



Automotive Bulbs

HELLA's automotive bulbs are renowned for their 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.

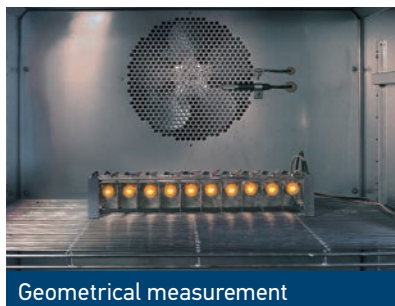
Excessive UV radiation from the halogen or HID bulb will result in discolouration and substantially diminished light transmission of the headlamp lens. All Hella halogen and HID automotive bulbs are UV-reduced and are safe for use in modern headlamps with polycarbonate lenses.



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

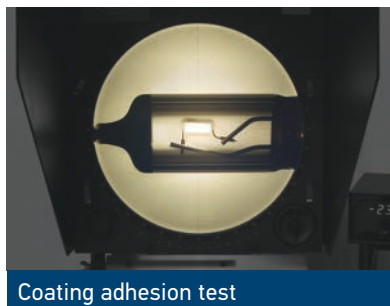
To avoid failing a Warrant/Certificate of Fitness inspection, all lighting equipment must comply with the law and meet approved standards.

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.

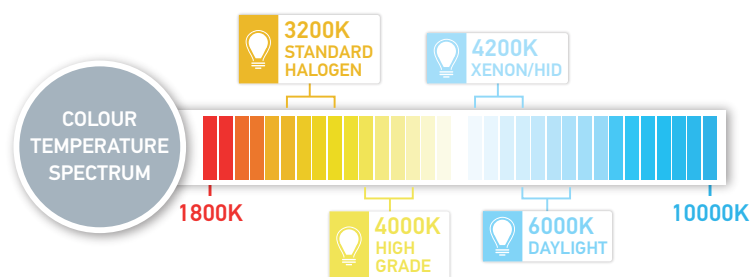


COLOUR TEMPERATURE EXPLAINED

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.

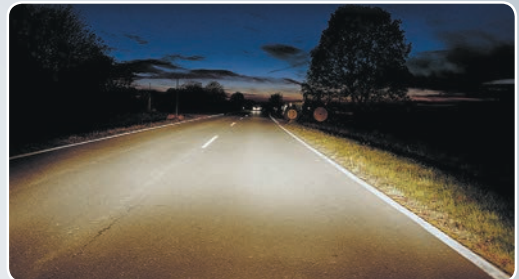


The illustration provides an indication of the colour temperature spectrum.

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.

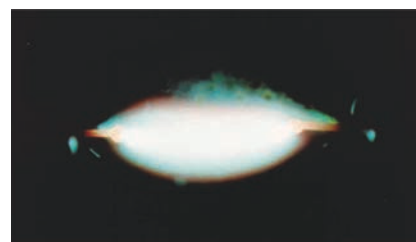
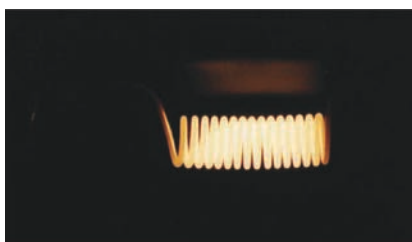
If ignition attempts are unsuccessful, the Xenon bulb should be checked by swapping it with one from the other headlight and the process tried again. If no ignition attempt is carried out, the fuse should be checked.

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.

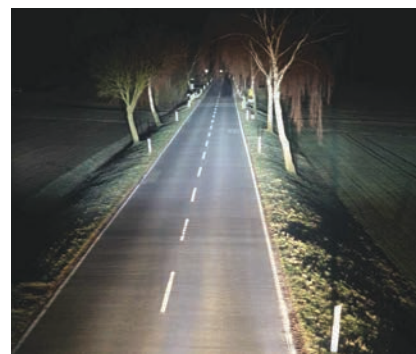
Conversion kits (HID and LED)

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 <http://www.nzta.govt.nz> and ('Get your lights right')

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

Tips for Dealing with HID Electronic Ballasts

A faulty ballast leads to complete headlight failure. Possible causes for failure of the ballast are:

- Lack of voltage/sufficient current supply.
- Faulty electronics of the device.
- Lack of ground connection.
- Internal short-circuits.

