

B&G

HID

xenon
CONVERSION KIT



PREMIUM
Plus





The P8 Premium Plus HID Xenon Conversion Kit brings you Award winning technology – IVth generation Bulb with self-error correction in H4 H/L with a state of the art lighting technology to convert from halogen to Xenon headlights.

The P8 Premium Plus HID Xenon Conversion Kit comes in a complete package and can be installed easily.* The P8 Premium HID Xenon Conversion Kit includes bulbs, ballast, wire harness (only for H4 H/L) and other accessories ready to be fitted. No other material is required.

* Please read carefully the installation manual.



The P8 Premium Plus Xenon Digital 55 Watts Super Slim Ballast is integrated with starter to ensure easy fitment in the vehicle.

P8 Premium Plus Xenon HID Conversion Kit is available in full range of headlamp types including H4 High Low beam with Harness.



State of the art technology
Outstanding Performance

“ Ever seen a new stylish
car pass by with bright
and cool distinctive
headlights ?

Your answer most likely
is ‘Yes’. Wondering what
those light are?
It is HID... ”



TECHNOLOGY CHANGE:

With rapid advances in car technology in the past decade we have seen a few major breakthroughs that completely changed the way we drive for the better. The major improvements came in many different forms. Some of them include in-car navigation systems, Air Bag Improvements, the ability to change all wheel drive and suspension settings on the road, and the most important change, headlights that greatly improve visibility at night.

You should know...

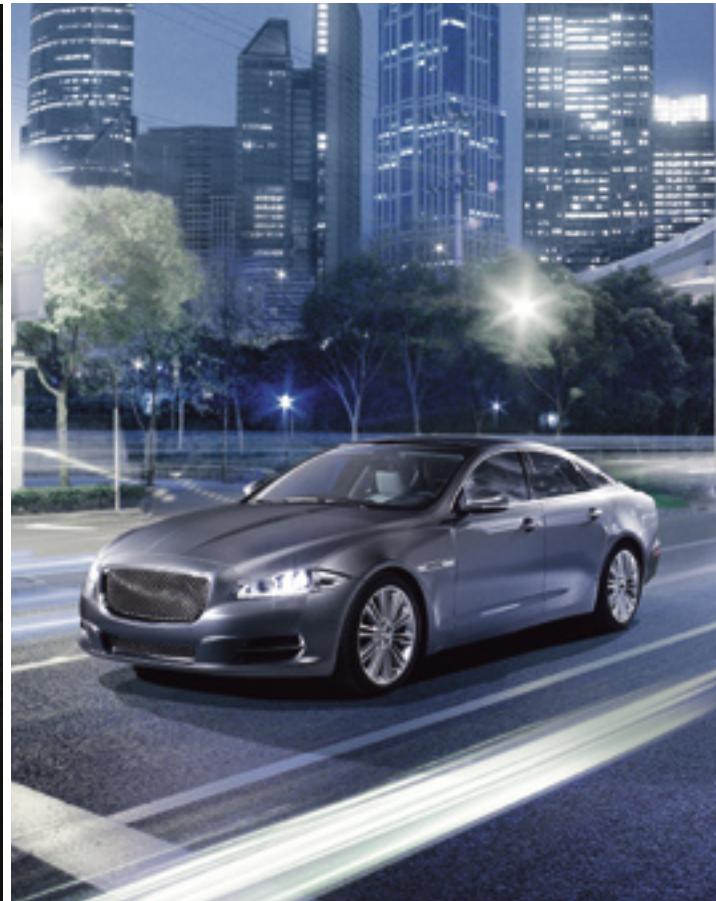


WHAT IS HID ?

HID stands for high-intensity discharge, refers to lighting technology that relies on an electrical charge to ignite Xenon gas contained in a sealed bulb. HID lights get their name from the intense white/blue light produced by the electrical discharge.

HOW DOES AUTOMOTIVE HID TECHNOLOGY WORK ?

HID Technology in automobiles was adapted from the Mercury/Sodium lamps used for street lights and HID Lamps are from the Metal Halide Lamp family. A high pressure gas (Xenon in this case) is sealed inside a bulb with 2 electrodes at a short distance. An electric charge generated by an external power source (Ballast) ionizes the Xenon gas and ignites it to produce bright and soothng white light of high intensity using stabilized electric discharge.



