



# Automotive Bulbs

HELLA's bulbs are renowned for an uncompromising adherence to the highest quality and safety standards.



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# SUPERIOR ILLUMINATION

**THE HUMAN HEART BEATS ONCE PER SECOND.  
HELLA INSTALLS ~ 5.7 BULBS IN THE SAME PERIOD OF TIME**

## Why Hella Bulbs?

HELLA automotive bulbs are renowned for their uncompromising adherence to the highest quality and safety standards. There's a Hella bulb to suit almost every requirement.

- Optimal light quality
- Uncompromisingly high testing standards
- Durable and robust products
- Lowest possible failure rate

## TS Pro Bulbs

TS Pro bulbs are a new generation of high-performance halogen bulbs specifically designed to cope with the heavy duty demands of 24 volt heavy commercial transport applications.

Utilising innovative single-coil filaments, TS Pro halogen bulbs offer significantly increased service life of up to 100% when compared to standard halogen bulbs. They also feature superior vibration resistance during extended periods of operation, leading to reduced vehicle servicing costs and downtime.

In addition to extended service life and improved durability, TS Pro halogen bulbs provide up to 100% increased illumination of the road ahead when compared to a standard halogen bulb. This results in improved vision and clearer visibility of objects and traffic situations in the distance ahead, effectively reducing eyestrain and driver fatigue, adding valuable seconds to driver reaction times for improved night driving safety.

## Replacement Bulbs

The New Zealand lighting rules state that all certified legal lamps (headlamps or tail lamps) must be fitted with an approved light source to remain legal, if the light source is replaced.

Most Hella bulbs will be marked with an 'E mark' to show compliance. Some bulbs, to suit older vehicles or imports not originally destined for our market, may have different standards such as JIS (Japanese Industrial Standard). Hella shows compliant bulbs under the category column in the bulb section.

## Safe for Modern Headlamps

All halogen bulb filaments produce UV radiation. If the glass casing of the bulb does not filter the UV radiation, it will be harmful to the polycarbonate lenses used on most of today's vehicles.

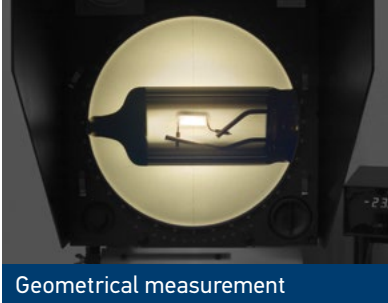
Excessive UV radiation from the halogen or HID bulb will result in discolouration and substantially diminished light transmission of the headlamp lens. All Hella halogen and HID automotive bulbs are UV-reduced and are safe for use in modern headlamps with polycarbonate lenses.



**Note:** LED replacement bulbs are generally illegal for use in marker, signal and headlights as they do not comply with a lighting standard.

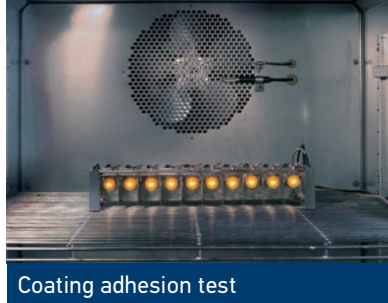
To avoid failing a Warrant/Certificate of Fitness inspection, all lighting equipment must comply with the law and meet approved standards.

## RIGOROUS TESTING GUARANTEES PREMIUM QUALITY



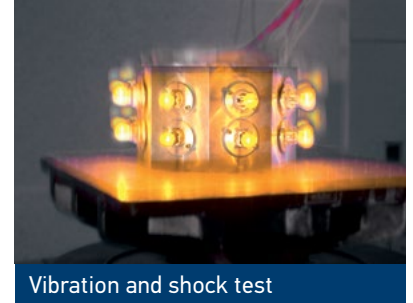
Geometrical measurement

A measuring projector is used to check the filament geometry - with regard to the statutory standards in accordance with IEC 60810. The filament must be dimensioned and positioned within the bulb as specified in the standard. This is the only way to achieve optimum headlight power and prevent glare to oncoming traffic.



Coating adhesion test

The adhesion of paint on coloured glass bulbs - such as the PY21W for example - is tested in a climate chamber at different temperatures and air humidities. Optimal adhesion of glass bulb paint guarantees the prescribed amber indicator light.



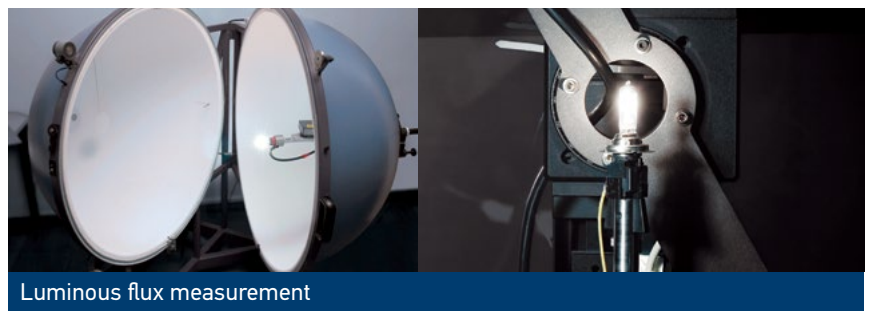
Vibration and shock test

Vibration resistance of the bulbs and the filament in particular is tested on an electro-dynamic vibration table.



Service life test

Sophisticated tests are used to prove the high reliability of HELLA bulbs over a long period.



Luminous flux measurement

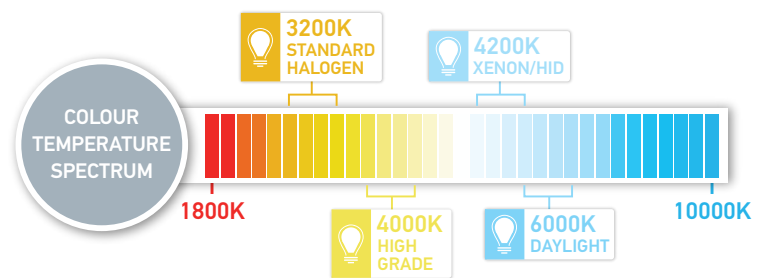
The Ulbricht sphere and goniometer are used to determine the light fluxes and luminous intensities of the HELLA bulbs. This guarantees optimum light output of the bulbs. These tests and measurements form the basis of our tested quality.

## COLOUR TEMPERATURE EXPLAINED

Colour temperature is a measurement in degrees Kelvin that indicates the hue of a specific type of light source. (Kelvin is indicated by the unit symbol K).

Colour temperatures over 4000K are called cool colours (blueish white), while lower colour temperatures (2700 – 3000K) are called warm colours (yellowish white through red).