QUICK REFERENCE BULB GUIDE

HALOGEN HEADLAMP BULBS

H1



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HB3



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HB4



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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



PAGE 370

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		Voltage	Power Consumption	Base	Page
	H1	C1255CB		12V	55W	P14.5s	356
	H3	YC1255CB		12V	55W	PK22s	357
	H4	XD1260/55CB		12V	60/55W	P43t	354
	H7	CA1255CB		12V	55W	PX26d	355
	H11	CG1255CB		12V	55W	PGJ19-2	359
	HB3	CB1265CB		12V	65W	P20d	360
	HB4	CC1255CB		12V	55W	P22d	360
	T4W	HL124BV		12V	4W	BA9s	367
	W5W	W125BV		12V	5W	W2.1 x 9.5d	369

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	D2R-5K		12/24V	35W	P32d-3	352
	D2S	D2S-5K		12/24V	35W	P32d-3	352
	D1S	D1S-5K		12/24V	35W	PK32d-2	353



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		Voltage	Power Consumption	Base	Page
	H1	C1255LL		12V	55W	P14.5s	356
	H3	YC1255LL		12V	55W	PK22s	357
	H4	XD1260/55LL		12V	60/55W	P43t	354
	H7	CA1255LL		12V	55W	PX26d	355
	R5W	G125LL		12V	5W	BA15s	366
	C5W	L125LL		12V	5W	SV8.5-8	370
	P21W	R1221LL		12V	21W	BA15s	364
	P21/5W	S1221/5VLL		12V	21/5W	BAY15d	365
	W5W	W125LL		12V	5W	W2.1 x 9.5d	369
	894	CF1237-894		12V	37.5W	PGJ13	362
	898	CF1237-898		12V	37.5W	PGJ13	362



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		Voltage	Power Consumption	Base	Page
	H1	C1255X		12V	55W	P14.5s	356
	H3	YC1255X		12V	55W	PK22s	357
	H4	XD1260/55X		12V	60/55W	P43t	354
	H7	CA1255X		12V	55W	PX26d	355
	H11	CG1255X		12V	55W	PGJ19-2	359



XENON ULTRA (XU) - UP TO + 60% BRIGHTER

Xenon Ultra bulbs take lighting even further by providing up to 60% more light on the road than a standard headlamp bulb while emitting a 10-20m longer beam.

UPGRADE BULBS





Bulb	Category	Part Number		Voltage	Power Consumption	Base	Page
	H1	C1255XU		12V	55W	P14.5s	356
	H4	XD1260/55XU		12V	60/55W	P43t	354
	H7	CA1255XU		12V	55W	PX26d	355



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		Voltage	Power Consumption	Base	Page
	D1S	D1SUP		12V/24V	35W	P32d-2	353
	D2S	D2SUP		12V/24V	35W	PK32d-2	352

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 PLUS (UP) - UP TO + 110% 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 110% 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		Voltage	Power Consumption	Base	Page
	H1	C1255UP		12V	55W	P14.5s	356
	H3	YC1255UP		12V	55W	PK22s	357
	H4	XD1260/55UP		12V	60/55W	P43t	354
	H7	CA1255UP		12V	55W	PX26d	355
	HB3	CB1265UP		12V	65W	P20d	360
	HB4	CC1255UP		12V	55W	P22d	360
	H11	CG1255UP		12V	55W	PGJ19-2	359

**ULTRA MAX (UM) - UP TO + 130% 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 130% 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		Voltage	Power Consumption	Base	Page
	H4	XD1260/55UM		12V	60/55W	P43t	354
	H7	CA1255UM		12V	55W	PX26d	355

**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

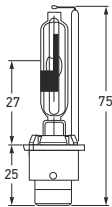
Bulb	Category	Part Number		Voltage	Power Consumption	Base	Page
	H1	C2470TS		24V	70W	P14.5s	356
	H3	YC2470TS		24V	70W	PK22s	357
	H4	XD2475/70TS		24V	75/70W	P43t	354
	H7	CA2470TS		24V	70W	PX26d	355
	H11	CG2470TS		24V	70W	PGJ19-2	359
	P21/5W	S2421/5-TS		24V	21/5W	BAY15d	365
	R5W	G245-TS		24V	5W	BA15s	366
	R10W	G2410-TS		24V	10W	BA15s	366
	T4W	HL244-TS		24V	4W	BA9s	367
	P21W	R2421-TS		24V	21W	BA15s	364
	PY21W	RY2421-TS		24V	21W	BAU15s	364




P/N D2R



P32d-3



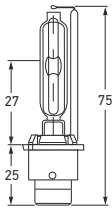
D2 - COLOUR MATCH BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
D2R	12/24V	35W	P32d-3	D2R	
D2R-5K	 12/24V	35W	P32d-3	D2R	





P/N D2S



P32d-2

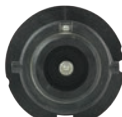


D2S	12/24V	35W	P32d-2	D2S	
D2SUP	 12/24V	35W	P32d-2	D2S	
D2S-5K	 12/24V	35W	P32d-2	D2S	

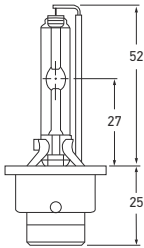
See page 347 for further information on colour match bulbs (5K).
See page 121 for information on power packs and ballast leads.



