



Lighting Programme 2007/2008

Automotive lamps

SEE THE WORLD IN A NEW LIGHT



Contents.

12V

24V

12V & 24V

XENARC®

Users	User profile/target group	USPs		ECE	
The active type	• Safety-conscious high-mileage and night-time drivers	• Up to 50 % more light on the road ¹⁾ • Cone of light up to 20 m longer ¹⁾ • Ideal light for the night	SILVERSTAR®	H1, H4, H7	14
	• Drivers who want a sophisticated look and a xenon-style light	• Bright bluish white light (up to 4000 K) • Up to 20 % more light ¹⁾³⁾ • Light and design in perfect harmony	COOL BLUE®	H1, H3, H4, H7, HB3, HB4, T4W, W5W, H6W	16
	• Careful drivers (e. g. those with families) who drive with lights on during the day	• Lasts up to three times longer • Designed for day-and-night operation • Greater safety thanks to daytime running light	LIGHT@DAY®	H1, H4, H7, H6W, P21/5W, R5W, R10W, T4W, W5W, C5W	18
	• Drivers who are looking for tried and trusted lamps to meet normal requirements	• OEM quality • Tried and tested millions of times • Excellent price/performance ratio	STANDARD LINE 12V	Complete sales programme	20
The professional type	• Safety-conscious truck and bus drivers who want longer lamp replacement intervals	• Up to 100 % more light on the road ¹⁾ • 100 % longer life ¹⁾ • Rugged and durable (Heavy duty)	TRUCKSTAR®	H1, H3, H4, H7, H11, T4W, R5W, R10W, P21W, PY21W	26
	• Drivers who are looking for tried and trusted lamps to meet normal requirements	• OEM quality • Tried and tested millions of times • Excellent price/performance ratio	STANDARD LINE 24V	Complete sales programme	28
The independent type	• Car and truck drivers who always want maximum safety	• The right lamp always available • User replacement • Easy identification of the right lamp	Spare lamp kits, cars and trucks	H1, H4, H7, R2, H7/H1, H1/H3	32
	• For off-road machinery ²⁾ • For rally drivers ²⁾	• Best possible illumination of the work area • Maximum luminous efficacy and high lamp performance • Professional version for all machinery and off-road vehicles ²⁾	OFFROAD ²⁾ High-performance halogen headlight lamps		36
The innovative type	• Drivers fascinated by technology who want maximum vision and visibility	• The best light for the road • More light than any halogen lamp • Longer life than any halogen lamp	XENARC® Gas discharge headlight lamps	D1S, D1R, D2S, D2R	38

All OSRAM 12V and 24V halogen automotive lamps are UV-reduced. They are fully compatible with existing lamps and comply with all relevant standards such as ECE R 37 (except off-road lamps).

1) Compared with standard lamps (depending on the headlight system)
2) Not approved for use on public roads.
3) Subjective impression.

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See the world in a new light.

When it comes to light, we are the experts. For 100 years OSRAM has been providing its customers with first-class quality and excellent levels of service. Years of experience in lighting and our expertise in the development of new technologies have made us what we are today: one of the two leading lighting manufacturers in the world.



Project with A & O Lighting

Light is life.

Without light there would be no life. In our modern society we now work and play outside normal daylight hours. People work at night, houses are bathed in light and streets are brightly lit. The demands that automotive lamps have to meet are also rising as more and more traffic takes to the roads at night. To meet these demands OSRAM offers its innovative technologies and solutions for the benefit of its customers. Lamps and lighting systems from OSRAM provide comfort and safety and promote progress in science and technology.

OSRAM is your partner.

OSRAM provides first-rate support for its customers in around 150 countries throughout the world. Our innovative technology goes hand in hand with quality without compromise, the highest standards of workmanship and long product life. It far exceeds the requirements of international standards, for example in environmental compatibility. The highly developed order processing system operated by our sales logistics team is the basis for a reliable delivery service. OSRAM also supports retailers with training and advertising activities.



A passion for intelligent light.

OSRAM is the world number one in automotive lighting. And for good reason. The key to its success is its commitment to research. Hardly surprising then that just about every major international car manufacturer equips its vehicles with OSRAM lamps at the factory. OSRAM therefore also covers the spare parts market with products that have the same high quality that manufacturers demand for their new cars (as per GVO EG1400/2002).

Environmentally friendly lighting systems and systematic innovation management.

OSRAM has a global innovation management team that systematically evaluates ideas for new products and assesses them for their potential customer benefits. These may be technical innovations, new areas of application or improved services. The focus is on energy-efficient light sources that contain little or no materials that are harmful to the environment, such as the mercury-free XENARC® headlight lamp.



OSRAM – a partner for retailers.

Apart from high-quality lamps, the name of OSRAM also stands for a high level of lighting expertise. OSRAM also has impressively effective marketing strategies and excellent sales logistics, providing the ideal platform from which retail partners can maximise their sales potential and increase their profit margins.



A unified approach.

OSRAM provides its retail partners with extensive advertising material as part of sophisticated holistic concepts to catch the attention of end customers. For example, when daytime running light became law in Austria OSRAM ran a concentrated campaign at the time extolling the virtues of LIGHT@DAY®.

A love of detail.

For OSRAM it is the workshops that provide the interface to end customers. As a manufacturer also of spare parts, OSRAM is therefore always looking for ways of making the day-to-day work of mechanics easier, for example by publishing application lists that provide a clearly structured overview of current vehicle makes and models and the right lamps for these models. Another good example is the automotive lamp sales cabinet, which not only looks good but also features an integrated lamp tester, clear arrangement of the lamps and space for sundry supplies.

