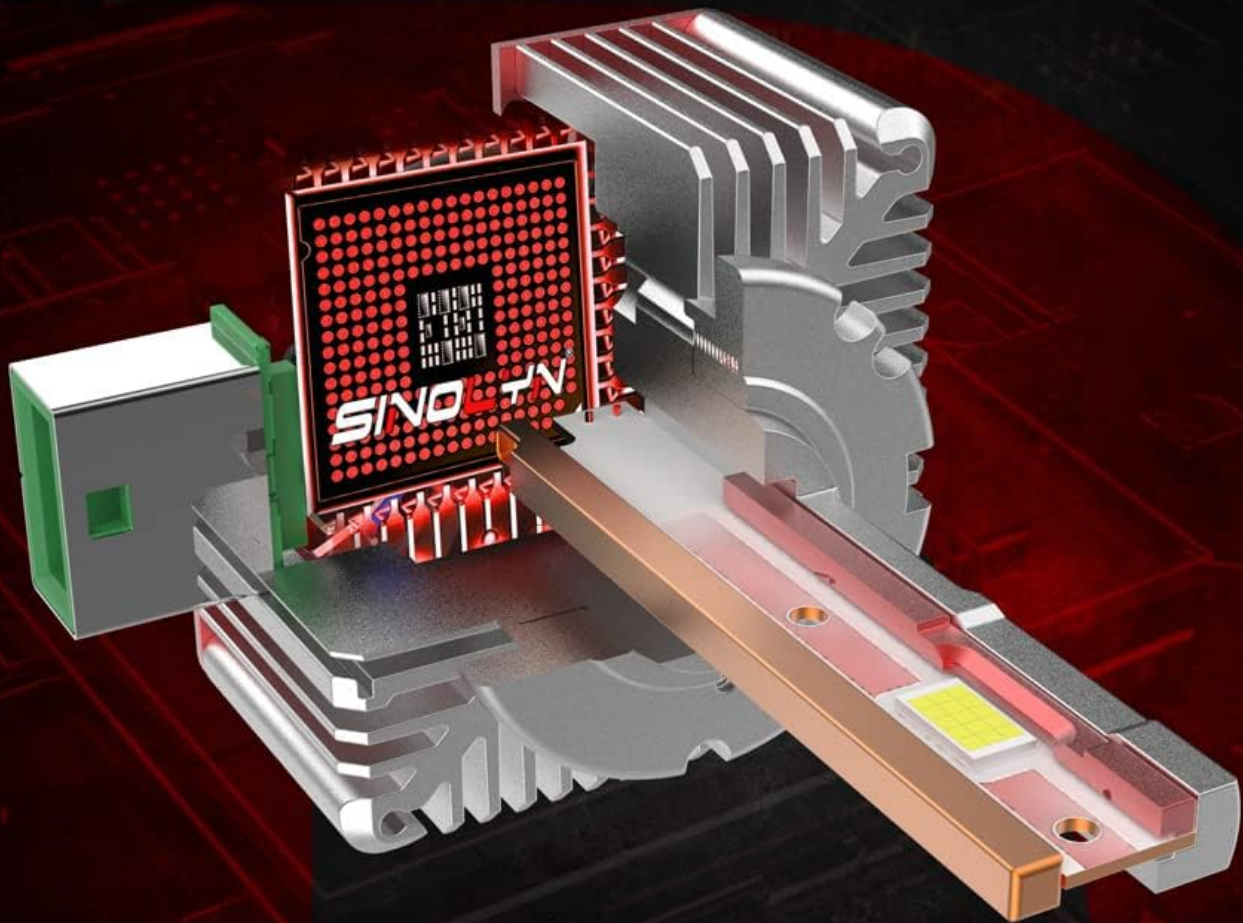
4.2 Canbus Compatibility

These LED bulbs feature an intelligent decoding system and anti-interference IC, designed to be Canbus error-free. This means they are engineered to work with your vehicle's electrical system without triggering dashboard warning lights or flickering, which can be common with aftermarket LED installations.

CUSTOMIZE YOUR LUXURY CAR CONFIGURATION

INTELLIGENT DECODING

Stable performance, fast decoding, fits for 99% car models.
Intelligent temperature control, stable anti-interference, no lights error.



580% Brighter
then original HID lamps

0.1 Second
Instant Start Up

50% UP
Heat dissipation speed

30,000 h
Long-lasting life span

Figure 4.2: Intelligent Decoding and Lifespan. This image illustrates the intelligent decoding chip, emphasizing stable performance, fast decoding, and a long-lasting life span of 30,000 hours.