WHY IS XENON GAS USED IN AUTOMOBILE AND NOT ARGON OR MERCURY THAT ARE USED FOR OTHER HID APPLICATIONS ?

Xenon gas ionizes and ignites much more quickly than Argon or Mercury which take a long time to produce high luminescence. Xenon is used so that Automobile headlamps can produce high intensity light as soon as they are switched on and not wait for several minutes for effective lighting which is the case of Street Lights/Flood lights where HID is used with Mercury/Argon gas.

HOW LONG WILL XENON HID BULBS LAST ?

HID XENON lamps available at P8 are designed to run for over 2500 hours, which is usually good for the life of your vehicle. Our lamp kits and bulbs are made of the finest materials available and are used on many OEM applications.



About the Ballast

What is a Ballast ?

If you have been doing any sort of research on purchasing an HID Conversion Kit you would have inevitably come across the term ballast. What ballasts do in a conversion kit is relatively simple. The wiring harness that your car uses to power the stock halogen bulbs usually run at 55w. When you upgrade to a HID conversion, the bulbs that are used only require 35w (as a general rule of course). The ballast converts and regulates the flow of the electrical current from 55w (your current harness) to 35w (for the HID bulbs). This prevents the bulb from shorting out or not functioning.

Towards the end of a HID bulbs existence, sometimes the phenomena known as cycling occurs. As it gets older, the voltage necessary to maintain the arc eventually rises to exceed the voltage provided by your ballast. As the lamp heats to this point, the arc fails and the bulb will no longer function. If this is occurring to you, it is possible that the bulb is the culprit and not your ballast. If you are looking at a conversion that does not include ballast, it is entirely likely that it is not a true HID bulb.

Why is a ballast needed and how does it work with a HID kit

HID headlamp bulbs do not run on low-voltage DC current so they require ballast. The ballast controls the current to the bulb. The ignition and ballast operation proceeds in three stages in order to ignite and maintain the Light Intensity.



PB
PREMIUM +
Plus

During the ignition phase a high voltage pulse is used to produce a spark –which ionizes the Xenon gas, creating a flow of electricity between the tungsten electrodes. During Initial phase the bulb is driven with controlled overload. The temperature in the capsule rises quickly, the metallic salts vaporize, and the arc is intensified and made spectrally more complete.

In the continuous operation phase all metal salts are in the vapor phase, the arc has attained its stable shape, and the luminous efficacy has attained its nominal value. The ballast now supplies stable electrical power so the arc will not flicker. suspension settings on the road, and the most important change, headlights that greatly improve visibility at night.

Why Digital v/s Analog Ballast

An intelligent lighting management system that provides increased energy saving, prevent fail ignition, easier maintenance, prolongs the life of the bulb by 30%. This is a breakthrough technology over the previous analog design and this design is dramatically improved over conventional ballasts.

Why slim Ballast ?

Slim ballast will make a nightmare into a breeze. If you have a compact car, this is a must have. The slim ballast is manufactured by SMD and is machine populated, therefore the margin for error is minimized which reflects in the 0.03% defect rate. This ballast is durable and is water and vibration resistant.



What are the advantages of HID XENON light over Halogen light

The Xenon bulbs offer great advantages over the standard automobile head lights that we are used to.

- The First advantage is that the HID Lights have greater output of light. It is estimated that they are up to 3 times brighter than standard halogens.
- The second major advantage is that the viewing radius is increased up to 70%. Xenon light bulbs will have 70% more coverage area than standard halogens and hence illuminate any blind spots on the road.
- Xenon lights consume 25% less power than standard headlights and produce 25% more light hence they can be manufactured in smaller sizes than that of Halogen bulbs. Smaller bulbs, More Light!
- The whiter light penetrates darkness better than the yellow halogen light and increase visibility in tougher weather conditions like rain and fog.
- They can withstand a greater amount of vibration and shock from the road as there is no filament which increases the lifespan of the HID Kit. These can last about 3 times longer than halogen bulbs.





P8 PREMIUM Plus

“ ACCURATE FOCUS

German state of the
art lighting technology
aligned to replace
the halogen bulb. P8
Xenon HID conversion
kit ensures superior
lighting experience. ”



What is Color Temperature?