We also make use of the effect of sales promotion material that makes end consumers aware of how important high-quality vehicle lighting is in terms of road safety. Such material includes posters that grab the attention and provide customers with clear information on the various program families. OSRAM also offers folders, floor-standing and counter displays that can be placed in workshops or retail outlets to catch the eye.



Individually tailored.

For end consumer advertising OSRAM relies on continual advertising campaigns and intensive press liaison work. In this regard, OSRAM is participating as the official lamp partner in the nationwide German "Light Test" campaign run by the German Association for Motor Trades and Repairs.

To give retail partners an opportunity to raise their profiles among workshops, OSRAM runs individual campaigns that address the specific needs of various customer target groups. For example, sales material can carry the retailer's own logo. OSRAM also organises sales competitions and provides support in the form of end consumer activities and exclusive product campaigns. Contact OSRAM for further information.

Special services for retailers.

OSRAM also supports retailers with electronic ordering. OSRAM is not only TecCom-compatible but all the article data is available in TecDoc. We can set up classic EDI networks if requested. Our ordering system also supports the CAP message standard. For further information about OSRAM go to www.osram.com or the e-business platform at www.myosram.com where you can also place orders easily and directly.

You can rely on us.

For OSRAM, being a partner for retailers is not an empty slogan, it is a genuine maxim backed by a wide range of activities and campaigns. In OSRAM, retailers have a partner they can rely on at all times and in all circumstances.



Ready for the future: with intelligent solutions.

Thanks to the continual development of its successful products, OSRAM is the world market leader in automotive lighting. To consolidate and extend its lead, OSRAM invests 5 % of its sales each year in research and development for the technologies of the future.



Vehicle lamps from OSRAM: leading the market through innovation.

Through its policy of constant research, OSRAM has for many years been leading the field in the automotive lighting sector and will continue to do so. OSRAM lamps are fitted in more than half of all new vehicles that leave the factories. This is not only because of OSRAM's quality without compromise. It is as much because of the tremendous care that OSRAM takes in developing new products. OSRAM invests a sizeable proportion of its revenue in the development of new products so that partner workshops and retailers can enjoy continued success in the fiercely contested vehicle lamp market.

Nowadays, being innovative primarily means raising quality standards and offering intelligent solutions to ensure market success over lamps of inferior quality. OSRAM TRUCKSTAR® for example shines up to 100 % more light on the road¹⁾ than a conventional 24 V lamp and will last 100 % longer. OSRAM SNAP^{IN}LITE® has a clever base design that will give designers the freedom to create stylish new headlights.

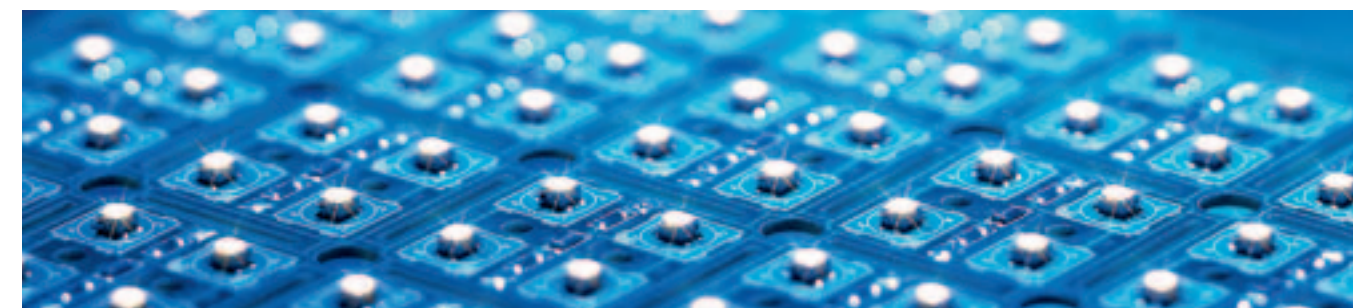
OSRAM lamps give all partners a clear advantage on the market. The exclusivity and excellent quality of these lamps result in high levels of customer loyalty, which in turn translates into considerable long-term sales potential. This is be-

cause OEM equipment today is the spare parts market of tomorrow. OSRAM therefore offers retailers and workshops the security of a promising sales future. We think ahead – so you have an easier future.

Packaging concepts from OSRAM: the subtle difference.

In addition to innovative products, OSRAM places great value on attractive and intelligent packaging solutions that are perfectly tailored to the day-to-day demands of the target group. It is our aim not only to provide our customers with products and services of the highest quality but also to make their day-to-day working lives as easy as possible. The new OSRAM workshop packaging for example has clear graphics so the contents can be readily identified. The packaging is also easy to handle and provides all the necessary information at a glance.

The new duo boxes is another packaging concept that we have introduced to help our customers. With their attractive design, ease of handling and helpful pictograms that show the specific benefits of the product, these boxes really sell themselves. With its optimised packaging solutions, OSRAM is making a significant contribution to rising sales among its retail partners.



1) Compared with standard lamps (depending on the headlight system).



Quality is not to be taken “lightly”.



“Total Quality Management” (TQM) is the principle on which OSRAM defines its quality standards. It covers the demands that we place on the finished products, components and parts, and also the requirements for optimising our processes and organisation. Compliance with this principle is confirmed by the fact that our quality management system has been certified to ISO 9001 and our environmental management system to ISO 14001.