P/N D4S



P32d-5



D4S					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
D4S	12/24V	35W	P32d-5	D4S	

BASE CODING (VIEWED FROM TOP SIDE)



P32d-2

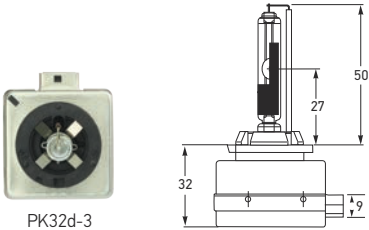


P32d-3



P32d-5

AUTOMOTIVE BULBS



PK32d-3



P/N D1R

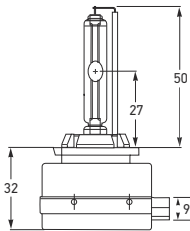
D1					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
D1R	12/24V	35W	PK32d-3	D1R	





P32d-2
P/N D1S/D1SUP



P32d-2
P/N D1S-5K



P/N D1S

D1S	12/24V	35W	PK32d-2	D1S	
D1SUP	 12/24V	35W	PK32d-2	D1S	
D1S-5K	 12/24V	35W	PK32d-2	D1S	

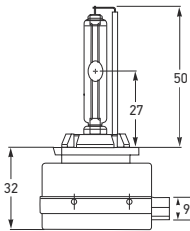
See page 121 for information on power packs and ballast leads.



P/N D1S-5K



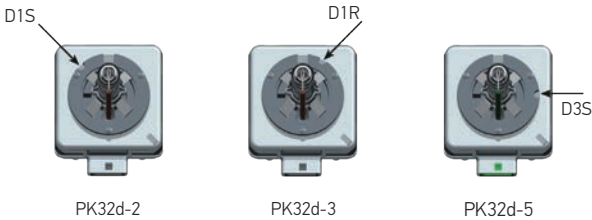
PK32d-5



P/N D3S

D3S					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
D3S	12/24V	35W	PK32d-5	D3S	

BASE CODING (VIEWED FROM TOP SIDE)





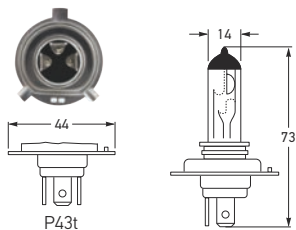
P/N XD1260/55UP



P/N XD1260/55XU



P/N XD2475/70



HALOGEN BULBS - H4 12 VOLT

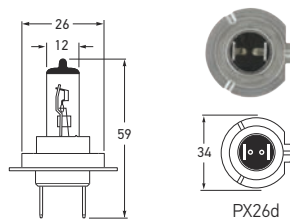
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
XD1260/55	12V	60/55W	P43t	H4	
XD1260/55-BULK	12V	60/55W	P43t	H4	
XD1260/55LL	12V	60/55W	P43t	H4	
XD1260/55X	12V	60/55W	P43t	H4	
XD1260/55X-BULK	12V	60/55W	P43t	H4	
XD1260/55XU	12V	60/55W	P43t	H4	
XD1260/55UP	12V	60/55W	P43t	H4	
XD1260/55UM	12V	60/55W	P43t	H4	
XD1260/55CB	12V	60/55W	P43t	H4	
XD12100/90	12V	100/90W	P43t		
XD12100/90-BULK	12V	100/90W	P43t		

HALOGEN BULBS - H4 24 VOLT

Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
XD2475/70	24V	75/70W	P43t	H4	
XD2475/70-BULK	24V	75/70W	P43t	H4	
XD2475/70TS	24V	75/70W	P43t	H4	
XD2475/70TSBULK	24V	75/70W	P43t	H4	
XD24100/90	24V	100/90W	P43t		
XD24100/90-BULK	24V	100/90W	P43t		

Bulk packs supplied in single cartons.

AUTOMOTIVE BULBS



HALOGEN BULBS - H7 12 VOLT					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CA1255	12V	55W	PX26d	H7	
CA1255-BULK	12V	55W	PX26d	H7	
CA1255LL	12V	55W	PX26d	H7	
CA1255X	12V	55W	PX26d	H7	
CA1255XU	12V	55W	PX26d	H7	
CA1255UP	12V	55W	PX26d	H7	
CA1255UM	12V	55W	PX26d	H7	
CA1255CB	12V	55W	PX26d	H7	

HALOGEN BULBS - H7 24 VOLT					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CA2470	24V	70W	PX26d	H7	
CA2470-BULK	24V	70W	PX26d	H7	
CA2470TS	24V	70W	PX26d	H7	
CA2470TS-BULK	24V	70W	PX26d	H7	

Bulk packs supplied in single cartons.