The higher the temperature of a light source is, the greater the proportion of blue and the lower the proportion of red in the colour spectrum. An incandescent light bulb has a warm white colour temperature of approx. 2700K.



The illustration provides an indication of the colour temperature spectrum.

# XENON GAS DISCHARGE LAMPS

Xenon (HID) based front lighting systems are still among the best lighting systems available in terms of both quality and quantity.

- 01 Over twice the luminous flux\* (light quantity/light power)
- 02 Considerably longer service life
- 03 Light colour is closer to daylight
- 04 Significantly lower power consumption of only 35W (plus 7W for ballast)
- 05 Superior light performance (photometric efficiency)
- 06 Lower thermal load on the system



Illumination with good low beam



Illumination with Xenon low beam

\*Compared to standard Halogen bulbs.

The Xenon gas discharge, or high intensity discharge (HID) bulb illuminates via a light arc that is ignited between two electrodes. This technology requires a complex electronic ballast.

To optimise and maintain a safe lighting system, additional system features are often required e.g. headlamp cleaning systems, automatic headlight range adjustment and levelling systems for ECE type approved systems.

## Additional Regulations for Xenon Low Beam

In the ECE region, headlights with Xenon low beams may only be used in conjunction with automatic or dynamic headlight range adjustment and levelling system as well as a headlight cleaning system. This regulation takes into account the intense luminous performance of the Xenon bulb and is designed to ensure the safety of all road users.

## How They Work

A sophisticated ballast supplies the ignition voltage required to ignite the gas between two electrodes. This ignition voltage can be up to 30kV in 4th generation ballasts. Inside the bulb is a mixture of inert Xenon gas, metals and metal halides, which are ionised upon ignition resulting in a powerful light arc.

During the controlled supply of alternating current (at approx. 400Hz) the liquid and solid substances evaporate, due to high internal temperatures. The lamp only achieves its full brightness after a few seconds when all the components have been ionised. To prevent destruction of the lamp through uncontrolled increases in current, the current is limited by a ballast. Once the full light output has been reached, an operating voltage (not the ignition voltage) of only 85V is necessary to maintain the physical process. The luminous flux, light output, luminance and service life of Xenon HID bulbs significantly surpasses halogen bulbs.

**HID Ultra plus (UP) - Up to + 70% brighter**

Ultra Plus bulbs are the ideal bulbs for drivers looking to increase safety with more light on the road. This HID bulb produces up to 70% more light on the road, has a beam that is up to 20 metres longer than a standard bulb.

**Colour Match HID Bulbs**

As HID bulbs age, the colour temperature increases resulting in a whiter light. When an HID bulb is replaced with a new bulb it can look yellow compared to the original bulb, and will whiten with use. If a white light from installation is desired, a colour match bulb may be used (D2R-5K, D2S-5K) which will be a closer match to the older bulb from the first use. These bulbs are ECE compliant.

**Fault Diagnosis for HID bulbs**

Check whether the ballast is attempting to ignite the bulb after the light has been switched on. Ignition attempts can be heard clearly near the headlight.

If ignition attempts are unsuccessful, the Xenon bulb should be checked by swapping it with one from the other headlight and the process tried again. If no ignition attempt is carried out, the fuse should be checked.

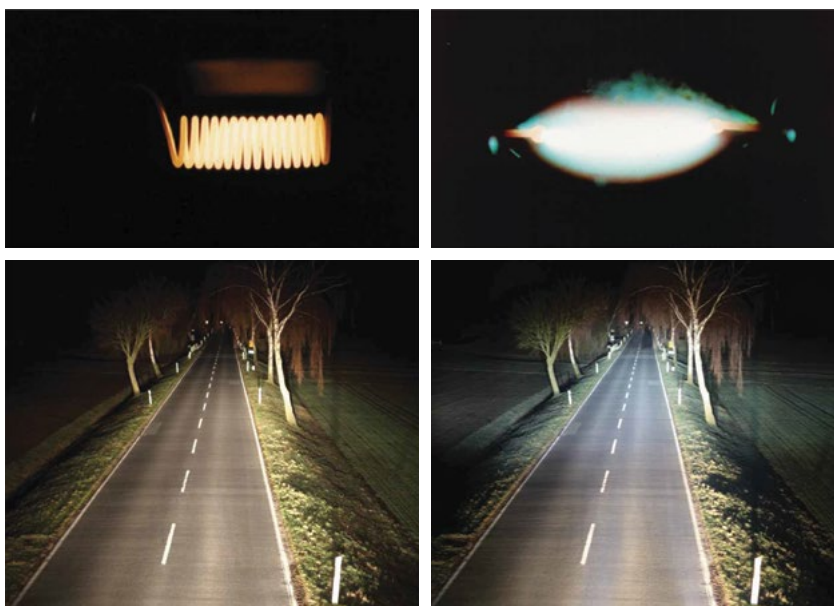
If the fuse is functional, check the voltage and ground supply directly at the ballast. Voltage must be at least 9V for 12V systems. If the voltage ground is verified and the Xenon bulbs are functional a faulty ballast is likely to be cause of the problem.

**Conversion kits (HID and LED)**

Converting an approved headlamp to another light source (e.g. Halogen to LED bulb) is not permitted, as the light sources are currently not compliant with New Zealand regulations. Therefore it is illegal to import, sell or fit these conversion bulbs to a vehicle that requires a WOF or COF.

Refer to [www.nzta.govt.nz](http://www.nzta.govt.nz) and search for the 'Get your Lights Right' Guide.

**Comparison between filament bulb (halogen) / light arc gas discharge lamp (Xenon)**



Typical light distribution and colour temperature of a light beam with standard halogen bulb.

Typical light distribution and colour temperature of a light beam with HID bulb.