OSRAM manufactures for OSRAM.

One of our principles is to develop as much of our own production facilities as possible by ourselves. We manufacture major prematerials, develop our own production processes and construct complex, computer-controlled production plants. Development and manufacture of all products at OSRAM is certified to DIN EN ISO 9001.

The “Automotive Lighting” division and all the lamp manufacturing plants producing for this division are certified to TS 16949 (special quality management requirements for automotive suppliers).

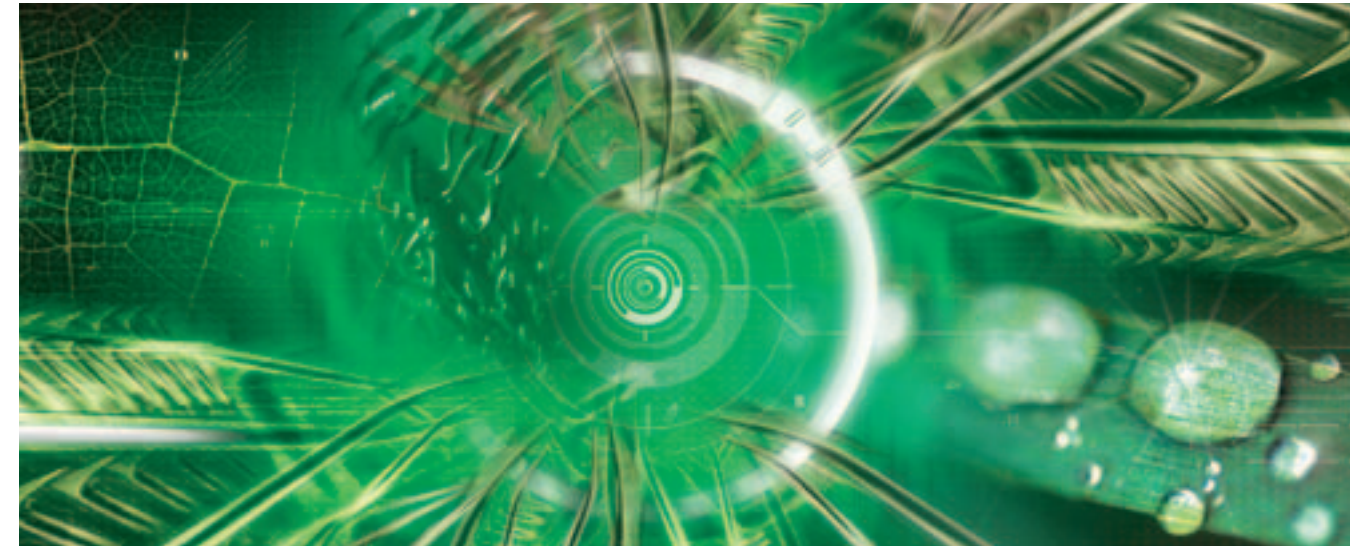
Our aim is to get better and better.

To keep our strategies and activities in perfect tune with the needs of our customers, we are in close contact with all our lobby groups. What’s more, we conduct extensive and targeted opinion polls among customers in 29 different countries each year. In this way we are able to improve the quality of our products and services and defend our number one position in the face of tough international competition.

Vehicle lamps from OSRAM are renowned for their outstanding precision, reliable operation and impressive ruggedness. They put the ideal amount of light on the road without blinding oncoming drivers¹⁾ and therefore contribute greatly to road safety. All the lamps comply with the quality requirements of car manufacturers and therefore surpass the requirements of European standards. You can always rely on OSRAM lamps.

¹⁾ if used as specified.

Think of the environment, act responsibly.



As one of the two largest manufacturers of lamps in the world, OSRAM has long been committed to protecting the environment. We put the greatest possible emphasis on environment protection throughout the entire lives of all our products – from manufacture, through actual use to final disposal. This includes the use of environmentally friendly raw materials, the development of energy-saving products, reduction of waste in production, efficient packaging and economical use of energy in all production processes.

In production and material selection, OSRAM not only meets all the statutory requirements, it exceeds them – in some cases by considerable margins.

93 % recycling instead of 100 % waste.

Recycling is also of major importance to OSRAM. Even when they come to the end of their lives, lamps are useful for the valuable raw materials they can provide. For more information on lamp recycling go to www.osram.com. Since 1996, our factories throughout the world have been certified, one by one, to ISO 14001, the international standard for environmental management systems.

Self-regulation.

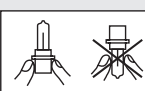
As a company with great environmental awareness, OSRAM not only complies with the statutory bans on dangerous substances but also avoids or at least minimises the use of those substances that are harmful to the environment but are still permitted. What’s more, OSRAM researchers are constantly looking for suitable alternatives. For example, with its D3 HID headlight system OSRAM Automotive Lighting is the world’s first supplier of an entirely mercury-free HID systems comprising lamp and control gear. In addition, not only does OSRAM use lead-free glass for its headlights and auxiliary lights, as required by EU directive 200/53/EU, but has also switched over to lead-free solder even though the directive does not call for this.



For more information on light and the environment go to www.osram.com.

The same rights for everyone for greater safety.