You may be confused about which color to choose for your HID conversion kit. The colour temperature is a scale to measure the colour of the light output. It is a measurement in Degrees Kelvin that indicates the hue of a specific type of light source. Many people have a misconception that colour temperature is a rating of the brightness of the bulb or HID kit. This belief is completely false. The reality of the matter is that the higher the colour temperature, the less useable light output of the source will be. The lower the temperature (usually around 4300K or so) is the brightest. I recommend anything between 4300K-6000K it looks the best as it is extremely bright.

4300K NATURAL WHITE

4300K has an approximately 3200 lm output, which is more than 3x the light output of the traditional halogen light and is the color temperature with the most output. The light appears fairly white, and has light yellowish hue when reflected off the road identical to the OEM HID equipped vehicles. This color is for customers who are looking for pure performance while improving the looks of their headlights. It is ideal for customers who do a lot of back road or canyon driving and need the optimal visibility.

6000K DIAMOND WHITE

6000K has an approximately 2800 lm output, which is 3x 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.

8000K ICEBERG BLUE

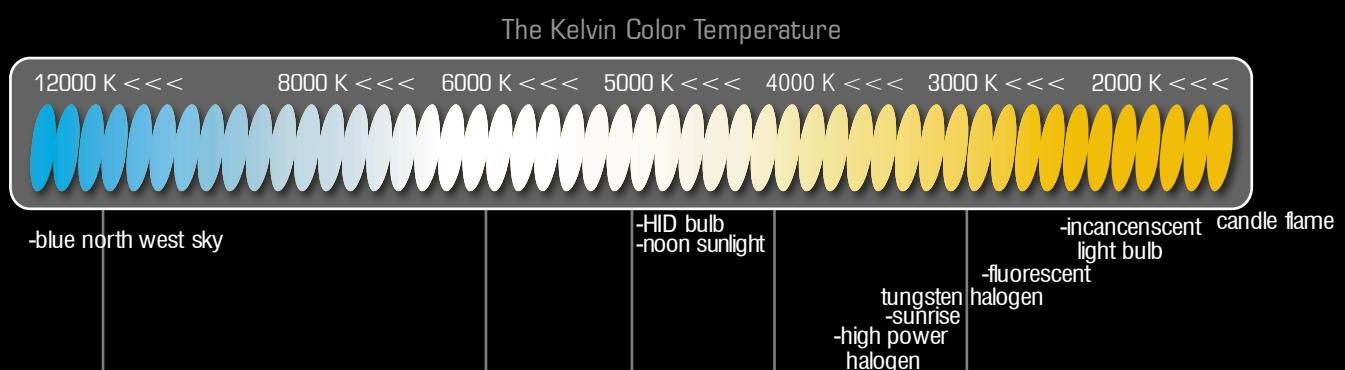
8000K has an approximately 2550 lm output, which is about 3x the light output of the traditional halogen light and slightly less light output compared to the 6000K. While it has a bit lesser light output, it emits a more blue lighting than the 6000K.