P/N CA1255UP



P/N CA2470TS



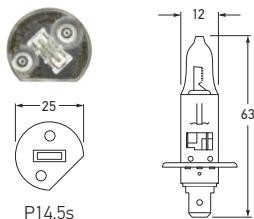
P/N C1255



P/N C1255UP



P/N C1255CB



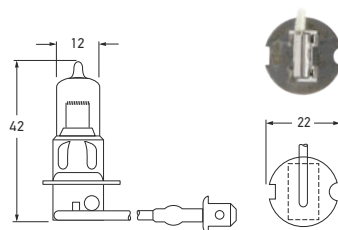
HALOGEN BULBS - H1 12 VOLT

Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category	
C1255		12V	55W	P14.5s	H1	
C1255-BULK		12V	55W	P14.5s	H1	
C1255LL		12V	55W	P14.5s	H1	
C1255X		12V	55W	P14.5s	H1	
C1255XU		12V	55W	P14.5s	H1	
C1255UP		12V	55W	P14.5s	H1	
C1255CB		12V	55W	P14.5s	H1	
C12100		12V	100W	P14.5s		

HALOGEN BULBS - H1 24 VOLT

Part Number		Voltage	Power Consumption	Base	ADR 51/00 Category	
C2470		24V	70W	P14.5s	H1	
C2470-BULK		24V	70W	P14.5s	H1	
C2455		24V	55W	P14.5s		
C2455-BULK		24V	55W	P14.5s		
C2470TS		24V	70W	P14.5s	H1	
C2470TS-BULK		24V	70W	P14.5s	H1	
C24100		24V	100W	P14.5s		
C24100-BULK		24V	100W	P14.5s		

Bulk packs supplied in single cartons.



HALOGEN BULBS - H3 12 VOLT					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
YC1255	12V	55W	PK22s	H3	
YC1255-BULK	12V	55W	PK22s	H3	
YC1235	12V	35W	PK22s		
YC1255LL	12V	55W	PK22s	H3	
YC1255X	12V	55W	PK22s	H3	
YC1255UP	12V	55W	PK22s	H3	
YC1255CB	12V	55W	PK22s	H3	
YC12100	12V	100W	PK22s		
YC12100-BULK	12V	100W	PK22s		



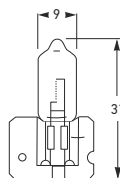
P/N YC1255UP

HALOGEN BULBS - H3 24 VOLT					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
YC2470	24V	70W	PK22s	H3	
YC2470-BULK	24V	70W	PK22s	H3	
YC2455	24V	55W	PK22s		
YC2455-BULK	24V	55W	PK22s		
YC2470TS	24V	70W	PK22s	H3	
YC2470TS-BULK	24V	70W	PK22s	H3	
YC24100	24V	100W	PK22s		
YC24100-BULK	24V	100W	PK22s		

Bulk packs supplied in single cartons.



P/N YC2470TS



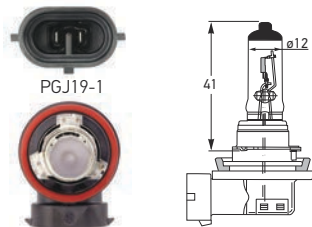
HALOGEN BULBS - H2					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CD1255	12V	55W	X511	H2	
CD2470	24V	70W	X511	H2	



P/N CD2470



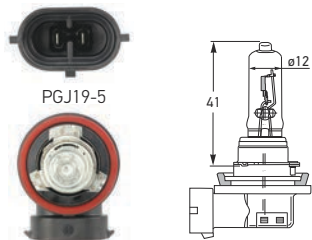
P/N CE1235



HALOGEN BULBS - H8					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CE1235	12V	35W	PGJ19-1	H8	

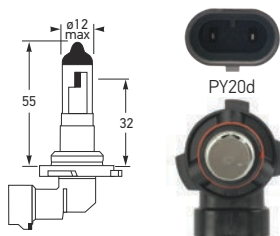


P/N CF1265



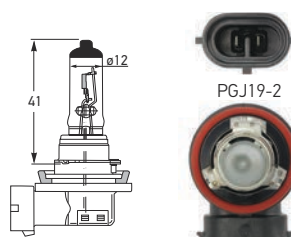
HALOGEN BULBS - H9					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CF1265	12V	65W	PGJ19-5	H9	

AUTOMOTIVE BULBS



P/N CH1242

HALOGEN BULBS - H10					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CH1242	12V	42W	PY20d	H10	



P/N CG1255

HALOGEN BULBS - H11					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CG1255	12V	55W	PGJ19-2	H11	
CG1255X	12V	55W	PGJ19-2	H11	
CG1255UP	12V	55W	PGJ19-2	H11	
CG1255CB	12V	55W	PGJ19-2	H11	
CG2470	24V	70W	PGJ19-2	H11	
CG2470TS	24V	70W	PGJ19-2	H11	



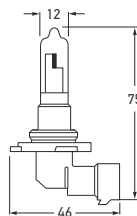
P/N CG1255UP



P/N CG1255CB



P/N CB1265UP

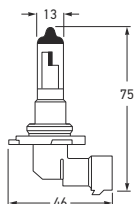


HALOGEN BULBS - HB3 (9005)

Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CB1265	12V	65W	P20d	HB3	
CB1265UP	12V	65W	P20d	HB3	
CB1265CB	12V	65W	P20d	HB3	