	HALOGEN BULB (H1)	GAS DISCHARGE LAMP (XENON D1S)
<b>Light source:</b>	Filament	Light arc
<b>Luminance Flux:</b>	1550 lm	3200 lm
<b>Luminance:</b>	1450 cd/m <sup>2</sup>	3000 cd/m <sup>2</sup>
<b>Capacity:</b>	55W	35W
<b>Energy balance:</b>	8% light radiation 92% heat radiation	28% light radiation 58% heat radiation 14% UV radiation
<b>Service life:</b>	Approx. 500 hours	Approx. 2500 hours
<b>Vibration-proof:</b>	To a certain extent	Yes
<b>Ignition voltage:</b>	No	Yes 23000V (3rd generation)
<b>Electronic control:</b>	No	Yes
<b>Kelvin Temperature (Daylight ± 6000 K)</b>	3200 K	4150 K (Projection system)

<b>Tips for Dealing with HID Electronic Ballasts</b>	A faulty ballast leads to complete headlight failure. Possible causes for failure of the ballast are:	→ Lack of voltage/ sufficient current supply. → Lack of ground connection.	→ Faulty electronics of the device. → Internal short-circuits.
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# QUICK REFERENCE BULB GUIDE

## HALOGEN HEADLAMP BULBS

H1



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H3



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H4



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H7



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H8



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H9



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H10



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H11



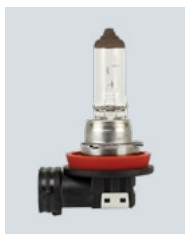
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H15



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H16



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HB3



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HB4



PAGE 286

HIR2



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## XENON GAS DISCHARGE BULBS

800 SERIES



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D1



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D2



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D3



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D4



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## CONVENTIONAL SIGNAL AND MARKER BULBS

BAYONET



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WEDGE



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FESTOON



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PLASTIC



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# QUICK REFERENCE UPGRADE BULB GUIDE



## COOL BLUE (CB) AND BLUE VISION (BV) – WHITER (UP TO 4200°K)

These bulbs come close to emulating the colour of a Xenon HID lamp. The high colour temperature of the Cool Blue bulbs creates the crisp white light which provides illumination that is conspicuous while being easy on the eye.

UPGRADE BULBS								
Bulb	Category	Part Number	Legacy Part Number		Voltage	Power Consumption	Base	Page
	H1	8GH 002 089-144	C1255CB		12V	55W	P14.5s	282
	H7	8GH 007 157-411	CA1255CB		12V	55W	PX26d	281
	HB3	8GH 005 635-053	CB1265CB		12V	65W	P20d	286
	HB4	8GH 005 635-033	CC1255CB		12V	55W	P22d	286
	H11	8GH 008 358-182	CG1255CB		12V	55W	PGJ19-2	284
	T4W	8GP 002 067-832	HL124BV		12V	4W	BA9s	291
	W5W	8GP 003 594-561	W125BV		12V	5W	W2.1x9.5d	293
	H4	8GJ 002 525-365	XD1260/55CB		12V	60/55W	P43t	280
	H3	8GH 002 090-032	YC1255CB		12V	55W	PK22s	283

## COLOUR MATCH HID BULBS (D2R-5K/D2S-5K/D1S-5K ) – WHITER (UP TO 5000°K)

As HID bulbs age, the colour temperature increases resulting in a whiter light. These 5K bulbs offer up to 30% more light on the road and a whiter look to match used bulbs. These bulbs are ECE compliant.

	D2R	8GS 007 001-242	D2R5K		12/24V	35W	P32d-3	278
	D2S	8GS 007 949-252	D2S5K		12/24V	35W	P32d-3	278
	D1S	8GS 009 028-622	D1S5K		12/24V	35W	PK32d-2	279

## LONGLIFE (LL) - UP TO TWICE THE LIFE



LongLife (LL) bulbs are increasing in popularity for applications such as taxis and drivers using headlamps during the day. Many new vehicles now come equipped with LongLife bulbs as a standard fitment. The bulbs will provide safe and legal light performance and can be rated at twice or greater the service life of standard bulbs.

UPGRADE BULBS								
Bulb	Category	Part Number	Legacy Part Number		Voltage	Power Consumption	Base	Page
	H1	8GH 002 089-111	C1255LL		12V	55W	P14.5s	282
	H7	8GH 007 157-142	CA1255LL		12V	55W	PX26d	281
	P21/5W	8GD 002 078-171	S1221/5VLL		12V	21/5W	BAY15d	289
	W5W	8GP 003 594-162	W125LL		12V	5W	W2.1 x 9.5d	293
	H4	8GJ 002 525-483	XD1260/55LL		12V	60/55W	P43t	280
	H3	8GH 002 090-112	YC1255LL		12V	55W	PK22s	283





### XENON (X) - UP TO + 30% BRIGHTER

This bulb outshines a standard headlamp bulb by achieving up to 30% more light on the road in the 50-75m range allowing better orientation and earlier reaction to hazards.

UPGRADE BULBS								
Bulb	Category	Part Number	Legacy Part Number		Voltage	Power Consumption	Base	Page
	H1	8GH 002 089-384	C1255X		12V	55W	P14.5s	<b>282</b>
	H3	8GH 002 090-024	YC1255X		12V	55W	PK22s	<b>283</b>
	H4	8GJ 002 525-005	XD1260/55X		12V	60/55W	P43t	<b>280</b>
	H7	8GH 007 157-562	CA1255X		12V	55W	PX26d	<b>281</b>
	H11	8GH 008 358-152	CG1255X		12V	55W	PGJ19-2	<b>284</b>



### HID ULTRA PLUS (UP) - UP TO + 70% BRIGHTER

Ultra Plus bulbs are the ideal bulbs for drivers looking to increase safety with more light on the road. This HID bulb produces up to 70% more light on the road, has a beam that is up to 20 metres longer than a standard bulb.

UPGRADE BULBS								
Bulb	Category	Part Number	Legacy Part Number		Voltage	Power Consumption	Base	Page
	D1S	8GH 009 028-081	D1SUP		12V/24V	35W	PK32d-2	<b>279</b>
	D2S	8GH 007 949-271	D2SUP		12V/24V	35W	PK32d-2	<b>278</b>



### ULTRA PLUS (UP) - UP TO + 100% BRIGHTER

Ultra Plus bulbs are the ideal bulbs for drivers looking to increase safety with more light on the road. This halogen bulb produces up to 100% more light on the road, has a beam that is up to 35 metres longer and provides light that is up to 10% whiter than a standard bulb.

UPGRADE BULBS								
Bulb	Category	Part Number	Legacy Part Number		Voltage	Power Consumption	Base	Page
	H1	8GH 178 560-472	C1255UP		12V	55W	P14.5s	<b>282</b>
	H4	8GJ 178 560-484	XD1260/55UP		12V	60/55W	P43t	<b>280</b>
	H7	8GH 178 560-494	CA1255UP		12V	55W	PX26d	<b>281</b>
	H11	8GH 008 358-041	CG1255UP		12V	55W	PGJ19-2	<b>284</b>

Lifetime and performance gains are compared to standard versions of the bulb. Greater performance is measured between 50 and 75m in front of vehicle.



**ULTRA MAX (UM) - UP TO + 150% BRIGHTER**

Ultra Max bulbs are the ultimate upgrade bulb for drivers desiring the best performance from an approved bulb. This halogen bulb produces up to 150% more light on the road, and has a beam that is up to 40 metres longer and up to 20% whiter combining a highly engineered filament, pure xenon gas filling and innovative laser processing technology.