5. OPERATING INSTRUCTIONS

Once installed, the Sinolyn D5S D5R LED headlight bulbs operate like your vehicle's original headlights. Simply turn on your vehicle's lighting system as usual.

- **Instant Start-Up:** These LED bulbs provide nearly instant full brightness (0.1 second start-up), unlike traditional HID bulbs that require a warm-up period.
- **Brightness and Color:** Experience a 580% brightness boost compared to original HID Xenon lamps, with a consistent 6000K white light output.
- **Heat Management:** The integrated cooling system, featuring a powerful 8000 RPM TurboCool fan and cold-pressed aluminum heat sink, ensures optimal performance and longevity by maintaining a cooler operating temperature.

HIGH POWER
70W
In line with the output power of the original car circuit

580% BRIGHTER THEN ORIGINAL HID XENON LAMPS
BRIGHTNESS BOOST

- ▶ Equipped with high quality automotive-grade LED chips
- ▶ Fully concentrate the lights to get powerful lights output
- ▶ Brightness does not decrease after long-time using
- ▶ Even light distribution, better penetration power

CERAMIC SUBSTRATE LAMP BEADS
The heat dissipation performance is more stable

DOUBLE-SIDED SMT TECHNOLOGY
Cavity rate $\leq 5\%$

UPGRADE LED PACKAGING
High temperature-resistance ability

ORIGINAL CAR LIGHT

CANBUS HEADLIGHT SINOLYN®

Figure 5.1: Brightness Boost and LED Technology. This image highlights the 580% brightness boost, high-quality automotive-grade LED chips, ceramic substrate lamp beads, double-sided SMT technology, and upgraded LED packaging for enhanced performance.



Figure 5.2: Advanced Cooling System. This diagram illustrates the internal cooling components, including the ASIC chip driver for heat protection, cold-pressed aluminum heat sink, and an 8000 RPM TurboCool fan, ensuring 50% cooler operation.

6. MAINTENANCE

Sinolyn LED headlight bulbs are designed for minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Regular Inspection:** Periodically check your headlights for proper function. Ensure both bulbs are illuminating correctly.
- **Cleaning:** Keep your vehicle's headlight lenses clean. Use a soft cloth and automotive-approved cleaner to remove dirt and debris that can obstruct light output.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or solvents on the headlight lenses or the LED bulbs themselves.
- **Lifespan:** These LED bulbs have an estimated lifespan of 30,000 hours, significantly longer than traditional halogen or HID bulbs.

7. TROUBLESHOOTING

If you encounter issues with your Sinolyn LED headlight bulbs, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Bulb does not light up	<ul style="list-style-type: none">Loose connectionIncorrect installationBlown fuseDefective bulb	<ul style="list-style-type: none">Check all electrical connections for security.Ensure the bulb is correctly seated in the housing.Inspect vehicle fuses related to headlights and replace if necessary.Contact customer support if the bulb is suspected to be defective.
Flickering or intermittent light	<ul style="list-style-type: none">Unstable power supplyCanbus system incompatibility (rare with this product)	<ul style="list-style-type: none">Ensure connections are tight.While these bulbs are Canbus error-free, some highly sensitive vehicle systems may require additional decoders (not typically needed). Contact support if issues persist.
Dashboard error message	<ul style="list-style-type: none">Vehicle's Canbus system detecting a non-standard bulb (rare)	<ul style="list-style-type: none">These bulbs are designed to be Canbus error-free. If an error occurs, double-check installation. If the problem persists, contact customer support.

If you experience any issues not listed here or if the suggested solutions do not resolve the problem, please contact Sinolyn customer support for assistance.

8. SPECIFICATIONS

Feature	Detail
Model	D5S D5R
Wattage	70W/pair (35W per bulb)
Lumen Output	40000LM/pair (20000LM per bulb)
Color Temperature	6000K (Cool White)
Voltage	12V
Lighting Source	High Power LED Chips
Material	Aviation 6063 Aluminum
Lifespan	>30,000 hours
Certification	CE

9. WARRANTY AND SUPPORT

Warranty: Sinolyn provides a 12-month warranty for all products from the date of purchase. This warranty covers manufacturing defects and ensures the product performs as described under normal use.

Customer Support: If you encounter any issues with your product, such as receiving a damaged item or incorrect product, or if you require technical assistance, please do not hesitate to contact us. You can send us a message through the platform where you purchased the product. Our support team aims to reply within 24 hours.

We are committed to providing high-quality products and excellent customer service.

