

CHOPDARK D2H HUI

CHOPDARK D2H LED Bulbs Instruction Manual

MODEL: D2H HUI

1. Introduction

Thank you for choosing CHOPDARK D2H LED Bulbs. This instruction manual provides essential information for the proper installation, operation, and maintenance of your new LED bulbs. Please read this manual thoroughly before installation to ensure safe and optimal performance.

2. Safety Information

- Always disconnect the vehicle's battery before attempting any electrical installation to prevent electric shock or damage to the vehicle's electrical system.
- Handle LED bulbs with care. Avoid touching the LED chips directly.
- Ensure proper ventilation around the bulb's radiator. Due to the large radiator at the rear of this D2H LED bulb, some vehicles may require an extended dust cover for proper fitment and heat dissipation. Failure to provide adequate space can lead to overheating and reduced lifespan.
- While these bulbs are CANbus-ready for most vehicles, certain special vehicle models may still require additional CANbus decoders, error eliminators, or resistors to prevent flickering or dashboard warnings.
- Do not look directly into the illuminated LED bulb, as the intense light can cause eye strain or damage.

3. Product Overview

The CHOPDARK D2H LED Bulbs are designed for superior illumination and durability.



Figure 3.1: Overview of CHOPDARK D2H LED Bulbs, highlighting their design and internal heat dissipation components.

Key Features:

- **Super Bright Illumination:** Equipped with the latest 3570 Big size LED chips (2x6 large particles), providing 110W (55W per bulb) and 30000Lm (15000Lm per bulb) of 6500K cool white light.
- **Advanced Cooling System:** Features a multi-stage cooling design including a thermally conductive copper tube, pure copper substrate, aviation aluminum body, and a high-speed fan for rapid heat removal, ensuring a long lifespan.
- **CANbus-Ready Design:** Built-in high-power smart driver for direct 12V power connection, compatible with 90% of

vehicles to prevent flickering or dashboard errors.

- **Durable and Protective:** IP68 rated for waterproof, dustproof, cold proof, and high-temperature resistance, ensuring reliable performance in various weather conditions.

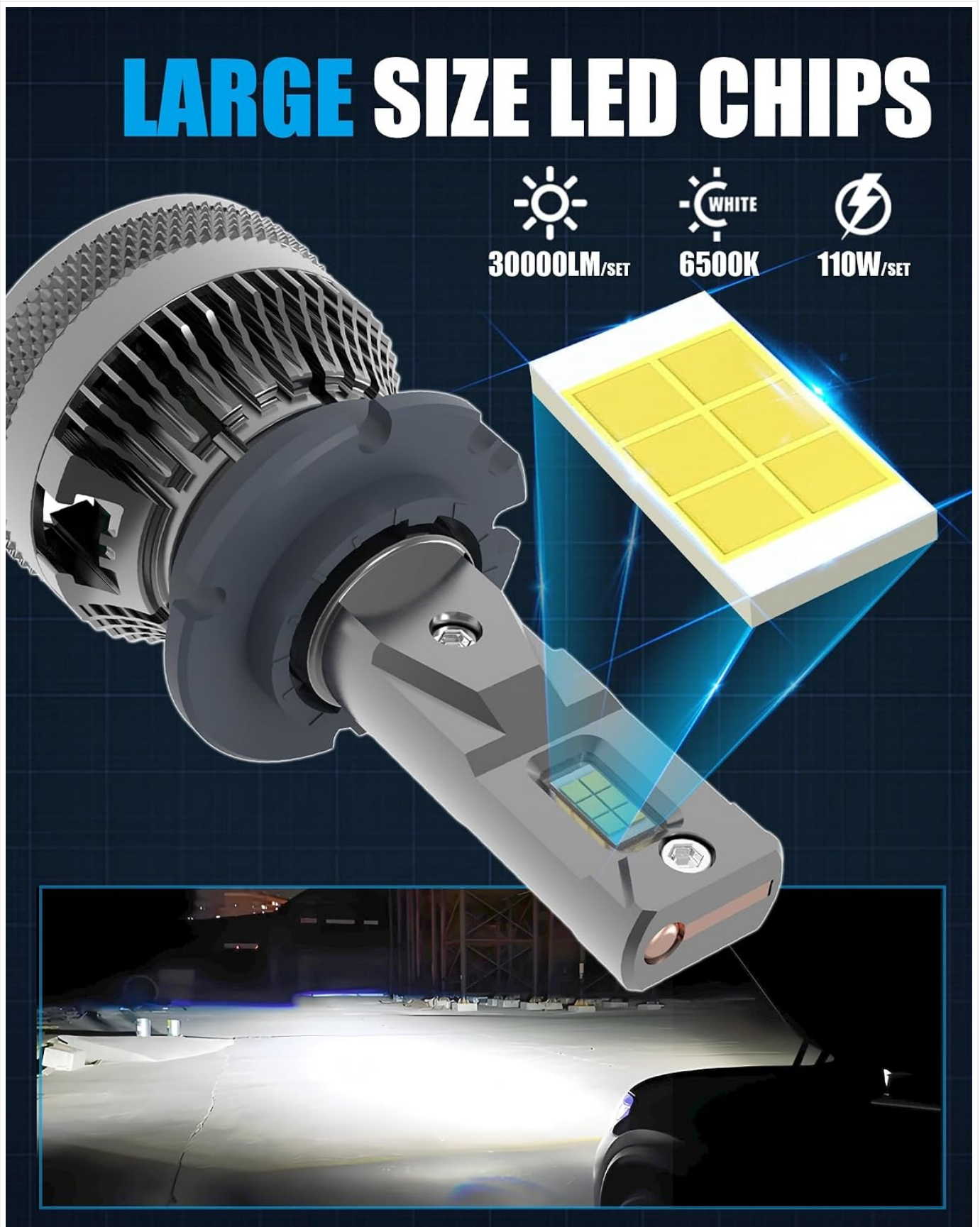
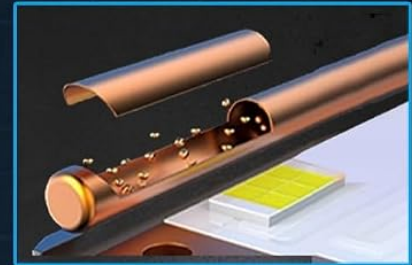