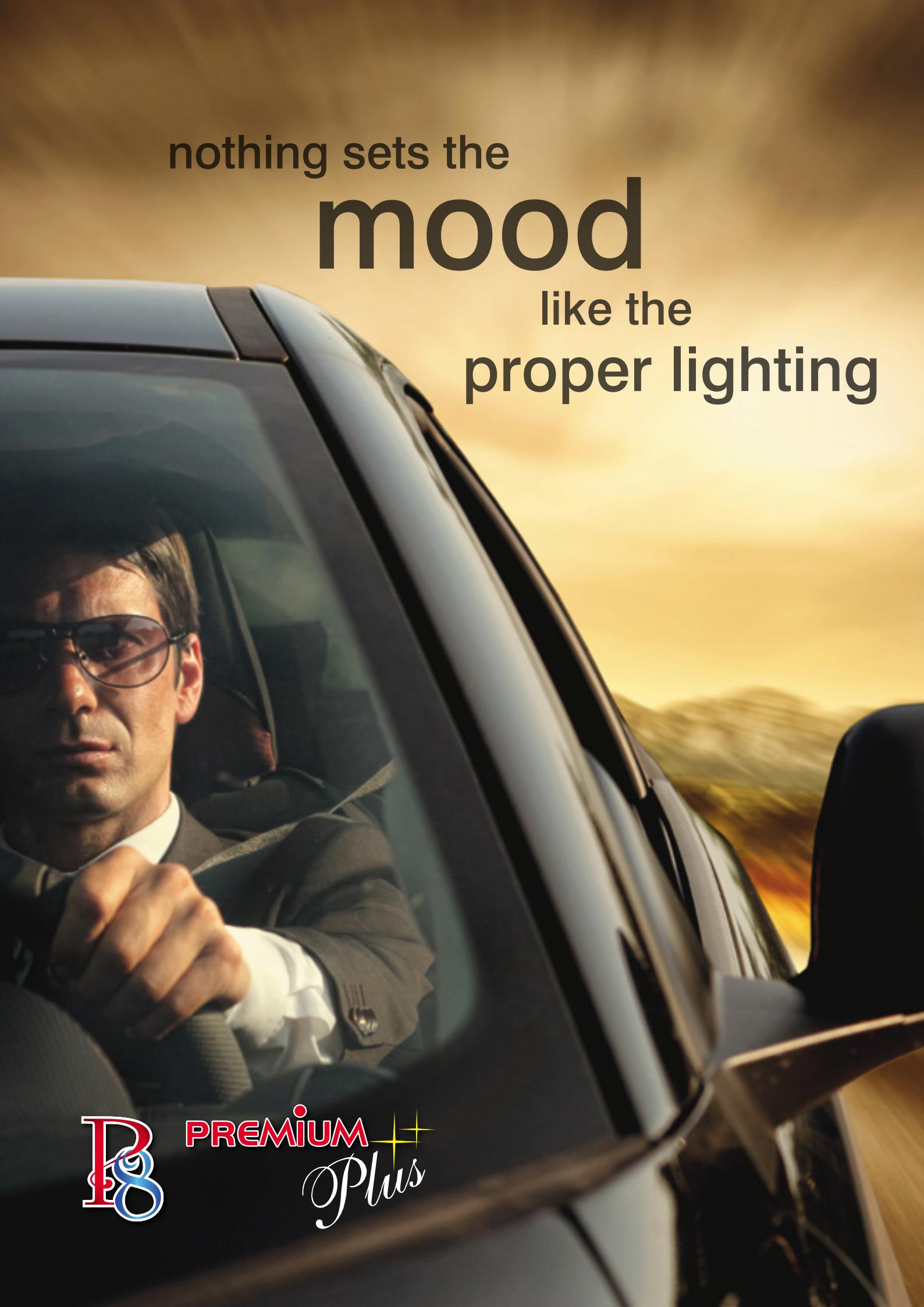
10000K BRILLIANT BLUE

10000K has an approximately 2200 lm output, which is more than 2x 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.

12000K Exotic Violet / Purple

12000K has an approximately 2100 lm output, which is more than 2x 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 a customer who is looking for the most extreme and most exotic looking light output.



A close-up, low-angle shot of a man's face as he drives a car. He is wearing glasses and a dark suit. The background shows a blurred landscape of hills and mountains under a warm, golden sunset sky.

nothing sets the
mood
like the
proper lighting

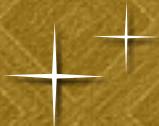
P&G PREMIUM *Plus*



“ P8 Xenon HID
with German technology
automotive upgrade
component ensures whiter
brighter light
for passionate drivers. ”

Advantages of P8 Premium Plus Xenon HID lights over Standard HID lights

P8 introduces the 4th generation Premium HID Kit which has unique features that can make your car stand out amongst other cars and at the same time provide with great driving benefits.



REVOLUTIONARY SLIM ELECTRONIC BALLAST:

P8 Premium Plus HID Solid state electronic ballast resolves the problem of fall-off in light caused by the use of conventional magnetic ballasts providing up to 20% increase in lumen maintenance over magnetic ballasts.

PULSE START TECHNOLOGY:

P8 Premium Plus HID has Pulse start technology. A high-voltage igniter works with the Electronic ballast to start the lamp using a series of high-voltage pulses (typically 3 to 5 kilovolts). Without the probe electrode, the amount of pinch (or seal) area at the end of the arc tube is reduced, which results in a reduced heat loss. Furthermore, using an igniter with a lamp reduces the tungsten sputtering by heating up the electrodes faster during starting. Warm-up time is also reduced. Pulse-start technology has the following advantages over Probe start systems:

- Increased lamp life
- Higher Lumen maintenance
- Better Colour stability
- Provide better cold starting capability
- Allow faster starting when cold, shorter warm-up times, and a faster restrike (re-start).