UPGRADE BULBS								
Bulb	Category	Part Number	Legacy Part Number		Voltage	Power Consumption	Base	Page
	H1	8GH 358 193-071	C1255UM		12V	55W	P14.5s	282
	H3	8GH 358 193-031	YC1255UM		12V	55W	PK22s	283
	H4	8GJ 958 631-031	XD1260/55UM		12V	60/55W	P43t	280
	H7	8GH 958 879-041	CA1255UM		12V	55W	PX26d	281
	H8	8GH 358 193-021	CE1235UM		12V	55W	PGJ19-1	283
	H11	8GH 358 193-061	CG1255UM		12V	55W	PGJ19-2	284
	HB3	8GH 358 193-051	CB1265UM		12V	65W	P20d	286
	HB4	8GH 358 193-041	CC1255UM		12V	55W	P22d	286



**TS PRO - UP TO 2.5 TIMES THE LIFETIME AND 100% MORE LIGHT ON THE ROAD (HALOGEN BULBS).**

At night, truck drivers need the best possible light on the road ahead. TS Pro out-performs conventional 24V bulbs, allowing drivers to concentrate on the essentials. With their extremely long life and robust construction, these bulbs save on replacements and downtime, reducing fleet costs

UPGRADE BULBS								
Bulb	Category	Part Number	Legacy Part Number		Voltage	Power Consumption	Base	Page
	H1	8GH 002 089-255	C2470TS		24V	70W	P14.5s	282
	H3	8GH 002 090-461	YC2470TS		24V	70W	PK22s	283
	H4	8GJ 002 525-282	XD2475/70TS		24V	75/70W	P43t	280
	H7	8GH 007 157-271	CA2470TS		24V	70W	PX26d	281
	H11	8GH 008 358-252	CG2470TS		24V	70W	PGJ19-2	284
	P21/5W	8GD 002 078-013	S2421/5TS		24V	21/5W	BAY15d	289
	R5W	8GP 342 760-941	G245TS		24V	5W	BA15s	290
	R10W	8GA 002 071-274	G2410TS		24V	10W	BA15s	290
	T4W	8GP 002 067-263	HL244TS		24V	4W	BA9s	291
	P21W	8GA 002 073-253	R2421TS		24V	21W	BA15s	288
	PY21W	8GA 006 841-253	RY2421TS		24V	21W	BAU15s	288



**SUPREME - UP TO 200% BRIGHTER.**

For the ultimate performance upgrade, select HELLA Supreme (S) with mirror chrome caps. Dominate with 200% more light, up to 20% whiter and beams up to 150 metres.

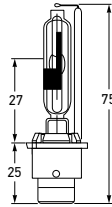
UPGRADE BULBS								
Bulb	Category	Part Number	Legacy Part Number		Voltage	Power Consumption	Base	Page
	H7	8GH 358 193-011	CA1255S		12V	55W	PX26d	281
	H4	8GJ 358 193-001	XD1260/55S		12V	60/55W	P43t	280



8GS 007 001-152



P32d-3



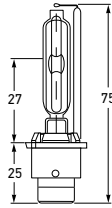
D2 - COLOUR MATCH BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GS 007 001-152	D2R	12/24V	35W	P32d-3	D2R	
8GS 007 001-242	D2R5K	12/24V	35W	P32d-3	D2R	



8GS 007 949-262



P32d-2



8GS 007 949-262	D2S	12/24V	35W	P32d-2	D2S	
8GH 007 949-271	D2SUP	12/24V	35W	P32d-2	D2S	
8GS 007 949-252	D2S5K	12/24V	35W	P32d-2	D2S	

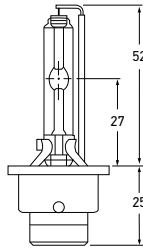
See page 273 for further information on colour match bulbs (5K).  
See page 89 for information on power packs and ballast leads.



8GS 007 949-302



P32d-5

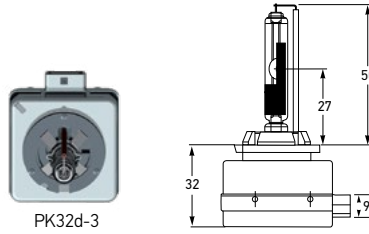


D4S						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GS 007 949-302	D4S	12/24V	35W	P32d-5	D4S	

BASE CODING (VIEWED FROM TOP SIDE)



AUTOMOTIVE BULBS



PK32d-3



8GS 009 499-001

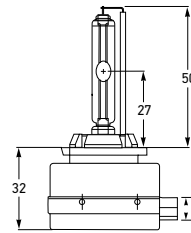
D1					
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category
8GS 009 499-001	D1R	12/24V	35W	PK32d-3	D1R



PK32d-2



PK32d-2





8GS 009 028-051/8GH 009 028-081

8GS 009 028-622



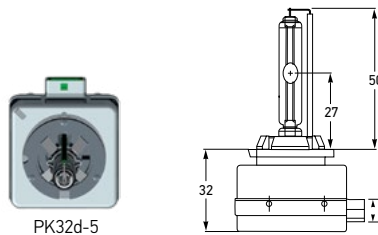
8GS 009 028-051

8GS 009 028-051	D1S	12/24V	35W	PK32d-2	D1S
8GH 009 028-081	D1SUP	 12/24V	35W	PK32d-2	D1S
8GS 009 028-622	D1S5K	 12/24V	35W	PK32d-2	D1S

See page 89 for information on power packs and ballast leads.



8GS 009 028-622



PK32d-5



8GS 009 028-312

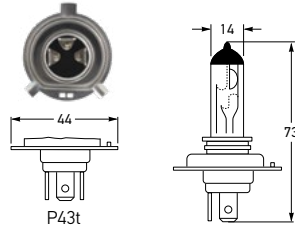
D3S					
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category
8GS 009 028-312	D3S	12/24V	35W	PK32d-5	D3S

BASE CODING (VIEWED FROM TOP SIDE)





8GJ 958 631-031



8GJ 002 525-652



8GJ 980 324-021

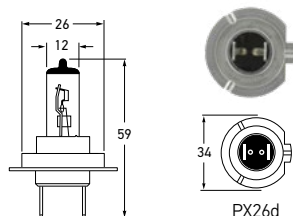
HALOGEN BULBS - H4 12 VOLT

Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category	
8GJ 980 324-001	XD1260/55		12V	60/55W	P43t	H4	☑
8GJ 980 324-007	XD1260/55BULK		12V	60/55W	P43t	H4	
8GJ 002 525-483	XD1260/55LL		12V	60/55W	P43t	H4	☑
8GJ 002 525-005	XD1260/55X		12V	60/55W	P43t	H4	☑
8GJ 178 560-484	XD1260/55UP		12V	60/55W	P43t	H4	☑
8GJ 958 631-031	XD1260/55UM		12V	60/55W	P43t	H4	☑
8GJ 358 193-001	XD1260/55S		12V	60/55W	P43t	H4	
8GJ 002 525-365	XD1260/55CB		12V	60/55W	P43t	H4	☑
8GJ 002 525-206	XD12100/90		12V	100/90W	P43t		☑
8GJ 002 525-207	XD12100/90BULK		12V	100/90W	P43t		