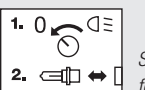




Do not touch the glass bulb; hold the base when inserting



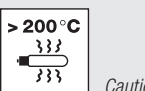
Lamp cannot be dimmed



1. 0
2.   Switch off lights before replacing lamp



Do not use the lamp if the glass bulb is scratched or damaged



> 200°C
Caution: hot



Operate only in shielded luminaires



Wear suitable gloves when fitting or removing



High levels of UV radiation



Wear suitable goggles when fitting or removing



Ignition procedure for lamps with external igniter



Do not throw away with household waste



Dangerous voltage



Electronic control gear should be installed and maintained only by qualified electricians



Protect against splashes

OSRAM has always focused on high product quality, and the health and safety of the consumers of its products. The directive on product safety¹⁾, which came into force on January 15, 2004, creates the same conditions in all EU member states and standardises the safety requirements relating to products. The directive promises greater safety and transparency for the consumer.

To meet our obligations arising from this directive, we provide information regarding our products on the products themselves, on the packaging and on the leaflets enclosed with the products. Because there are so many different languages in the EU we use pictograms.

1) Directive 2001/95/EC of the European Parliament and of the Council of December 3, 2001.

Ordering by EAN code.

OSRAM has switched from the old order numbers to EAN codes. As far as you are concerned, this means that you should now quote the EAN code instead of the old order number in all orders, enquiries and so on.

The EAN code defines a set of unique international article numbers and is managed by an independent organisation. Thanks to its use worldwide and high level of acceptance it is ideal for identifying products and makes ordering a lot easier. The article number is used to order a particular consumer unit, so it basically corresponds to the old order number.

100

OSRAM

H7 • SILVERSTAR
12V • 55W • PX26D
64210SVS

pieces	Art.No.	4050300	629643
1	Multipack	4050300	629650
10 (10x1)	Shipping box		
100		4 050300 629667	
10x(10x1)			


(02)04050300629643(37)100


(93)A3335680102

Made in Germany **A 333 568 01 02** 15.07.04
xxx 13:51:54

www.osram.com
OSRAM GmbH
Steinerne Furt 62
86167 Augsburg
Germany

1) Article number = 1 lamp in FB or 1 blister
2) Multipack = 10 FBs (folded boxes)
3) Shipping box = 100 FBs (folded boxes)

How many lamps do you order with the article number?



Article number (consumer unit) corresponds to 1 FB with 1 lamp



Article number (consumer unit) corresponds to 1 lamp (multipack contains 10 lamps)



Article number (consumer unit) corresponds to 1 blister with 1 lamp



Article number (consumer unit) corresponds to 1 blister with 2 lamps



OSRAM SILVERSTAR® – more power, greater safety.

Drivers can rely on OSRAM SILVERSTAR® lamps as powerful night-time companions. When the sun goes down, light is a precious commodity – and SILVERSTAR® provides plenty of it.

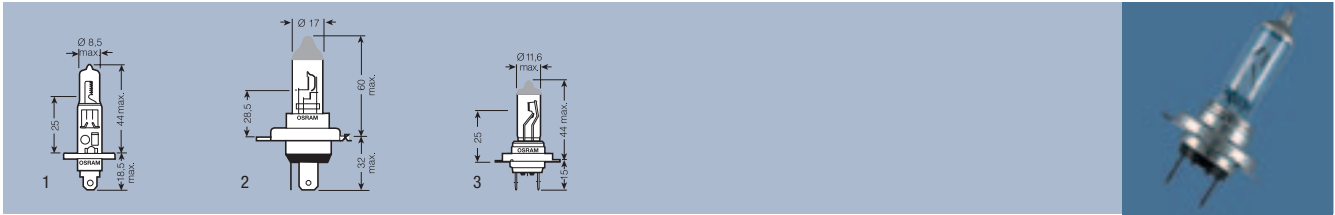


Safety in the dark.

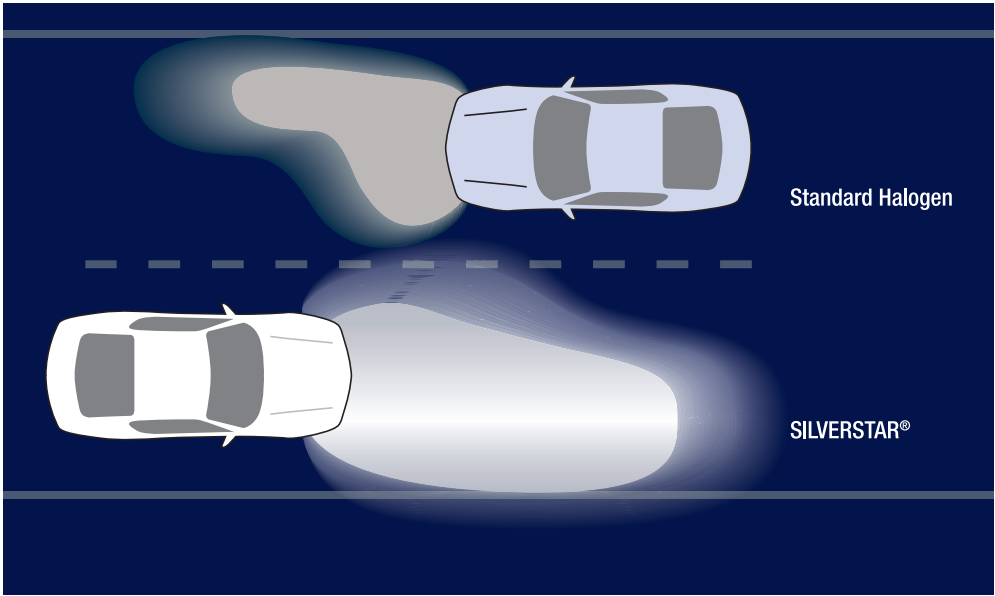
Long journeys at night call for full concentration on the part of the driver. A lamp with better illumination of the road will make driving easier and raise awareness considerably. Vehicles equipped with OSRAM SILVERSTAR® therefore have a crucial advantage in terms of safety. Up to 50 % more light on the road 50 to 75 m in front of the vehicle enables drivers to see road signs, obstacles and other dangers sooner so they can react in good time.