P/N CC1255UP

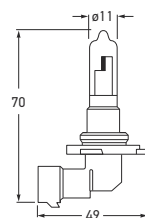


HALOGEN BULBS - HB4 (9006)

Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CC1255	12V	55W	P22d	HB4	
CC1255UP	12V	55W	P22d	HB4	
CC1255CB	12V	55W	P22d	HB4	

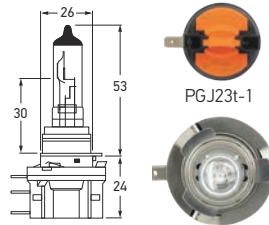



P/N CI1255

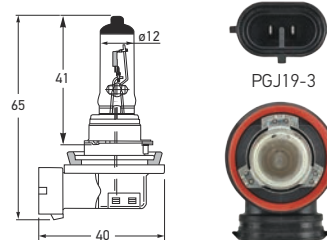


HALOGEN BULBS - H1R2

Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CI1255	12V	55W	PX22d	H1R2	



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



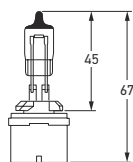
HALOGEN BULBS - H16					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CF1219	12V	19W	PGJ19-3	H16	



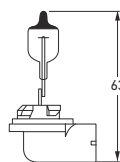
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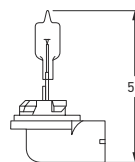
P/Ns CF1237-862,
CF1237-894, CF1250-886,
CF1227-889.



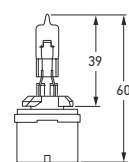
P/N CF1227-880



P/N CF1227-881



P/N CF1227-889



P/N CF1227-890

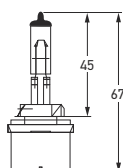
HALOGEN BULBS - 800 SERIES

Part Number	Picture	Voltage	Power Consumption	Base	ADR 51/00 Category	
CF1227-880	4	12V	27W	PG13	880	
CF1227-881	2	12V	27W	PGJ13	881	
CF1227-889	1	12V	27W	PGJ13	889	
CF1227-890	3	12V	27W	PG13	890	

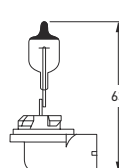
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P/Ns CF1227-881,
CF1227-H27W/2, CF1237-896,
CF1237-898.



P/N CF1227-H27W/1



P/N CF1227-H27W/2

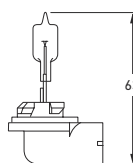
CF1227-H27W/1	4	12V	27W	PG13	H27W/1	
CF1227-H27W/2	2	12V	27W	PGJ13	H27W/2	

3.

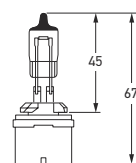


P/N CF1250-885

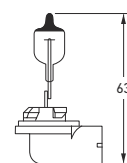
P/Ns CF1227-890



P/N CF1237-862/894



P/N CF1237-893



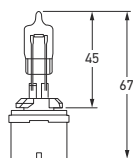
P/N CF1237-896/898

CF1237-862	1	12V	37.5W	PGJ13	862	
CF1237-893	4	12V	37.5W	PG13	893	
CF1237-894	1	12V	37.5W	PGJ13	894	
CF1237-896	2	12V	37.5W	PGJ13	896	
CF1237-898	2	12V	37.5W	PGJ13	898	

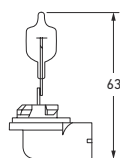
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Figures 3 and 4
configuration



P/N CF1250-885

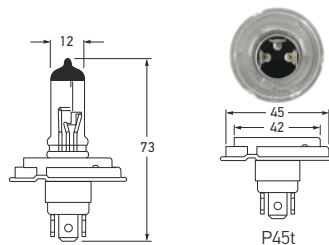


P/N CF1250-886

CF1250-885	3	12V	50W	PG13	885	
CF1250-886	1	12V	50W	PGJ13	886	

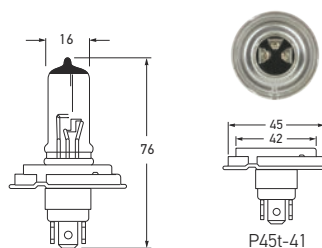
P/Ns CF1227-880,
CF1227-H27W/1,
CF1237-893.

AUTOMOTIVE BULBS



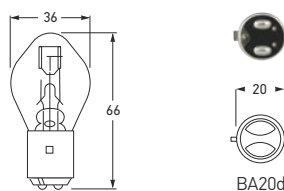
P/N XE1260/55

HALOGEN HEADLAMP BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
XE1260/55	12V	60/55W	P45t-41		
XE2475/70	24V	70/75W	P45t-41		



P/N A1245/40

HEADLAMP BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
A1245/40	12V	45/40W	P45t-41	R2	
A2455/50	24V	55/50W	P45t-41	R2	