HALOGEN BULBS - H4 24 VOLT

Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category	
8GJ 980 324-021	XD2475/70		24V	75/70W	P43t	H4	☑
8GJ 002 525-287	XD2475/70BULK		24V	75/70W	P43t	H4	
8GJ 002 525-282	XD2475/70TS		24V	75/70W	P43t	H4	☑
8GJ 002 525-267	XD2475/70TSBULK		24V	75/70W	P43t	H4	
8GJ 002 525-454	XD24100/90		24V	100/90W	P43t		☑
8GJ 002 525-457	XD24100/90BULK		24V	100/90W	P43t		

Bulk packs are sold in packs of 10.



8GH 958 879-041



8GH 007 157-271

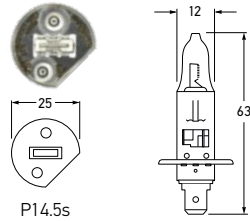
HALOGEN BULBS - H7 12 VOLT						
Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category
8GH 007 157-131	CA1255		12V	55W	PX26d	H7
8GH 007 157-137	CA1255BULK		12V	55W	PX26d	H7
8GH 007 157-142	CA1255LL		12V	55W	PX26d	H7
8GH 007 157-562	CA1255X		12V	55W	PX26d	H7
8GH 178 560-494	CA1255UP		12V	55W	PX26d	H7
8GH 958 879-041	CA1255UM		12V	55W	PX26d	H7
8GH 358 193-011	CA1255S		12V	55W	PX26d	H7
8GH 007 157-411	CA1255CB		12V	55W	PX26d	H7

HALOGEN BULBS - H7 24 VOLT						
Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category
8GH 007 157-244	CA2470		24V	70W	PX26d	H7
8GH 007 157-247	CA2470BULK		24V	70W	PX26d	H7
8GH 007 157-271	CA2470TS		24V	70W	PX26d	H7
8GH 007 157-277	CA2470TSBULK		24V	70W	PX26d	H7

Bulk packs are sold in packs of 10.



8GH 002 089-122



8GH 178 560-472



8GH 002 089-144

HALOGEN BULBS - H1 12 VOLT

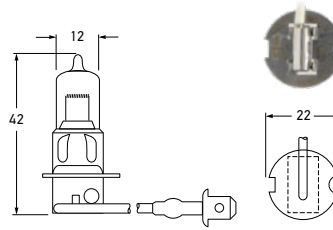
Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category	
8GH 002 089-122	C1255		12V	55W	P14.5s	H1	
8GH 002 089-127	C1255BULK		12V	55W	P14.5s	H1	
8GH 002 089-111	C1255LL		12V	55W	P14.5s	H1	
8GH 002 089-384	C1255X		12V	55W	P14.5s	H1	
8GH 178 560-472	C1255UP		12V	55W	P14.5s	H1	
8GH 358 193-071	C1255UM		12V	55W	P14.5s	H1	
8GH 002 089-144	C1255CB		12V	55W	P14.5s	H1	
8GH 002 089-155	C12100		12V	100W	P14.5s		

HALOGEN BULBS - H1 24 VOLT

Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category	
8GH 002 089-281	C2470		24V	70W	P14.5s	H1	
8GH 002 089-287	C2470BULK		24V	70W	P14.5s	H1	
8GH 002 089-255	C2470TS		24V	70W	P14.5s	H1	
8GH 002 089-257	C2470TSBULK		24V	70W	P14.5s	H1	
8GH 002 089-455	C24100		24V	100W	P14.5s		

Bulk packs are sold in packs of 10.

AUTOMOTIVE BULBS



HALOGEN BULBS - H3 12 VOLT						
Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category
8GH 980 333-001	YC1255		12V	55W	PK22s	H3
8GH 002 090-147	YC1255BULK		12V	55W	PK22s	H3
8GH 002 090-112	YC1255LL		12V	55W	PK22s	H3
8GH 002 090-024	YC1255X		12V	55W	PK22s	H3
8GH 358 193-031	YC1255UM		12V	55W	PK22s	H3
8GH 002 090-032	YC1255CB		12V	55W	PK22s	H3
8GH 002 090-053	YC12100		12V	100W	PK22s	H3



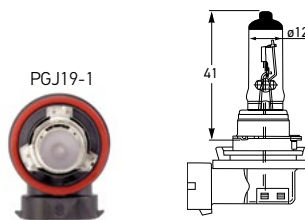
8GH 002 090-024

HALOGEN BULBS - H3 24 VOLT						
Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category
8GH 002 090-261	YC2470		24V	70W	PK22s	H3
8GH 002 090-267	YC2470BULK		24V	70W	PK22s	H3
8GH 002 090-461	YC2470TS		24V	70W	PK22s	H3
8GH 002 090-467	YC2470TSBULK		24V	70W	PK22s	H3
8GH 002 090-455	YC24100		24V	100W	PK22s	H3



8GH 002 090-461

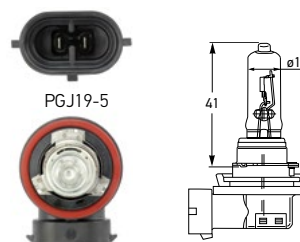
Bulk packs are sold in packs of 10.