SILVERSTAR® speaks for itself.

- Up to 50 % more light on the road for greater safety.
- Up to 20m longer light beam, equivalent to four or five car lengths, giving extra reaction time.
- Modern design with silver cap, ideal for all clear-glass headlights (H4/H7).
- Meets the strict quality requirements of car manufacturers.
- The ideal family of lamps for active drivers.



Article reference	Article no. Consumer unit							Article no. Shipping unit	
SILVERSTAR® – up to 50 % more light on the road ahead									
64150SVS ¹⁾	4050300647852	•	H1	12	55	P14.5s	1	4050300647876	100
64193SVS ²⁾	4050300629711	•	H4	12	60/55	P43t	2	4050300629735	100
64210SVS ¹⁾²⁾	4050300629643	•	H7	12	55	PX26d	3	4050300629667	100



1) Lamps comply with ECE R 37 and SAE (DOT) regulations.
2) With silver cap.



OSRAM COOL BLUE® – stylish and safe.

OSRAM COOL BLUE® provides powerful light on the road. Its stylish bright bluish white is almost in the same league as the light from attractive XENON lamps.



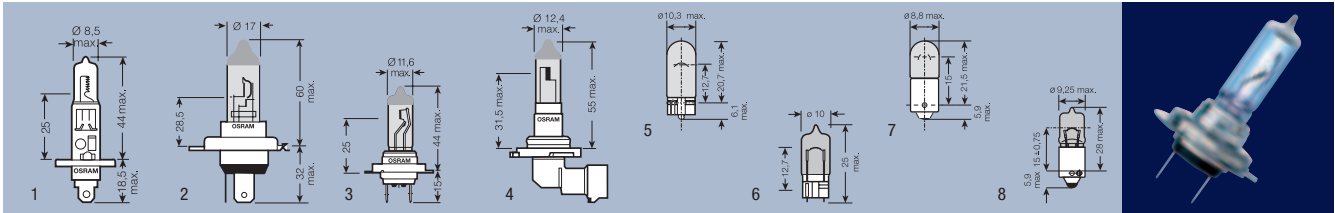
Cool light, strong effect.

COOL BLUE® produces high-contrast light similar to natural daylight and is therefore easier on the eye than the light from conventional headlights. Its bright bluish white light has a colour temperature of up to 4000K, so it is not just an attractive lamp for style-conscious drivers it also puts many other “blue” lamps firmly in the shade. COOL BLUE® H7 and H4 lamps have an eye-catching design. Behind the clear glass the silver cap blends perfectly with the reflector.

Features at a glance.

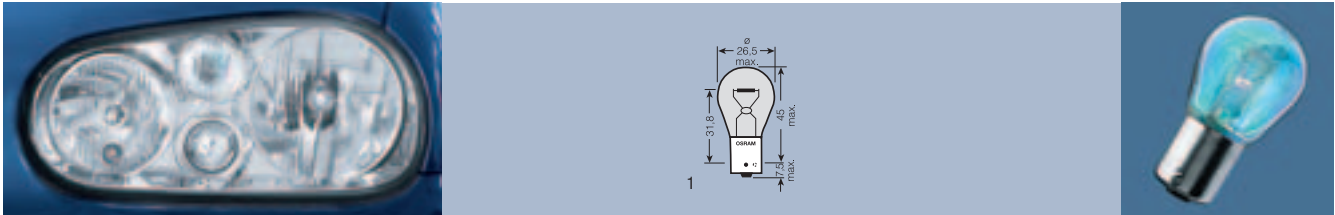
- Modern bluish-white light (up to 4000K, similar to light from xenon lamps).
- Up to 20 % brighter than standard lamps¹⁾.
- High-contrast illumination of the road.
- Daylight colour.
- Optimised design with a silver cap (H7/H4), ideal for clear-glass headlights.
- Meets the strict quality requirements of car manufacturers.
- Stylish looks for design-conscious drivers.

1) Subjective impression.



Article reference	Article no. Consumer unit							Article no. Shipping unit	
COOL BLUE® – designer lamps with a bright bluish white light colour									
64150CB ¹⁾	4050300575209	•	H1	12	55	P14.5s	1	4050300575223	100
64151CB ¹⁾	4050300647920	•	H3	12	55	PK22s	3 ²⁾ , 21	4050300647944	100
64193CB ³⁾	4050300552255	•	H4	12	60/55	P43t	2	4050300552279	100
64210CB ¹⁾²⁾	4050300580197	•	H7	12	55	PX26d	3	4050300580210	100
9003CB ¹⁾²⁾	4050300575179	•	HB2 ³⁾ /H4	12	60/55	P43t	2	4050300575193	100
9005CB ¹⁾	4050300189673	•	HB3	12	60	P20d	4	4050300189680	100
9006CB ¹⁾²⁾	4050300189697	•	HB4	12	51	P22d	4	4050300189703	100
2825CB	4008321094636	•	W5W	12	5	W2.1x9.5d	5	4008321094650	50
2825HCB	4008321095169	•	W5W	12	5	W2.1x9.5d	6	4008321095183	50
3893CB	4008321095664	•	T4W	12	4	BA9s	7	4008321095688	50
64132CB	4008321094957	•	H6W	12	6	BAX9s	8	4008321094971	50

Showing its colours: the DIADEM® indicator lamp.



