



## High-performance 1000LM LED Car Headlights with FDB Double Ball Bearing Fan for Enhanced Durability

Our Product Introduction

### Basic Information

- Brand Name: TIANJIN TOEC HUADIAN TECHNOLOGY CO., LTD
- Model Number: HDK80



### Product Specification

- Starting Power: 100w/bulb
- Stability Power: 65-70W
- Base Dimension: 35mm
- Lumen: 8500LM/bulb
- Voltage: 9V-30V
- Current: 8.33A
- Lamp Bead: 68mil 3570 Sanan
- Cooling System: Double Copper Pipe+oil Fan
- Highlight: **High-performance LED Car Headlights, 1000LM LED Car Headlights**

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## Product Description

We usually export large quantities to foreign countries. Hope to find more trade partners.

### Product description

Double ball fan

Hydraulic/hydraulic fan

Headlight color temperature

Temperature control system

Decoding principle

EMC anti-interference

### Description:

1000LM high-power series is a brighter, smarter and safer Sanan CSP chip. Dynamic pressure fan FDB, that is, double ball bearing fan: it is a form of rolling friction. Two ball bearings are used. There are several tiny steel balls around the axis. When the fan page or axis rotates, the steel balls follow the rotating heat dissipation technology.

Advantages: Long service life, about 60000-100000 hours, good anti-aging performance, high rotation speed and large air volume. Disadvantages: high manufacturing cost, the loudest noise at the same speed.

Domestic hydraulic fan, the life of the hydraulic fan is about 500 hours. The hydraulic fan is rotated by oil. When the fan rotates, the oil will be thrown out, and the temperature will evaporate if it is too high. Advantages: The average life of the hydraulic fan can reach about 40,000 hours. The hydraulic fan is rotated by oil. When the fan rotates, the oil will be thrown out, and if the temperature is too high, it will also evaporate. Advantages: The service life of the hydraulic fan can reach 40,000 hours, the operating noise is low, and the cost is cheaper than that of the double ball fan. Disadvantages: After a certain period of time, the lubricating oil will evaporate, resulting in wear and reducing service life.

Conventional color temperature: 6500K white light/pure white light Conventional customized color temperature: 3000K yellow, 4300K warm white light 5000K close to white light 8000K close to blue light extreme special customized color temperature: lime, pink, dark blue, etc.

Temperature control system: temperature control system, in which there is a temperature sensor that can detect the temperature control temperature of the lamp body, which can effectively control the temperature within a reasonable range. The temperature will not be too high, and the lamp beads will not burn out. The reasonable temperature value of the headlight is: 110 degrees of the lamp beads. The lamp pole is 80 degrees.

The decoding principle is to increase the current and break through the system's limitations on the voltage setting. So that the car can be used normally without warning. At present, the styles we often sell are all with decoding, but the decoding rate is different, and the decoding rate of cheap models is low.

EMC anti-interference, no interference with radio, no interference with driving computer, no interference with Bluetooth, no interference with navigation. All our drivers have EMC.

### General specifications

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Starting Power	100W/bulb
Stability Power	65-70W
Base Dimension	35mm
Lumen	8500LM/bulb
Voltage	9V-30V
Current	8.33A
Lamp Bead	68mil 3570 Sanan
Cooling System	double copper pipe+oil fan

## EFFECTIVE HEAT TREATMENT SYSTEM

The efficient and reliable cooling system can keep the LED lamp running in the best condition



### Precautions

1. Correct installation: Ensure that the LED headlights are correctly installed on the vehicle and install them according to the manufacturer's instructions. Incorrect installation may cause the headlights to not work properly or be damaged.
2. Legal use: According to local laws and regulations, ensure that the use of LED headlights is legal. The use of LED headlights may be restricted or prohibited in some areas. Please understand the local laws and regulations and abide by them.
3. Adjust the light: Make sure that the light of the LED headlights is adjusted correctly to avoid disturbing other drivers or disturbing the sight of other vehicles. If you need to adjust the light, please follow the manufacturer's instructions.
4. Regular inspection: Regularly check the working status of LED headlights to ensure their normal operation. If any fault or damage is found, it should be repaired or replaced in time.
5. Prevent overuse: Try to avoid the continuous use of LED headlights for a long time. Long-term use may cause overheating, affecting its life and performance.
6. Waterproof and dustproof: Ensure that LED headlights have good waterproof and dustproof performance to protect their internal components. If the LED headlights are flooded or affected by dust, they should be cleaned and repaired in time.
7. Pay attention to maintenance: LED headlights need regular maintenance, including cleaning the lampshade and internal components to maintain their brightness and clarity.

In short, the correct installation, legal use, regular inspection and maintenance of LED car headlights are important considerations to ensure their normal operation and prolong life.

Apply

LED headlights are widely used in automotive lighting systems, including headlights, taillights, brake lights, turn signals, width lights, etc. The following are the specific applications of LED headlights:

1. Headlight: LED headlight has the characteristics of high brightness and long-distance lighting, which can provide better visibility and safety.
2. Taillights: LED taillights have the characteristics of fast response and high brightness, which can improve the recognition of the rear vehicle's braking situation.
3. Brake lights: LED brake lights respond quickly and can quickly emit eye-catching red light to remind rear vehicles to slow down.
4. Turn signal: The LED turn signal has the characteristics of high brightness and fast response, which can improve the visibility of the steering signal.
5. Wide-width lights: LED wide-light is usually installed on the front and rear sides of the vehicle to provide side visibility at night or in bad weather.
6. Daytime running lights: LED daytime running lights can provide vehicle visibility and reduce the risk of traffic accidents during the day.
7. Fog lamp: LED fog lamp has the characteristics of high brightness and wide-angle lighting, which is suitable for providing better lighting effects under low visibility conditions such as foggy days.

In short, LED headlights have the advantages of high brightness, low energy consumption, long life and fast response, and have become the mainstream choice of modern automobile lighting systems.

Frequently asked question

Fans, lamp beads, materials, card positions, drives, and packaging are the main factors affecting product prices.

The 24V headlights need an additional customized drive, and the cost needs to be re-verified.

In addition to the silver/white appearance, H4 makes other colors, and the high beam will illuminate the corresponding color of the lamp body.

Why doesn't H4 make all four light beads light (our conventional practice, if the customer insists on doing it, special notes should be made)

The heat dissipation of aluminum will be better than that of zinc alloy, so why do we make the appearance of zinc alloy now?

The appearance is more beautiful, and it is not easy for others to imitate.

For the driver matching, large drivers are selected for more than 85W. There are too many driver styles. It is recommended to recommend conventional ones to customers.

The customer wants to change the line on the driver.

First, consider whether the thick line of the copper pipe in the line can be used for such a high wattage.

Second, change the color of the line.

Last. It is recommended that customers use regular lines.



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