HALOGEN BULBS - H8						
Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category
8GH 008 356-002	CE1235		12V	35W	PGJ19-1	H8
8GH 358 193-021	CE1235UM		12V	35W	PGJ19-1	H8



8GH 008 356-002



HALOGEN BULBS - H9						
Part Number	Legacy Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category
8GH 008 357-003	CF1265		12V	65W	PGJ19-5	H9

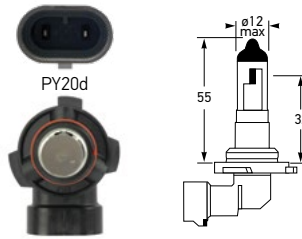


8GH 008 357-003





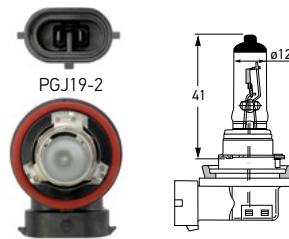
8GH 980 326-001



HALOGEN BULBS - H10						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GH 980 326-001	CH1242	12V	42W	PY20d	H10	



8GH 008 358-002

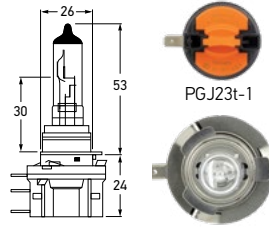


HALOGEN BULBS - H11						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GH 008 358-002	CG1255	12V	55W	PGJ19-2	H11	
8GH 008 358-152	CG1255X	12V	55W	PGJ19-2	H11	
8GH 008 358-041	CG1255UP	12V	55W	PGJ19-2	H11	
8GH 358 193-061	CG1255UM	12V	55W	PGJ19-2	H11	
8GH 008 358-182	CG1255CB	12V	55W	PGJ19-2	H11	
8GH 008 358-244	CG2470	24V	70W	PGJ19-2	H11	
8GH 008 358-252	CG2470TS	24V	70W	PGJ19-2	H11	



8GH 008 358-182

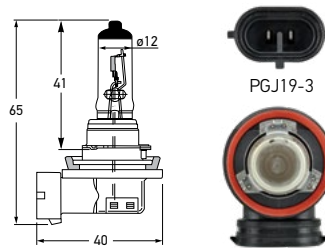
AUTOMOTIVE BULBS



DAYTIME RUNNING LAMP AND FOG LAMP BULB - H15					
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category
8GJ 168 119-002	XH1215/55	12V	15/55W	PGJ23t-1	H15



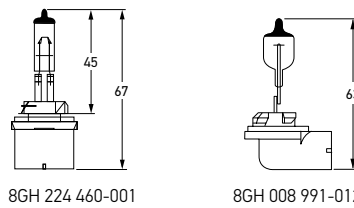
8GJ 168 119-002



HALOGEN BULBS - H16					
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category
8GH 186 996-012	CF1219	12V	19W	PGJ19-3	H16



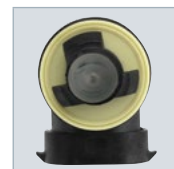
8GH 186 996-012



HALOGEN BULBS - 800 SERIES					
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category
8GH 008 991-023	CF1227H27W/1	12V	27W	PG13	H27W/1
8GH 008 991-012	CF1227H27W/2	12V	27W	PGJ13	H27W/2

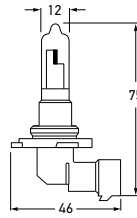


8GH 008 991-012





8GH 005 635-211

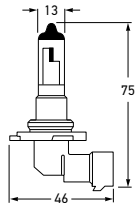


HALOGEN BULBS - HB3 (9005)

Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GH 005 635-302	CB1265	12V	65W	P20d	HB3	
8GH 358 193-051	CB1265UM	12V	65W	P20d	HB3	
8GH 005 635-053	CB1265CB	12V	65W	P20d	HB3	



8GH 005 636-161

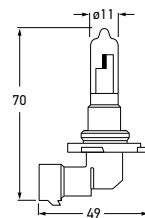


HALOGEN BULBS - HB4 (9006)

Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GH 005 636-123	CC1255	12V	55W	P22d	HB4	
8GH 358 193-041	CC1255UM	12V	55W	P22d	HB4	
8GH 005 635-033	CC1255CB	12V	55W	P22d	HB4	



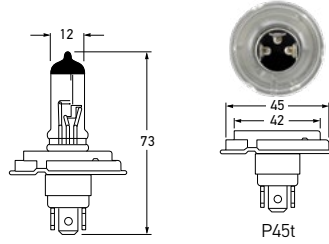
8GH 009 319-011



HALOGEN BULBS - H1R2

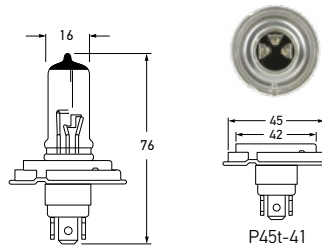
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GH 009 319-011	CI1255	12V	55W	PX22d	H1R2	

AUTOMOTIVE BULBS



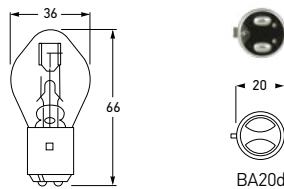
8GJ 178 555-211

HALOGEN HEADLAMP BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GJ 178 555-211	XE2475/70	24V	70/75W	P45t-41		



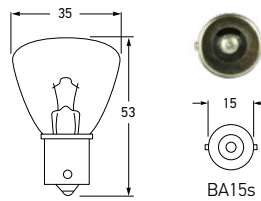
8GD 002 088-132

HEADLAMP BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GD 002 088-132	A1245/40	12V	45/40W	P45t-41	R2	
8GD 002 088-272	A2455/50	24V	55/50W	P45t-41	R2	



8GD 002 084-153

8GD 002 084-153	B1245/40	12V	45/40W	BA20d		
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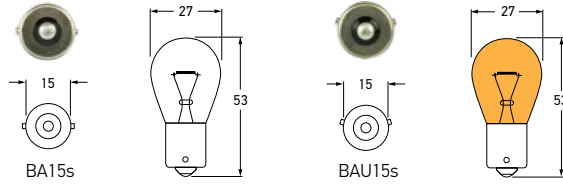


8GA 002 074-123

SPECIAL BULBS FOR EMERGENCY FLASHER AND REVOLVING LAMPS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GA 002 074-123	U1245	12V	45W	BA15s		
8GA 002 074-243	U2445	24V	45W	BA15s		



8GA 002 073-163



8GA 006 841-124

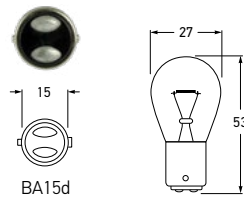
**BAYONET INDICATOR AND STOP LAMP BULBS**

Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GA 002 073-163	R1221	12V	21W	BA15s	P21W	
8GA 002 073-168	R1221BULK	12V	21W	BA15s	P21W	
8GA 006 841-124	RY1221	12V	21W	BAU15s	PY21W	
8GA 006 841-127	RY1221BULK	12V	21W	BAU15s	PY21W	
8GA 002 072-243	R2418	24V	18W	BA15s		
8GA 002 073-245	R2421	24V	21W	BA15s	P21W	
8GA 002 073-247	R2421BULK	24V	21W	BA15s	P21W	
8GA 002 073-253	R2421TS	24V	21W	BA15s	P21W	
8GA 006 841-242	RY2421	24V	21W	BAU15s	PY21W	
8GA 006 841-253	RY2421TS	24V	21W	BAU15s	PY21W	

Bulk packs are sold in packs of 10.