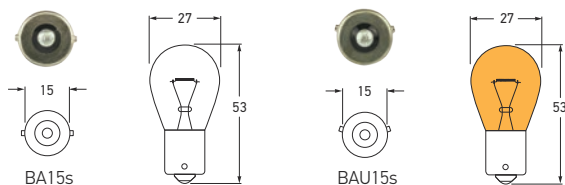


P/N B1245/40

B1245/40	12V	45/40W	BA20d		
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P/N R1221



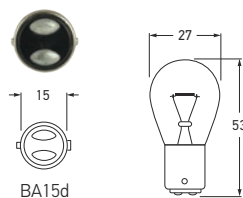
P/N RY1221

BAYONET INDICATOR AND STOP LAMP BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
R1221	12V	21W	BA15s	P21W	
R1221-BULK	12V	21W	BA15s	P21W	
R1221LL	12V	21W	BA15s	P21W	
RY1221	12V	21W	BAU15s	PY21W	
RY1221-BULK	12V	21W	BAU15s	PY21W	
R2418	24V	18W	BA15s		
R2421	24V	21W	BA15s	P21W	
R2421-BULK	24V	21W	BA15s	P21W	
R2421-TS	24V	21W	BA15s	P21W	
RY2421	24V	21W	BAU15s	PY21W	
RY2421-TS	24V	21W	BAU15s	PY21W	

Bulk bulbs (other than Halogen) are sold in packs of 10.



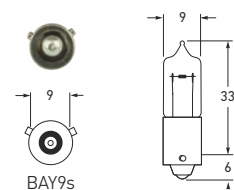
P/N FD1221



FD1221	12V	21W	BA15d	P21W	
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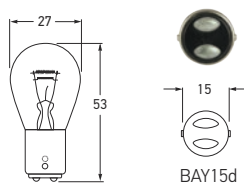


P/N RQ1221



BAYONET HALOGEN INDICATOR AND STOP LAMP BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
RQ1221	12V	21W	BAY9s	H21W	
RQ2421	24V	21W	BAY9s	H21W	

AUTOMOTIVE BULBS



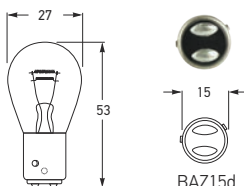
BAY15d



P/N S1221/5V

BAYONET STOP AND TAIL LAMP BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
S1221/5V	12V	21/5W	BAY15d	P21/5W	
S1221/5V-BULK	12V	21/5W	BAY15d	P21/5W	
S1221/5VLL	12V	21/5W	BAY15d	P21/5W	
S2421/5V	24V	21/5W	BAY15d	P21/5W	
S2421/5V-BULK	24V	21/5W	BAY15d	P21/5W	
S2421/5-TS	24V	21/5W	BAY15d	P21/5W	

Bulk bulbs (other than Halogen) are sold in packs of 10.

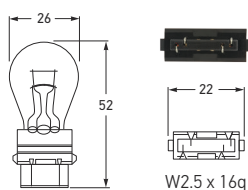


BAZ15d



P/N SZ1221/4

BAYONET EUROPEAN STOP AND TAIL LAMP BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
SZ1221/4	12V	21/4W	BAZ15d	P21/4W	



W2.5 x 16q



P/N WP1227/7

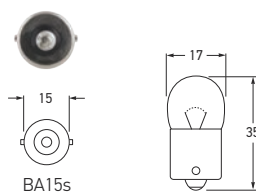


P/N WPA1227/7

PLASTIC BASED BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
WP1227	12V	27W	W2.5 x 16d	P27W	
WP1227/7	12V	27/7W	W2.5 x 16q	P27/7W	
WPA1227/7	12V	27/7W	W2.5 x 16q	PY27/7W	



P/N G125



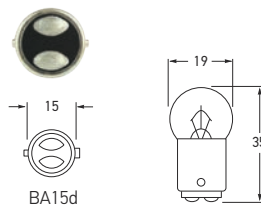
REAR POSITION, MARKER AND CLEARANCE BULBS

Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
G125	12V	5W	BA15s	R5W	
G125-BULK	12V	5W	BA15s	R5W	
G125LL	12V	5W	BA15s	R5W	
G1210	12V	10W	BA15s	R10W	
G1210-BULK	12V	10W	BA15s	R10W	
G245	24V	5W	BA15s	R5W	
G245-BULK	24V	5W	BA15s	R5W	
G245-TS	24V	5W	BA15s	R5W	
G2410	24V	10W	BA15s	R10W	
G2410-BULK	24V	10W	BA15s	R10W	
G2410-TS	24V	10W	BA15s	R10W	

Bulk bulbs (other than Halogen) are sold in packs of 10.