SELF ERROR CORRECTION:

The ratio of real power in Watts to complex power in Volt Amperes(VA) is defined as Power Factor which is a number ranging between 0 and 1. This measure is very important for applications that generate power as it signifies the amount of power the application must generate in VA against what is actually consumed in Watts. The utility has to supply more current for a given amount of real power used if the user's Power factor decreases. P8 Premium HID Ballasts are designed with Self Power Factor Error Correction electronic circuits to provide most efficient results.



REVERSE VOLTAGE PROTECTION:

P8 Premium Plus HID Lighting systems are designed and manufactured to tolerate reverse and transient peaks without which the fluctuation could damage the HID System.

WATER PROOF AND SHOCK RESISTANT:

For all weather and terrain, systems are water proof and shock resistant.

PROTECTION FROM SHORT AND OPEN CIRCUIT:

P8 Premium Plus HID Electronic Ballasts rely on low frequency square wave output for greater lamp compatibility. But this could make the ballasts susceptible to some output shorts and open circuits. P8 Premium HID has a mechanism to control and protect the lighting system from certain open and short circuits.

SAVES POWER:

P8 Premium Plus Hid Conversion Kit although 55W but consumes only 35W electricity making them over 3 times more efficient than traditional halogen bulbs.

LONGER LIFE:

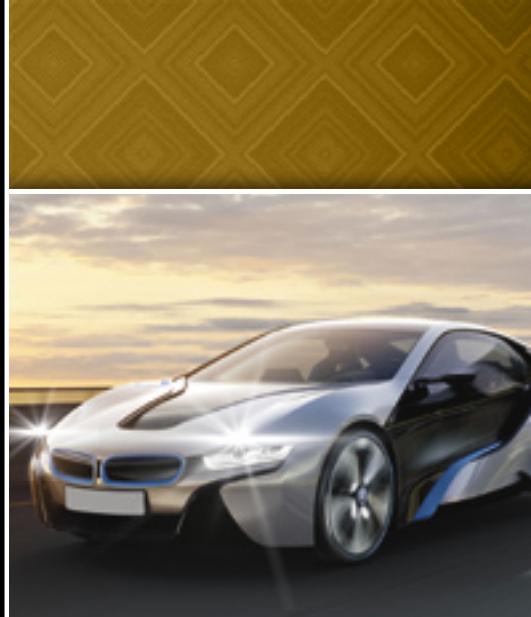
P8 Premium Plus Hid Conversion Kit lasts over 4000 hours which is around 8 times more over traditional halogen bulbs and has 1 year warranty.

SAFETY:

P8 Premium Plus Hid Conversion Kit has an increased brightness of 300% over traditional halogen bulbs adding an extra margin of safety while driving.

APPEARANCE:

P8 Premium Plus Hid Conversion Kit is an attractive product and produces comfortable light which is very close to the natural light emitted by the sun. It makes everything easier to see at night.



“ IVth Generation

Automotive Head Lamp

Pulse Structure

2-side Pulse Orientation

Self-Error Correction

Technology in H4/HL

“ **ULTIMATE
BEAM PATTERN**

High Light output P8

German Technology

**creates ultimate beam
pattern to ensure better
driving experience and
minimizes glare for
oncoming traffic.** ”



PREMIUM +
Plus

**H7 High Beam / Low Beam / Fog Lights**

Audi A4 / A6 / A8 / S6, Buick, Polo, Passat, Jetta, Porshe, Berc. Benz., BMW 3 series / 7 series, Honda Odyssey / Prelude, Nissan 240 SX, Jaguar, Volvo 850, Hyundai, Tata, Opel

