



# Automotive Masters LLC



## Xenon High Intensity Discharge (H.I.D.) Product Information

### H.I.D. Lamp Advantages:

- Save Power - Consumes only 35 watts of electricity compared to 55 watts for a halogen lamp.
- Longer Life - Lasts up to 3000 hours compared to around 1000 hours for a halogen lamp.
- Safety - Increased brightness by up to 300%.
- Appearance - Luxury, Attractive, and Comfortable.

### What Is H.I.D. Light?

The H.I.D. bulb is a micro-discharge bulb filled with a mixture of primarily xenon gas and other inert gases. It creates a superior bright white light. This special bulb has no filament like a halogen bulb, but the light is created between two electrodes.

### Why Was H.I.D. Light Developed?

For more safety on our roads. In the past, car manufacturers have made cars safer and more comfortable by the introduction of A.B.S., air bags, air conditioning, etc. But still no less that 60% of all traffic accidents take place in poor lighting conditions. Therefore, lighting greatly contributes actively to road safety and comfort.

### Outstanding Features:

*Super Brightness:* The brightness and its luminous flux are up to 300% more than that of a halogen lamp, so that the light will radiate wider and farther down the road.

*Good Color Temperature:* The color temperature is approximately 4300K - 12000K, compared to 3000K for a halogen lamp. The most common is 5500K, which is close to the color temperature of sunlight and is comfortable to our eyes. This is also an indirect benefit for safe driving.

*Low Power Consumption and High Efficiency:* The power consumption of the Xenon lamp is only around half of a normal halogen lamp but it emits up to 3 times the amount of light.

*Quick Start-up:* From starting up to reach full light, halogen lamps take about 15 minutes, while H.I.D. lamps take less than 0.001 second to start up and it can reach 85% of its full light in 1 second. For hot-re-strike, it takes several seconds till stabilization; for pulse-start, it takes 10-20 seconds to reach full light output.

*Extremely Long Life:* In practical terms, the life span of the bulb is equal to that of the car. Service life is at least 3000 hours, greatly above total hours of an automobile during normal night driving, which means that the bulb needs only be replaced in exceptional cases.

## Why Use The H.I.D. Lamp?

On the road, H.I.D. Xenon lighting systems appear as a bright white beam which resembles natural daylight. The bright white beam offers greater visibility and road safety. High efficiency makes the requirement for cooling the lamp lower and can reduce the aging of the lamp assembly. Extremely long life makes the H.I.D. lamp virtually maintenance free. The constant power and brightness in such a huge range of input voltage makes the H.I.D. lamp unparalleled.

## Available Color Temperatures:

### *Xenon Headlight Color Temperature 6000K (Diamond White, Recommended):*

Xenon bulbs - 6000K has an approximately 3200lm output, which is 3 times the light output of the traditional halogen light and slightly less light output compared to the 5000K. Although it has a bit lesser light output, it emits pure white light with very slight and barely noticeable tint of blue and purple.

### *Xenon Headlight Color Temperature 8000K (Iceberg Blue):*

Xenon bulbs - 8000K has an approximately 2900lm output, which is about 2.75 times the light output of the traditional halogen light and slightly less light output compared to the 6000K. While it has a bit lesser light output, it emits bluer light than the 6000K.

### *Xenon Headlight Color Temperature 10000K (Brilliant Blue):*

Xenon bulbs - 10000K has an approximately 2650lm output, which is more than 2.5 times the light output of the traditional halogen light. 10000K produces a deep blue light output approaching violet and the blue is noticeably deeper than the 8000K

### *Xenon Headlight Color Temperature 12000K (Exotic Violet):*

Xenon bulbs - 12000K has an approximately 2200lm output, which is more than 2 times the light output of the traditional halogen light. This color temperature puts out a deep bluish violet light and is deeper colored than the 10000K. It is for customer who is looking for the most extreme and most exotic looking light output.

## Please Note:

Most customers have a common misconception that the higher the K (Kelvin temperature) the brighter it gets, but in fact, it is the opposite. The K rating is inversely proportional to the light output and only is used to measure the color of the light, therefore the lower the K the brighter the light output. Also Xenon runs cooler and than a traditional halogen lamp, therefore it will not melt your housing.

H.I.D. conversion kits cannot be put into all types of headlight assemblies. This is mainly a factor on older vehicles. For proper installation the headlights must have a clear lens and use reflectors or have a projector style light assembly. The reason for this is that the older style headlight assemblies cannot handle the amount of light output the H.I.D. produces and will blind oncoming traffic. We will make sure your lights are aimed properly as to not blind oncoming traffic.

Old Style Reflector



New Style Reflector



Projector



## Kits and Pricing

### **Bulb Types:**

H.I.D. Conversion Kit:

H1, H3, H4/9003, H7, H9, H10/9140/9145, H11, H13/9008, 9004, 9005, 9006, 9007, 8-Series (8##)

Factory Installed H.I.D. Bulbs:

D1S, D1R, D2S, D2R, D3S, D3R, D4S, D4R

**Bi-Xenon H.I.D. Kit** (If your vehicle uses a single bulb for low and hi beams):

\$269.00 Includes:

- Installation
- Ballast x 2
- Light Bulb (Low/Hi) x 2
- Relay Harness
- Ballast Bracket x 2
- Power Cables
- Screws and Nuts
- Cable Ties
- Warranty

**Single Beam Xenon H.I.D. Kit** (If your vehicle uses separate bulbs for low and hi beams or fog):

\$239.00 Includes:

- Installation
- Ballast x 2
- Light Bulb x 2
- Ballast Bracket x 2
- Power Cables
- Screws and Nuts
- Cable Ties
- Warranty

**Factory Installed Xenon H.I.D.** (If your vehicle came with H.I.D. bulbs from factory):

\$149.00 - \$199.00 Includes:

- Installation
- Light Bulb x 2

\* Price varies based on bulb type.

**Single Beam Relay Harness:**

\$29.00

Depending on your type of vehicle a separate wiring harness will need to be purchased. This is due to the vehicle's electrical system interfering with the power flow to the ballast which ignites the H.I.D. bulb. For most applications this will not need to be used.

**Light Error Cancellor:**

\$39.00

This is used for vehicles that have a light error indicator on their instrument cluster or for vehicles that have bulb flickering issues with the H.I.D. lights. This is needed usually for some BMW, Mercedes, and Chrysler / Dodge products.

## **Warranty Information**

### **Manufacturer's Warranty:**

All products including replacement components (ballasts and bulbs) are covered by the manufacturer standard warranty for a period of 12 months from the purchase date. For customers that purchase complete HID kit(s), the manufacturer will extend the warranty for a period of 5 years to ensure the customer has top quality products. The customer required to register the warranty with the manufacturer within seven days of delivery to get warranty extension coverage, no exclusions.

### **Exclusions:**

Any defects resulting from water damage, fire, acts of nature, misuse, abuse, modification, improper installation, vehicle crash, or any type of impact. Any modification to the system or operating on a vehicle with damaged headlight housing will void the warranty. Also warranty will not cover the change of color or brightness of bulb.

### **Repair or Replacement:**

If a product is suspected of being defective, please contact us as soon as possible to try to resolve any problems before they escalate. The returned product will be inspected by the manufacturer. If the product is found to be defective and covered by this warranty, it will be repaired or replaced at the manufacturer's option. Any charges accrued for removal, installation, or reinstallation will not be covered by this warranty. Customers with warranty extension plans, receive coverage for the length of their extension. All claims will be thoroughly considered and you will be contacted promptly with a resolution.