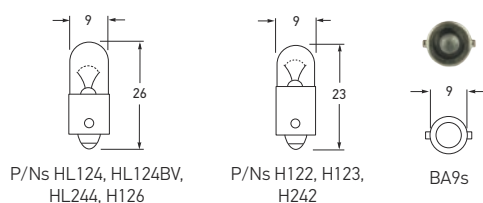


P/N GD125



GD125	12V	5W	BA15d	R5W	
GD245	24V	5W	BA15d	R5W	

AUTOMOTIVE BULBS



PILOT/DASH BULBS						
Part Number	Picture	Voltage	Power Consumption	Base	ADR 51/00 Category	
HL124	1	12V	4W	BA9s	T4W	
HL124-BULK	1	12V	4W	BA9s	T4W	
HL124BV	2	12V	4W	BA9s	T4W	
HL244	1	24V	4W	BA9s	T4W	
HL244-BULK	1	24V	4W	BA9s	T4W	
HL244-TS	1	24V	4W	BA9s	T4W	
HL247	1	24V	7W	BA9s		
H122	3	12V	2W	BA9s		
H123	3	12V	3W	BA9s		
H123-BULK	3	12V	3W	BA9s		
H126	1	12V	6W	BA9s		
H126-BULK	1	12V	6W	BA9s		
H242	1	24V	2W	BA9s		
H242-BULK	1	24V	2W	BA9s		

Bulk bulbs (other than Halogen) are sold in packs of 10.

1.



P/N HL124

2.



P/N HL124BV

3.



P/N H122

LED RETROFITS					
Part Number	Voltage	Power Consumption	Base		
HLLED124	12V	1W	BA9s		
HLLED124-WW	12V	1W	BA9s		

Not for use in marker and signal lamps. WW = warm white (4000°K).



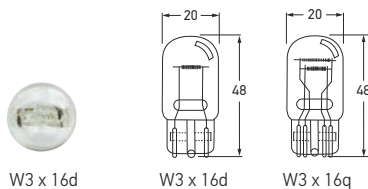
P/N HLLED124



P/N CAP1221



P/N CAPY1221



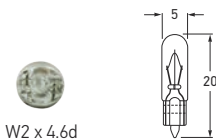
WEDGE BASE BULBS

Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
CAP1221	12V	21W	W3 x 16d	W21W	
CAP1221-BULK	12V	21W	W3 x 16d	W21W	
CAPY1221	12V	21W	W3 x 16d	WY21W	
CAP1221/5	12V	21/5W	W3 x 16q	W21/5W	
CAP1221/5-BULK	12V	21/5W	W3 x 16q	W21/5W	

Bulk bulbs (other than Halogen) are sold in packs of 10.



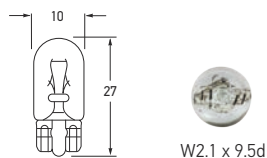
P/N WBL122



W121.2	12V	1.2W	W2 x 4.6d	
W121.2-BULK	12V	1.2W	W2 x 4.6d	
WBL122	12V	2W	W2 x 4.6d	
WS122	12V	2W	W2 x 4.6d	
W241.2	24V	1.2W	W2 x 4.6d	
W241.2-BULK	24V	1.2W	W2 x 4.6d	
WS242	24V	2W	W2 x 4.6d	

Bulk bulbs (other than Halogen) are sold in packs of 10.

AUTOMOTIVE BULBS



W2.1 x 9.5d



P/N W122



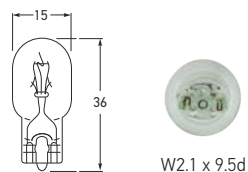
P/N W125BV



P/N WY125

WEDGE BASE BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
W122	12V	2W	W2.1 x 9.5d		
W123	12V	3W	W2.1 x 9.5d	W3W	
W125	12V	5W	W2.1 x 9.5d	W5W	
W125-BULK	12V	5W	W2.1 x 9.5d	W5W	
W125LL	12V	5W	W2.1 x 9.5d	W5W	
W125BV	12V	5W	W2.1 x 9.5d	W5W	
WY125	12V	5W	W2.1 x 9.5d	WY5W	
W242-BULK	24V	2W	W2.1 x 9.5d		
W243	24V	3W	W2.1 x 9.5d	W3W	
W245	24V	5W	W2.1 x 9.5d	W5W	
W245-BULK	24V	5W	W2.1 x 9.5d	W5W	

Bulk bulbs (other than Halogen) are sold in packs of 10.



W2.1 x 9.5d



P/N W1216

WS1212	12V	12W	W2.1 x 9.5d		
W1216	12V	16W	W2.1 x 9.5d	W16W	
W1221	12V	21W	W2.1 x 9.5d		



P/N WLED125

LED RETROFITS					
Part Number	Voltage	Power Consumption	Base		
WLED125	12V	1W	W2.1x9.5d		
WLED125-WW	12V	1W	W2.1x9.5d		

Not for use in marker and signal lamps. WW = warm white (4000°K).