Article reference	Article no. Consumer unit							Article no. Shipping unit	
DIADEM® indicator lamp with interference layer for neutral appearance and amber signal light									
7507LDA	4050300833606	•	PY21W	12	21	BAU15s	1	4050300539324	200

1) Lamps comply with ECE R 37 and SAE (DOT) regulations.
2) With silver cap.
3) SAE category reference, H4 with strict geometrical tolerances.

DIADEM® indicator lamps have the most advanced interference coating. The surface of DIADEM® lamps therefore has an opal appearance. The lamp only appears amber when it flashes. This design effect is ideal for all indicator lights with clear covers.

Safe throughout the day –
with OSRAM LIGHT@DAY®.

With OSRAM LIGHT@DAY®, safety is as clear as day. Even in difficult weather conditions during the day vehicles fitted with these lamps can be easily seen by other road users.

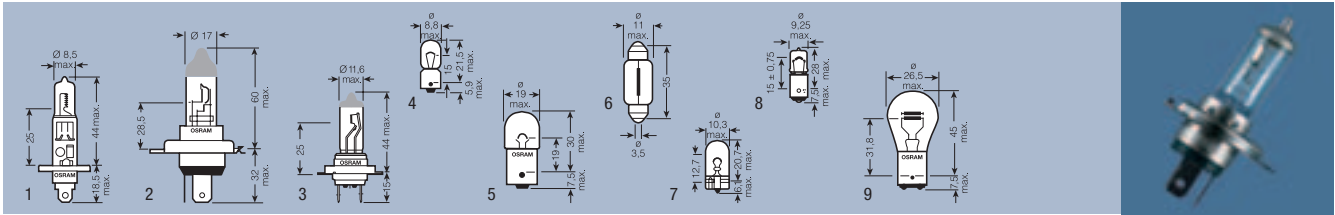


Tasteful accident prevention.

Poor visibility is one of the most frequent causes of accidents on the road. To help ensure that vehicles are more clearly visible for other road users, some countries in Europe have already made driving on headlights during the day compulsory (daytime running light). This is an effective way of reducing the risk of accidents. As a standard lamp would have to be replaced much more often if it were in use both day and night, OSRAM has developed a powerful lamp with a long service life, the LIGHT@DAY®. Even if used round the clock these lamps do not have to be replaced any more often than standard lamps that are only used at night. What's more, because of their silver cap they look really good in clear-glass headlights.

In safe hands day after day.

- Lasts up to three times longer than standard lamps despite day and night use, no need for more frequent replacements than usual.
- Daytime running light considerably reduces the risk of accidents.
- Optimised design with a silver cap (H7/H4), ideal for clear-glass headlights.
- Meets the strict quality requirements of German car manufacturers.
- The LIGHT@DAY® family of lamps is the perfect choice for safety-conscious drivers.



Article reference	Article no. Consumer unit							Article no. Shipping unit	
LIGHT@DAY® – automotive lamps for constant use (day and night running light)									
64150D ¹⁾	4050300773834	•	H1	12	55	P14.5s	1	4050300773858	100
64193D ²⁾	4050300773773	•	H4	12	60/55	P43t	2	4050300773797	100
64210D ¹⁾²⁾	4050300773711	•	H7	12	55	PX26d	3	4050300773735	100
64211D	Projected	•	H11	12	55	PGJ19-2	8 ^{p. 21}	Projected	100
3893D	4008321095633	•	T4W	12	4	BA9s	4	4008321095657	50
5007D	4008321095268	•	R5W	12	5	BA15s	5	4008321095282	50
6418D	4008321094230	•	C5W	12	5	SV8.5-8	6	4008321094254	50
2825D	4008321094506	•	W5W	12	5	W2.1x9.5d	7	4008321094629	50
64132D	4008321094926	•	H6W	12	6	BAX9s	8	4008321094940	50
5008D	4008321095305	•	R10W	12	10	BA15s	5	4008321095329	50
7506D	Projected	•	P21W	12	21	BA15s	22 ^{p. 22}	Projected	50
7507D ³⁾	Projected	•	PY21W	12	21	BAU15s	22 ^{p. 22}	Projected	50
7528D	4008321091062	•	P21/5W	12	21/5	BAY15d	9	4008321091086	50

Compulsory daylight running light throughout
the year in:

Denmark, Estonia, Finland, Iceland, Italy, Croatia, Latvia,
Macedonia, Norway, Sweden, Slovenia, the Czech Republic,
Austria and Hungary.

Compulsory daylight running light in the winter
months in:

Poland (October 1 to February 28)
Lithuania (November 1 to March 1)
Slovakia (October 15 to March 15)

Daylight running light is recommended in:

Germany, France and Switzerland.

Restricted daylight running light in:

Portugal – only on the IP5 motorway.



1) Lamps comply with ECE R 37 and SAE (DOT) regulations.
2) With silver cap.
3) Amber lamps for clear indicators.