Figure 3.2: Detail of the large size LED chips used in the D2H bulbs, indicating high brightness and cool white light output.

MULTIPLE COOLING SYSTEM

LONG SERVICE LIFE



Thermally Conductive Tube
Fast heat conduction



Fin radiator
Large heat dissipation area



12000 rpm fan
Rapid heat removal



**POWERFUL
PERFORMANCE**

Figure 3.3: Exploded view demonstrating the advanced cooling system for extended service life.

IP68



WATERPROOF

The product has been strictly tested
before leaving the factory.



Waterproof. Dustproof. Cold proof. High temperature resistance.
There will be no problems in all kinds of bad weather.

Figure 3.4: The IP68 protective design ensures the bulb is waterproof, dustproof, and resistant to extreme temperatures.

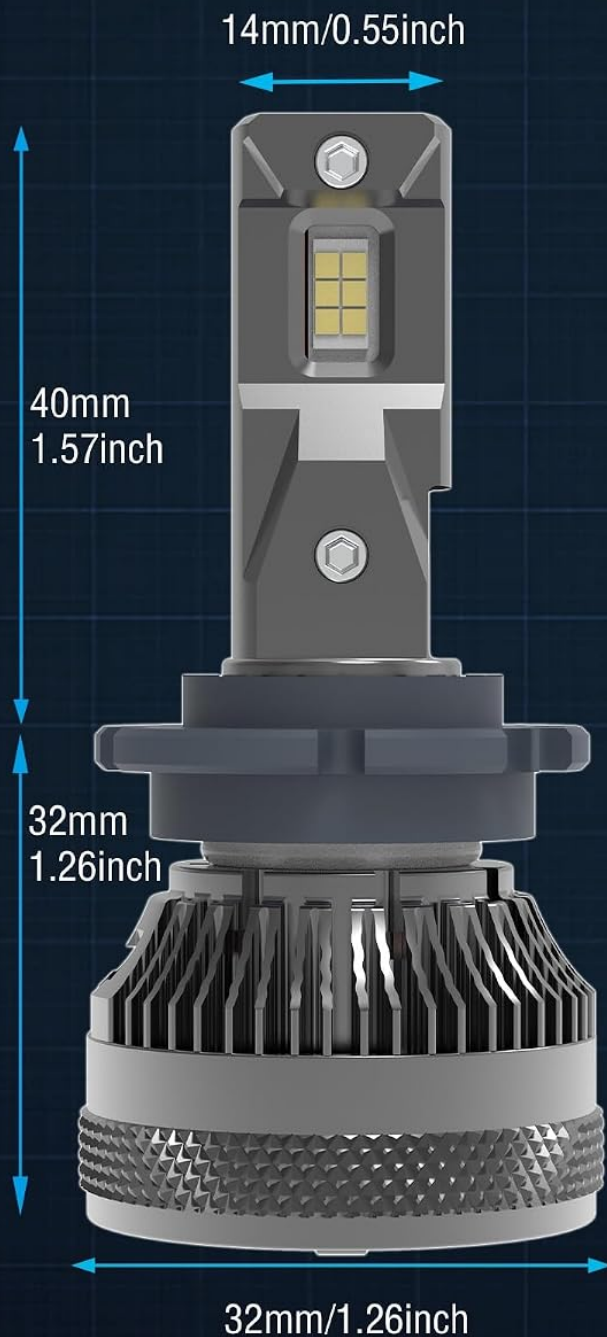
4. Setup and Installation

Proper installation is crucial for the performance and longevity of your LED bulbs. Follow these general steps:

1. **Preparation:** Ensure your vehicle is turned off and the battery is disconnected. Allow existing bulbs to cool down if they were recently in use.

2. **Access the Bulb Housing:** Locate the headlight or fog lamp housing. Depending on your vehicle model, this may require removing other components or accessing from the wheel well.
3. **Remove Old Bulb:** Carefully remove the existing D2H bulb. Disconnect any wiring harnesses.
4. **Install New LED Bulb:** Insert the CHOPDARK D2H LED bulb into the housing. Ensure it is seated correctly and securely. The bulb has an H7 plug, and if you wish to convert it to a customized H7 LED bulb, specific retainers (ASINs: [B09VZDDS8T](#), [B09VZFFQYP](#), [B09VZFH3Z4](#)) may be required.
5. **Connect Wiring:** Connect the LED bulb's wiring harness to your vehicle's power supply. These bulbs are designed to connect directly to a 12V power supply without an external ballast.
6. **Check Clearance:** Verify that there is sufficient space for the bulb's large radiator at the rear. If not, an extended dust cover may be necessary (purchased separately).
7. **Test Functionality:** Reconnect the battery and test the lights before reassembling all components. Check for proper illumination and any dashboard warnings.

PERFECT REPLACEMENT FOR HID/HALOGEN BULBS



The cutting line of the low beam is clear,
High beam lights are more focused,
Meet traffic regulations and drive safer.



Figure 4.1: Dimensions and compatibility for replacement of HID/Halogen bulbs.

CANBUS-READY (NOT 100%)

NOTE: for certain special vehicle models, the CANbus decoders / Error Eliminators / Resistors may be required.



Intelligent Driver



ERROR-FREE (NOT 100%)

Figure 4.2: The intelligent driver helps ensure CANbus compatibility and error-free operation.