P/N K1221



P/N K2410



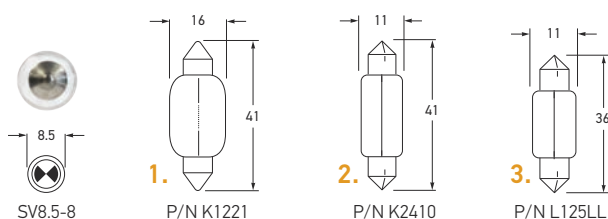
P/N L125LL



P/N M123

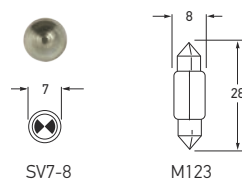


P/N N1210

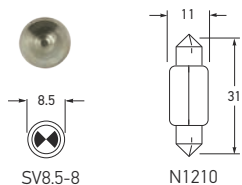


FESTOON BULBS

Part Number	Diagram	Voltage	Power Consumption	Base	ADR 51/00 Category	
K1210	2	12V	10W	SV8.5-8		
K1210-BULK	2	12V	10W	SV8.5-8		
K1221	1	12V	21W	SV8.5-8	C21W	
K1221-BULK	1	12V	21W	SV8.5-8	C21W	
K2410	2	24V	10W	SV8.5-8		
K2410-BULK	2	24V	10W	SV8.5-8		
K2421	1	24V	21W	SV8.5-8		
K2421-BULK	1	24V	21W	SV8.5-8		
L125	3	12V	5W	SV8.5-8	C5W	
L125-BULK	3	12V	5W	SV8.5-8	C5W	
L125LL	3	12V	5W	SV8.5-8	C5W	
L1210	3	12V	10W	SV8.5-8		
L245	3	24V	5W	SV8.5-8	C5W	
L245-BULK	3	24V	5W	SV8.5-8	C5W	
L2410	3	24V	10W	SV8.5-8		
L2410-BULK	3	24V	10W	SV8.5-8		



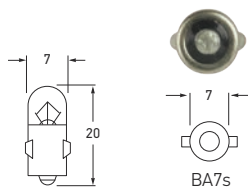
M123		12V	3W	SV7-8		
M123-BULK		12V	3W	SV7-8		
M243		24V	3W	SV7-8		
M243-BULK		24V	3W	SV7-8		



N1210		12V	10W	SV8.5-8		
N1210-BULK		12V	10W	SV8.5-8		

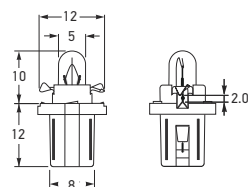
Bulk bulbs (other than Halogen) are sold in packs of 10.

AUTOMOTIVE BULBS



P/N J122

MINIATURE BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
J122	12V	2W	BA7s		
J243	24V	3W	BA7s		



P/N WD121.2-BULK

DASHBOARD BULBS					
Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
WD121.2-BULK	12V	1.2W	B8.5d		
WD241.2-BULK	24V	1.2W	B8.5d		

Bulk bulbs (other than Halogen) are sold in packs of 10.

LED RETROFITS					
Part Number	Voltage	Power Consumption	Base		
LLED125	12V	1W	SV8.5-8		
LLED125-WW	12V	1W	SV8.5-8		

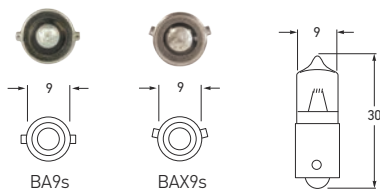
Not for use in marker and signal lamps. WW = warm white (4000°K).



P/N LLED125



P/N YL125

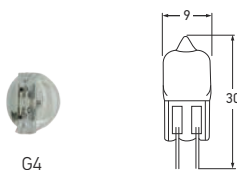


HALOGEN/INTERIOR BULBS

Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
YL125	12V	5W	BA9s		
YL126	12V	6W	BAX9s	H6W	
YL1210	12V	10W	BA9s		
YL1220	12V	20W	BA9s		



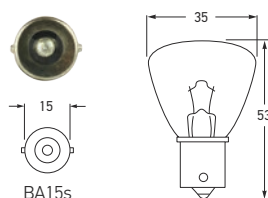
P/N YM1210



YM125	12V	5W	G4		
YM1210	12V	10W	G4		
YM1220	12V	20W	G4		
YM2410	24V	10W	G4		
YM2420	24V	20W	G4		



P/N U1245



SPECIAL BULBS FOR EMERGENCY FLASHER AND REVOLVING LAMPS

Part Number	Voltage	Power Consumption	Base	ADR 51/00 Category	
U1245	12V	45W	BA15s		
U2445	24V	45W	BA15s		

FLUORESCENT TUBES			
Part Number	Voltage	Power Consumption	To Suit
9.2642.02	12/24V	7W	P/Ns 2642 and 2642-24V
9.2643.02	12/24V	11W	P/Ns 2643 and 2643-24V
TL8W/336J	12/24V	8W	P/Ns 2644 and 2644-24V



STROBE TUBES				
Part Number	Voltage	Power Consumption	Base	To Suit
XN000	12-72V	2 Joules	Circuit Board	Firebolt
XN451	12-48V	8 Joules	Circuit Board	Pulsator 451