The classic:
OSRAM STANDARD LINE 12V.

The lamps in the OSRAM STANDARD LINE 12V family are highly reliable and have an excellent price/performance ratio. Customers who need to know exactly what they are getting and who appreciate good quality will be making the right choice with the STANDARD LINE 12V.

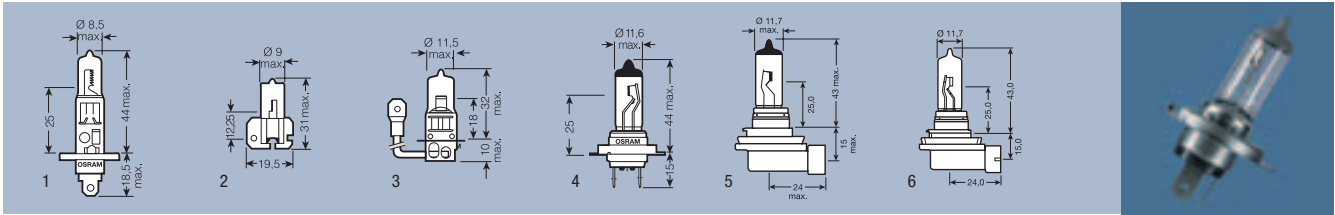


Peak performance – dependable and cost-effective.

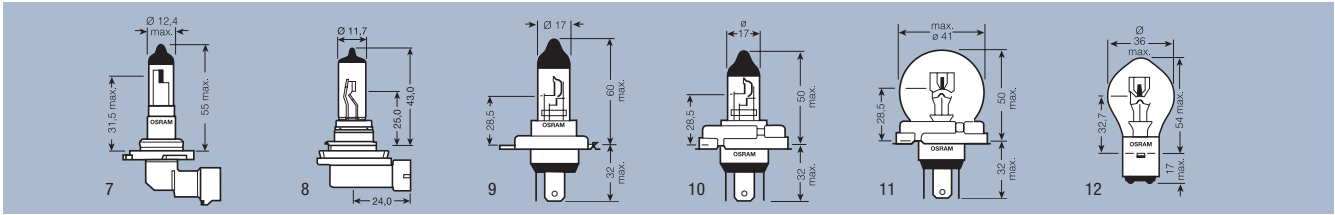
It is certainly no coincidence that OSRAM is the world market leader in vehicle lamps. Either as standard initial equipment or as spare parts, the STANDARD LINE 12V family is an extremely popular and successful workhorse. With its excellent price/performance ratio and outstanding workmanship it is the lamp of choice for a wide range of customers. Its combination of first-class quality, convincing brightness and reliable service life gives it a real advantage over other products on the market. The amount of light produced does not decrease over time but remains well within the prescribed safety margins from day one till the very end.

The tried and tested solution for standard requirements.

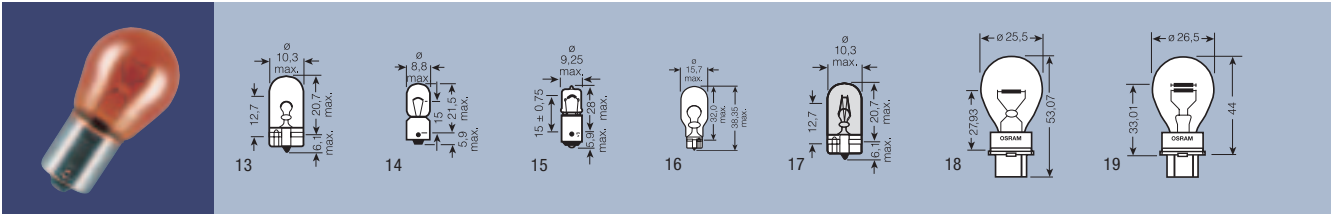
- OEM quality at a good price.
- Successfully used in millions of new cars from renowned manufacturers.
- Reliable service life and convincing brightness.
- The standard family of halogen lamps for price-conscious drivers.