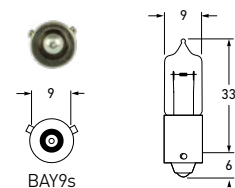
8GA 002 073-282



8GA 002 073-282	FD1221	12V	21W	BA15d	P21W	
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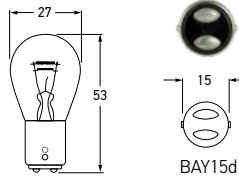
8GH 008 417-003



**BAYONET HALOGEN INDICATOR AND STOP LAMP BULBS**

Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GH 008 417-003	RQ1221	12V	21W	BAY9s	H21W	
8GH 008 417-052	RQ2421	24V	21W	BAY9s	H21W	

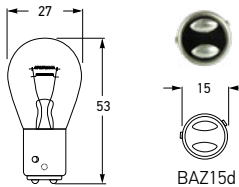
AUTOMOTIVE BULBS



8GD 980 329-001

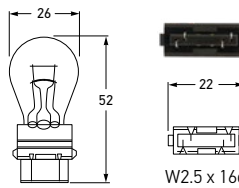
BAYONET STOP AND TAIL LAMP BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GD 980 329-001	S1221/5V	12V	21/5W	BAY15d	P21/5W	
8GD 980 329-007	S1221/5VBULK	12V	21/5W	BAY15d	P21/5W	
8GD 002 078-171	S1221/5VLL	12V	21/5W	BAY15d	P21/5W	
8GD 002 078-242	S2421/5V	24V	21/5W	BAY15d	P21/5W	
8GD 980 329-021	S2421/5VBULK	24V	21/5W	BAY15d	P21/5W	
8GD 002 078-013	S2421/5TS	24V	21/5W	BAY15d	P21/5W	

Bulk packs are sold in packs of 10.



8GD 004 772-122

BAYONET EUROPEAN STOP AND TAIL LAMP BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GD 004 772-122	SZ1221/4	12V	21/4W	BAZ15d	P21/4W	



8GD 007 731-274

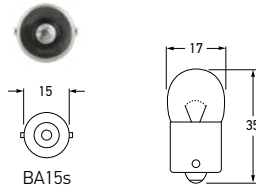


8GD 007 731-281

PLASTIC BASED BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GA 007 731-233	WP1227	12V	27W	W2.5 x 16d	P27W	
8GD 007 731-274	WP1227/7	12V	27/7W	W2.5 x 16q	P27/7W	
8GD 007 731-281	WPA1227/7	12V	27/7W	W2.5 x 16q	PY27/7W	



8GH 008 358-002



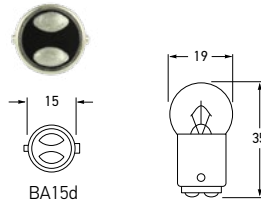
REAR POSITION, MARKER AND CLEARANCE BULBS

Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GA 002 071-171	G125	12V	5W	BA15s	R5W	
8GA 002 071-177	G125BULK	12V	5W	BA15s	R5W	
8GA 002 071-511	G1210	12V	10W	BA15s	R10W	
8GA 002 071-517	G1210BULK	12V	10W	BA15s	R10W	
8GA 002 071-245	G245	24V	5W	BA15s	R5W	
8GA 002 071-247	G245BULK	24V	5W	BA15s	R5W	
8GP 342 760-941	G245TS	24V	5W	BA15s	R5W	
8GA 002 071-254	G2410	24V	10W	BA15s	R10W	
8GA 002 071-257	G2410BULK	24V	10W	BA15s	R10W	
8GA 002 071-274	G2410TS	24V	10W	BA15s	R10W	

Bulk packs are sold in packs of 10.

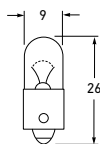


8GA 002 071-372

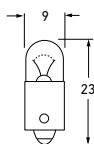


8GA 002 071-372	GD125	12V	5W	BA15d	R5W	
8GA 002 071-362	GD245	24V	5W	BA15d	R5W	

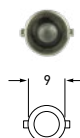
AUTOMOTIVE BULBS



8GP 002 067-124, 8GP 002 067-832,  
8GP 002 067-245, 8GP 007 676-124



8GP 002 068-123, 8GP 002 068-133,  
8GP 002 068-244



BA9s



1.

8GP 002 067-124



2.

8GP 002 067-832



3.

8GP 002 068-123

PILOT/DASH BULBS							
Part Number	Legacy Part Number	Picture	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GP 002 067-124	HL124	1	12V	4W	BA9s	T4W	
8GP 002 067-126	HL124BULK	1	12V	4W	BA9s	T4W	
8GP 002 067-832	HL124BV	2	12V	4W	BA9s	T4W	
8GP 002 067-245	HL244	1	24V	4W	BA9s	T4W	
8GP 002 067-248	HL244BULK	1	24V	4W	BA9s	T4W	
8GP 002 067-263	HL244TS	1	24V	4W	BA9s	T4W	
8GP 008 285-002	HL247	1	24V	7W	BA9s		
8GP 002 068-123	H122	3	12V	2W	BA9s		
8GP 002 068-133	H123	3	12V	3W	BA9s		
8GP 002 068-137	H123BULK	3	12V	3W	BA9s		
8GP 007 676-124	H126	1	12V	6W	BA9s		
8GP 007 676-127	H126BULK	1	12V	6W	BA9s		
8GP 002 068-244	H242	1	24V	2W	BA9s		
8GP 002 068-247	H242BULK	1	24V	2W	BA9s		

Bulk packs are sold in packs of 10.

LED RETROFITS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base		
8GL 980 327-001	HLLED124	12V	1W	BA9s		

Not for use in marker and signal lamps.



8GL 980 327-001

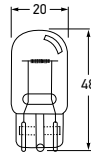




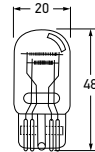
8GA 008 892-121



W3 x 16d



W3 x 16d



W3 x 16q



8GP 009 021-121

WEDGE BASE BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GA 008 892-121	CAP1221	12V	21W	W3 x 16d	W21W	
8GA 008 892-127	CAP1221BULK	12V	21W	W3 x 16d	W21W	
8GP 009 021-121	CAPY1221	12V	21W	W3 x 16d	WY21W	
8GD 008 893-112	CAP1221/5	12V	21/5W	W3 x 16q	W21/5W	
8GD 008 893-117	CAP1221/5BULK	12V	21/5W	W3 x 16q	W21/5W	

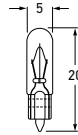
Bulk packs are sold in packs of 10.