**H1 High Beam / Fog Lights**

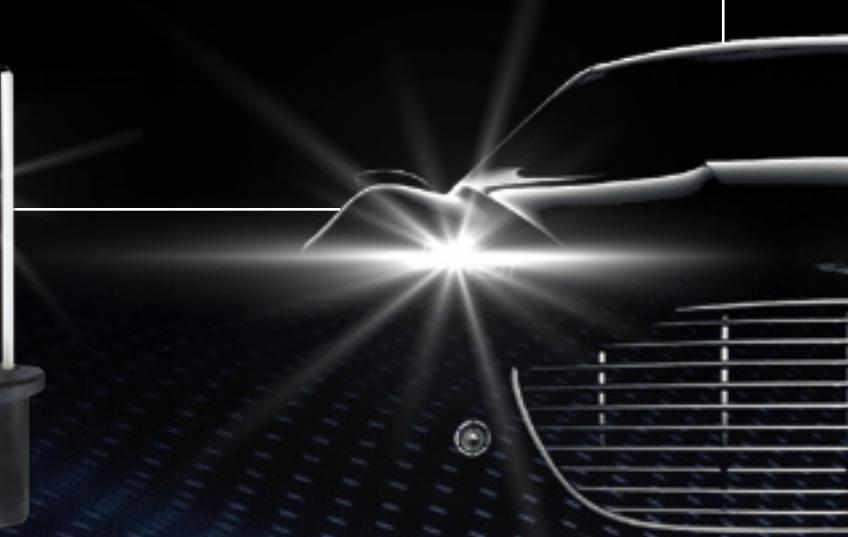
Audi A4 / A6 / A8 / S6, Buick, Polo, Passat, Jetta, Porshe, Berc. Benz., BMW 3 series / 7 series, Honda Odyssey / Prelude, Nissan 240 SX, Jaguar, Volvo 850, Hyundai, Tata, Opel

**H3 Fog Lights**

Audi, Chevrolet, Ford, Maruti

H11 Fog Light / High Beam

Mitsubishi, Toyota, Ford, Mini Cooper, Porsche, Suzuki, Buick, BMW, Audi, Acura, Land Rover, Volvo, Volkswagen, Maruti, Honda, Renault, Logan, Merc. Benz



“ ENSURES SUPERIOR
LIGHTING EXPERIENCE ”



Amritras India



H4 H/L / Fog Lights

Audi, Chevrolet, Ford, Suzuki,
Merc. Benz, Hyundai, Toyota, Scorpio,
Tata Safari, Indica, Maruti, Opel



9006 HB4 Low Beam

Mitsubishi, Toyota, Ford,
Mini Cooper, Porsche, Suzuki, Buick,
BMW, Audi, Acura, Land Rover, Volvo,
Volkswagen, Lexus, Mazda, Chevrolet



H8 Fog Lights

BMW 5 Series, Maruti



H27 Fog Lights

Hyundai, Chevrolet, Mahindra



9005 HB3 High Beam

Mitsubishi, Toyota, Ford, Mini Cooper, Porsche,
Suzuki, Buick, BMW, Audi, Acura, Land Rover,
Volvo, Volkswagen, Lexus, Mazda, Chevrolet



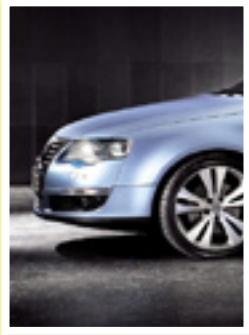
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MODEL	H / L	HIGH BEAM	LOW BEAM	FOG LIGHT
● MARUTI				
MARUTI 800 BHARAT II	H4 H / L			H3
ALTO LX - LXI - VXI	H4 H / L			H3
OMNI E	H4 H / L			H3
ZEN LXI	H4 H / L			H3
ZEN ESTILO	H4 H / L			H3
WAGON - R VXI - LXI	H4 H / L			H3
ESTEEM LXI - VXI	H4 H / L			H1
SWIFT ZXI - VXI - DZI	H4 H / L			H8
SWIFT DZIRE	H4 H / L			H8
RITZ	H4 H / L			H8
SX4	H4 H / L			H8
A - STAR	H4 H / L			H8
VERSA DX - DX STD.	H4 H / L			H3
BALENO	H4 H / L			H3
NEW GRAND VITARA		9005	9006	H11
ECCO	H4 H / L			H11
● HYUNDAI				
SANTRO XING - ALL MODELS	H4 H / L			H27
ACCENT GLS - GVS	H4 H / L			H27
ACCENT VIVA	H4 H / L			H27
I 10	H4 H / L			H27
I 20	H4 H / L			H27
GETZ PRIME	H4 H / L			H27
VERNA	H4 H / L			H27
SONATA GOLD		H1	H7	H27
SONATA EMBERA		H1	H7	H27
SONATA TRANSFORM		H1	H7	H27
ELANTRA		H1	H7	H27
TERRACAN	H4 H / L			H27
TUCSON	H4 H / L			H27
NEW VERTA	H4 H / L			H27
SANTA FEE		H7	H7	H27
● TATA				
VISTA	H / L	H1	H7	H11
INDICA LX - DICOR - ZETA ALL MODELS	H4 H / L			H3
INDIGO - ALL MODELS	H4 H / L			H3
INDIGO GRANDE		H1	H7	H3
INDIGO MARINA		H1	H7	H11
INDIGO MANZA		H7	H7	H3
SUMO GRANDE ALL MODELS	H4 H / L			H3
SAFARI DÉCOR	H4 H / L			H1
NANO	H4 H / L			H3
ARIA		H1	H7	H11
● HONDA				
ACCORD TYPE - II		9005	9006	H11
ACCORD TYPE - III		9005	9006	H11
ACCORD TYPE - IV		9005	9006	H11
HONDA CITY OLD ALL MODELS	H4 H / L			H11