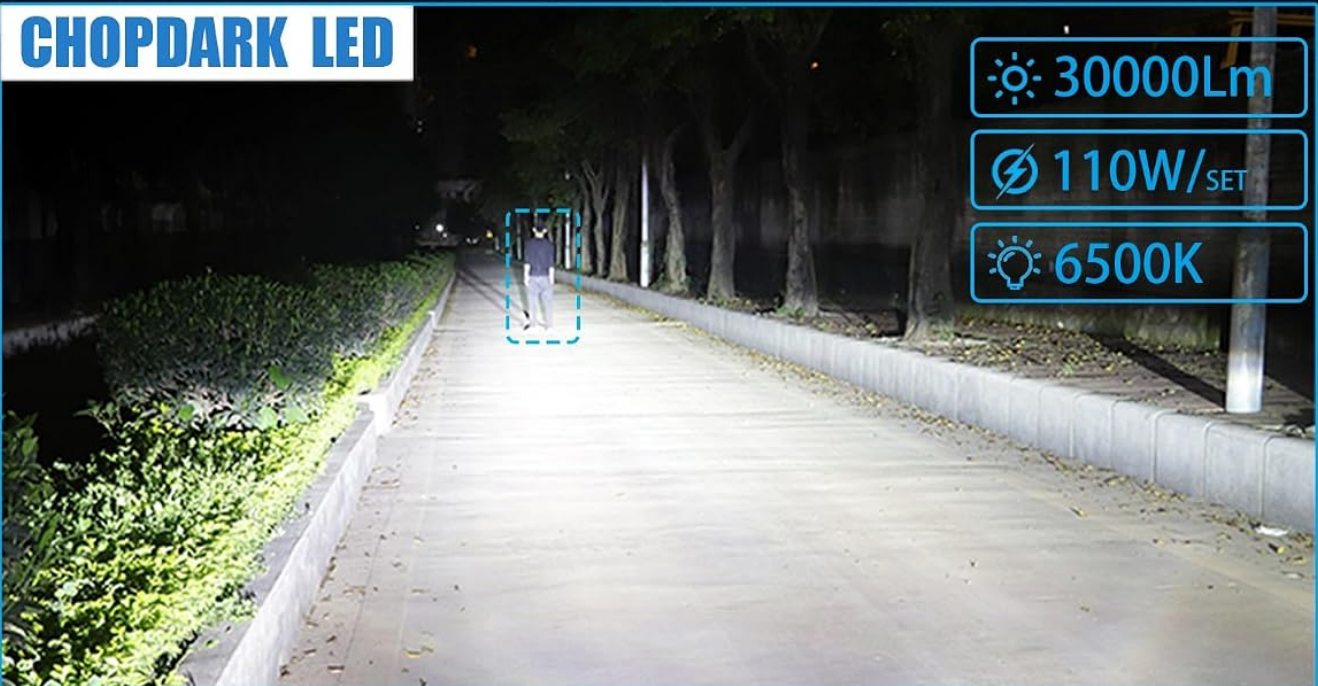
5. Operating Instructions

Once installed, operating your CHOPDARK D2H LED Bulbs is straightforward. They function like your vehicle's original bulbs, providing enhanced brightness and clarity.

- Simply turn on your vehicle's lights as you normally would. The LED bulbs will illuminate instantly.

- The 6500K cool white light provides a clear and bright beam pattern, designed for safe driving.
- Ensure your headlight alignment is correct after installation to maximize visibility and avoid dazzling oncoming drivers.

CHOPDARK LED



☀️ 30000Lm

⚡ 110W/SET

💡 6500K

↑ 600% BRIGHTER THAN ORIGINAL FARTHER WIDER SAFER

ORIGINAL BULB



☀️ 800Lm

⚡ 55W

💡 4300K

Figure 5.1: Visual comparison of light output, highlighting the significant improvement in brightness and coverage.



Figure 5.2: The focused beam pattern ensures optimal road illumination and driver safety.

6. Maintenance

CHOPDARK D2H LED Bulbs are designed for minimal maintenance and a long operating life, thanks to their robust construction and efficient cooling system.

- **Cleaning:** Periodically inspect the bulb's surface and the headlight lens for dirt or debris. Clean with a soft, dry cloth. Avoid abrasive cleaners.
- **Cooling System:** Ensure the fan and radiator fins remain clear of obstructions to allow for proper heat dissipation. Do not block the airflow around the bulb's rear.
- **Lifespan:** The advanced cooling design significantly extends the bulb's operating life, reducing the need for frequent replacements.

7. Troubleshooting

If you encounter issues with your CHOPDARK D2H LED Bulbs, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Bulb Flickering or Dashboard Warning	CANbus incompatibility with specific vehicle models.	Install additional CANbus decoders, error eliminators, or resistors (sold separately).
Bulb Not Lighting Up	Loose connection, incorrect wiring, or insufficient power supply.	Check all electrical connections. Ensure the bulb is properly seated in the housing. Verify 12V power supply.

Problem	Possible Cause	Solution
Poor Beam Pattern or Glare	Incorrect bulb orientation (for flat LED chips) or improper headlight alignment.	Adjust the bulb's rotation within the housing to achieve the correct beam pattern. Perform headlight alignment if necessary.
Reduced Brightness or Overheating	Insufficient space for the radiator or blocked fan.	Ensure adequate clearance around the bulb's radiator. Clear any obstructions from the fan. Consider an extended dust cover if space is limited.

8. Specifications

The following are the technical specifications for the CHOPDARK D2H LED Bulbs:

Feature	Specification
Model	D2H HUI
Wattage	110W per set (55W per bulb)
Brightness	30000Lm per set (15000Lm per bulb)
Color Temperature	6500K Cool White
Voltage	12 Volts
Operating Life	50,000 Hours
Waterproof Rating	IP68
Cooling System	Thermally Conductive Copper Tube, Aviation Aluminum Body, High-Speed Fan
CANbus Compatibility	Built-in smart driver, compatible with 90% of vehicles
Package Contents	2 x D2H LED Bulbs

9. Warranty and Support

For warranty information, technical support, or any inquiries regarding your CHOPDARK D2H LED Bulbs, please refer to the manufacturer's official website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: CHOPDARK

For further assistance, visit the [CHOPDARK Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question