8GP 938 026-002



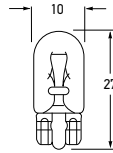
W2 x 4.6d



8GP 002 095-122	W1212	12V	1.2W	W2 x 4.6d		
8GP 002 095-127	W1212BULK	12V	1.2W	W2 x 4.6d		
8GP 938 026-002	WBL122	12V	2W	W2 x 4.6d		
8GP 002 095-141	WS122	12V	2W	W2 x 4.6d		
8GP 002 095-243	W2412	24V	1.2W	W2 x 4.6d		
8GP 002 095-247	W2412BULK	24V	1.2W	W2 x 4.6d		
8GP 002 095-012	WS242	24V	2W	W2 x 4.6d		

Bulk packs are sold in packs of 10.

AUTOMOTIVE BULBS



W2.1 x 9.5d



8GP 002 095-072

WEDGE BASE BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GP 002 095-072	W122	12V	2W	W2.1 x 9.5d		
8GP 003 594-144	W123	12V	3W	W2.1 x 9.5d	W3W	
8GA 980 325-001	W125	12V	5W	W2.1 x 9.5d	W5W	
8GA 980 325-007	W125BULK	12V	5W	W2.1 x 9.5d	W5W	
8GP 003 594-162	W125LL	12V	5W	W2.1 x 9.5d	W5W	
8GP 003 594-561	W125BV	12V	5W	W2.1 x 9.5d	W5W	
8GP 003 594-544	WY125	12V	5W	W2.1 x 9.5d	WY5W	
8GA 178 560-337	W242BULK	24V	2W	W2.1 x 9.5d		
8GP 003 594-244	W243	24V	3W	W2.1 x 9.5d	W3W	
8GP 003 594-252	W245	24V	5W	W2.1 x 9.5d	W5W	
8GP 003 594-256	W245BULK	24V	5W	W2.1 x 9.5d	W5W	

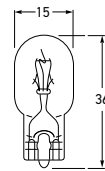
Bulk packs are sold in packs of 10.



8GP 003 594-561



8GP 003 594-544



W2.1 x 9.5d



8GA 008 246-002

8GA 222 459-001	WS1212	12V	12W	W2.1 x 9.5d		
8GA 008 246-002	W1216	12V	16W	W2.1 x 9.5d	W16W	



8GL 178 560-602

LED RETROFITS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base		
8GL 178 560-602	WL125	12V	1W	W2.1x9.5d		

Not for use in marker and signal lamps.



8GM 002 091-184



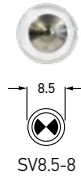
8GM 002 091-253



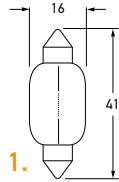
8GM 211 656-692



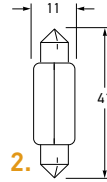
8GM 002 091-362



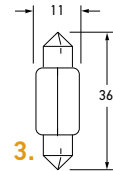
SV8.5-8



1. 8GM 002 091-184



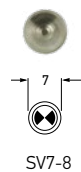
2. 8GM 002 091-253



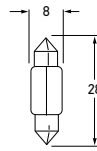
3. 8GA 002 092-021

FESTOON BULBS

Part Number	Legacy Part Number	Diagram	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GM 980 328-001	K1210	2	12V	10W	SV8.5-8		
8GM 980 328-007	K1210BULK	2	12V	10W	SV8.5-8		
8GM 002 091-184	K1221	1	12V	21W	SV8.5-8	C21W	
8GM 002 091-187	K1221BULK	1	12V	21W	SV8.5-8	C21W	
8GM 002 091-253	K2410	2	24V	10W	SV8.5-8		
8GM 002 091-257	K2410BULK	2	24V	10W	SV8.5-8		
8GM 002 091-012	K2421	1	24V	21W	SV8.5-8		
8GM 002 091-017	K2421BULK	1	24V	21W	SV8.5-8		
8GA 002 092-021	L125	3	12V	5W	SV8.5-8	C5W	
8GA 002 092-027	L125BULK	3	12V	5W	SV8.5-8	C5W	
8GM 002 091-342	L1210	3	12V	10W	SV8.5-8		
8GM 002 092-251	L245	3	24V	5W	SV8.5-8	C5W	
8GM 002 092-257	L245BULK	3	24V	5W	SV8.5-8	C5W	
8GM 304 927-001	L2410	3	24V	10W	SV8.5-8		
8GM 304 927-007	L2410BULK	3	24V	10W	SV8.5-8		

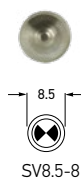


SV7-8

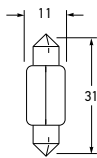


M123

8GM 211 656-692	M123		12V	3W	SV7-8		
8GM 211 656-697	M123BULK		12V	3W	SV7-8		
8GM 211 656-772	M243		24V	3W	SV7-8		
8GM 211 656-777	M243BULK		24V	3W	SV7-8		



SV8.5-8

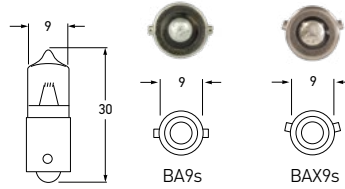


N1210

8GM 002 091-362	N1210		12V	10W	SV8.5-8		
8GM 002 091-367	N1210BULK		12V	10W	SV8.5-8		

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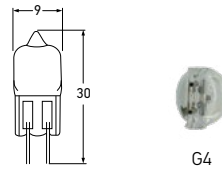
AUTOMOTIVE BULBS



HALOGEN/INTERIOR BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GH 002 473-512	YL125	12V	5W	BA9s		
8GH 007 643-123	YL126	12V	6W	BAX9s	H6W	
8GH 002 473-221	YL1210	12V	10W	BA9s		
8GH 002 473-134	YL1220	12V	20W	BA9s		



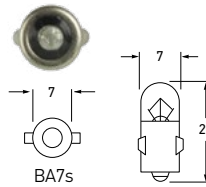
8GH 002 473-512



8GS 910 372-001	YM125	12V	5W	G4		
8GS 910 371-001	YM1210	12V	10W	G4		
8GS 910 371-011	YM1220	12V	20W	G4		
8GS 910 371-251	YM2420	24V	20W	G4		



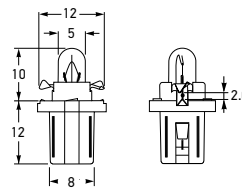
8GS 910 371-001



MINIATURE BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GP 002 066-123	J122	12V	2W	BA7s		
8GP 002 066-243	J243	24V	3W	BA7s		



8GP 002 066-123



DASHBOARD BULBS						
Part Number	Legacy Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
8GP 004 017-121	WD1212BULK	12V	1.2W	B8.5d		
8GA 178 560-267	WD2412BULK	24V	1.2W	B8.5d		



8GP 004 017-121

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