MODEL	H / L	HIGH BEAM	LOW BEAM	FOG LIGHT
© HONDA				
HONDA CITY ZXI ALL MODELS	H4 H / L			H11
HONDA CITY NEWS ALL MODELS	H4 H / L			H11
CIVIC		9005	9006	H11
CRV OLD		H1	9005	H11
CRV NOW		H1	9005	H11
JAZZ	H4 H / L			H11
© TOYOTA				
COROLLA		9005	9006	H3
ALTIS		9005	9006	H11
CAMRY OLD		9005	9006	H3
CAMRY NEW		9005	9006	H3
INNOVA	H4 H / L			9006
LAND CRUISER AMAZON	H4 H / L			H4
LAND CRUISER PRADO	H4 H / L			H4
FORTUNER		H11	9005	9006
ETIOS	H4 H / L			H11
LIVA	H4 H / L			H11
© FORD				
IKON	H4 H / L			H1
FIESTA		H1	H7	H8
FUSION	H4 H / L			H1
FUSION PLUS	H4 H / L			H8
MONDEO		H1	H7	
ENDEAVOUR	H4 H / L			H11
FIGO	H4 H / L			H8
© CHEVROLET				
SPARK	H4 H / L			H27
U-Va	H4 H / L			H1
AVEO	H4 H / L			H1
OPTRA MAGNUM	H4 H / L			H1
SRV		H1	H7	
TAVERA	H4 H / L			H1
CAPTIVA		H7	H1	H1
BEAT	H4 H / L			H3
CRUZE	H4 H / L			H8
© FIAT				
500	H4 H / L			
LINEA		H7	H1	H11
PALIO STILE		H7	H1	H8
PETRA ELX		H7	H1	H1
PALIO PETRA		H7	H1	H11
PUNTO	H4 H / L			H11
© MAHINDRA - RENAULT				
LOGAN	H4 H / L			H11
© MAHINDRA				
BOLERO ALL MODELS	H4 H / L			H3
SCORPIO ALL MODELS	H4 H / L			H8
XYLO	H4 H / L			H27



MODEL	H / L	HIGH BEAM	LOW BEAM	FOG LIGHT
SKODA				
FABIA	H4 H / L			H8
OCTAVIA	H4 H / L			H1
LAURA L & K		H1	XENON OEM	H8
LAURA ELEGANCE - AMBIENTE		H1	H7	H8
SUPERB		H1	XENON OEM	H1
VOLKS WAGEN				
JETTA		H7	H1	H8
PASSAT		H7	XENON OEM	H3
POLO	H4 H / L			H8
GOLF	H4 H / L			H8
BEETLE				
VENTO	H4 H / L			9006
MITSUBISHI				
CEDIA	H4 H / L			H1
LANCER	H4 H / L			H1
PAJERO	H4 H / L			
OUTLANDER	H4 H / L			H1
MONTERO A / T		H1	XENON OEM	9006
MONTERO M / T	H4 H / L			9006
AUDI				
A 4		H7	H1	H3
A 6		H1	H1	H3
A 8		9005	H1	H3
S 4		H7	H7	H3
S 6		H1	H1	H3
TT		H7	H7	H3
V 8		9005	9006	H1
BMW				
3 SERIES		9005	9006	H1
5 SERIES		9005	H1	H3
6 SERIES				
7 SERIES		9005	9006	H1
8 SERIES		9005	9006	
323		H1	H7	H3
Z 3		9005	9006	H1
M 3		9005	9006	H1
Roadster		9005	9006	H1
MERCEDES BENZ				
C Class		H7	H7	9006
E Class		H7	H7	H11
S Class		H7	H7	H11
NISSAN				
X-Trail	H4 H / L			H11
Micra	H4 H / L			H11

PREMIUM 
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