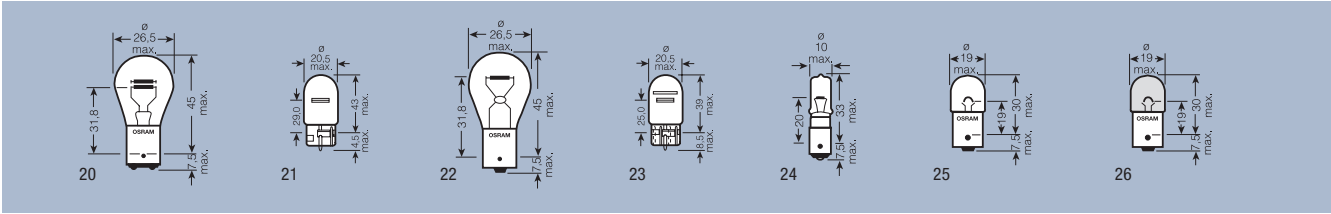
Article reference	Article no. Consumer unit							Article no. Shipping unit	
Single-coil headlight lamps for innovative dual headlight systems									
64150 ¹⁾	4050300001487	•	H1	12	55	P14.5s	1	4050300206837	100
64173	4050300016559	•	H2	12	55	X511	2	4050300213590	100
64151 ¹⁾	4050300001494	•	H3	12	55	PK22s	3	4050300211183	100
64210 ¹⁾	4050300332185	•	H7	12	55	PX26d	4	4050300332208	100
64212 ¹⁾	4050300498751	•	H8	12	35	PGJ19-1	5	4050300498775	100
64213 ¹⁾	4050300524368	•	H9	12	65	PGJ19-5	6	4050300524382	100
9145 ¹⁾	4050300186320	•	H10	12	42	PY20d	7	4050300186337	100
64211 ¹⁾	4050300524313	•	H11	12	55	PGJ19-2	8	4050300524337	100
9055 ¹⁾	4050300193991	•	H12	12	53	PZ20d	39 ^{p. 24}	4050300194011	100
64242 ³⁾	4008321055422	•	H8B	12	35	PGJY-1	43 ^{p. 24}	4008321055446	100
64243 ³⁾	4008321055477	•	H9B	12	65	PGJY-5	44 ^{p. 24}	4008321055491	100
64241 ³⁾	4008321054654	•	H11B	12	55	PGJY-2	43 ^{p. 24}	4008321054678	100
9005 ¹⁾	4050300137193	•	HB3	12	60	P20d	34 ^{p. 24}	4050300137216	100
9005XS ¹⁾	0046135320408	•	HB3A	12	60	P20d	35 ^{p. 24}	4050300721996	100
9006 ¹⁾	4050300012650	•	HB4	12	51	P22d	36 ^{p. 24}	4050300722221	100
9006XS ¹⁾	On request	•	HB4A	12	51	P22d	37 ^{p. 24}	On request	
Dual-coil BILUX® headlight lamps for normal headlight systems									
64193	4050300001470	•	H4	12	60/55	P43t	9	4050300212074	100
9003 ¹⁾	4050300308975	•	HB2	12	60/55	P43t	9	4050300308999	100
64185	4050300439969	•	HS1	12	35/35	PX43t	9	4050300439983	100
64183 ²⁾	4050300350554	•	R2	12	45/40	P45t	10	4050300350578	100
7951	4050300001500	•	R2	12	45/40	P45t	11	4050300205113	100
7326	4050300271248	•	S1	12	25/25	BA20d	12	4050300271262	100
7327	4050300016375	•	S2	12	35/35	BA20d	12	4050300204994	100
GIGANT® HEAVY-DUTY-BILUX® lamps – vibration-resistant design									
94193	4050300019161	•	H4	12	60/55	P43t	None	4050300250601	100
Lamps for position and parking lights									
2825	4050300838632	•	W5W	12	5	W2.1x9.5d	13 ^{p. 22}	4008321094469	50
3893	4050300838489	•	T4W	12	4	BA9s	14 ^{p. 22}	4008321095626	50
64132	4008321094896	•	H6W	12	6	BAX9s	15 ^{p. 22}	4008321094919	50



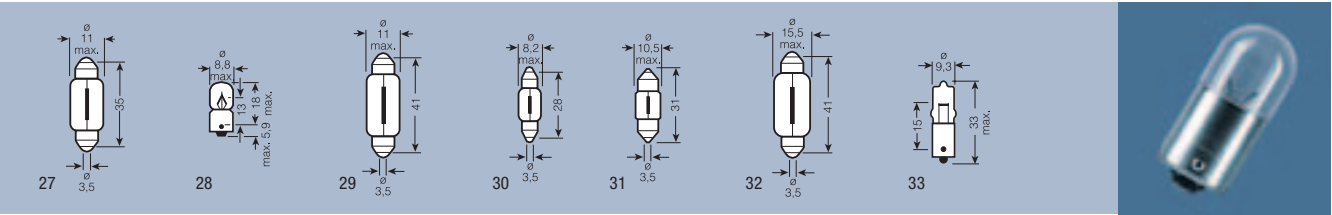
1) Lamps comply with ECE R 37 and SAE (DOT) regulations.
2) Successor to the BILUX® AS® lamp (article reference 7951).
3) New development for simple lamp replacement and highly efficient headlights; supplied on request.



Article reference	Article no. Consumer unit							Article no. Shipping unit	
Lamps for indicators, brake, fog and reversing lights									
921	4008321100948	•	W16W	12	16	W2.1x9.5d	16	4008321100962	50
2825	4050300838632	•	W5W	12	5	W2.1x9.5d	13	4008321094469	50
2827 ¹⁾	4050300891200	•	WY5W	12	5	W2.1x9.5d	17	4008321094490	50
3156	4008321090621	•	P27W	12	27	W2.5x16d	18	4008321090645	50
3157	4008321090683	•	P27/7W	12	27/7	W2.5x16q	19	4008321090706	50
7225	4050300891514	•	P21/4W	12	21/4	BAZ15d	20	4008321091093	50
7504	4008321165473	•	WY21W	12	21	WX3x16d	None	4008321165497	50
7505	4008321090652	•	W21W	12	21	W3x16d	21	4008321090676	50
7506	4050300838120	•	P21W	12	21	BA15s	22	4008321090966	50
7507 ¹⁾	4050300891477	•	PY21W	12	21	BAU15s	22	4008321091000	50
7515	4008321090713	•	W21/5W	12	21/5	W3x16q	23	4008321090737	50
7528	4050300838069	•	P21/5W	12	21/5	BAY15d	20	4008321091055	50
64136	4008321095190	•	H21W	12	21	BAY9s	24	4008321095213	50
Reversing, brake and fog light lamps									
921	4008321100948	•	W16W	12	16	W2.1x9.5d	16	4008321100962	50
3156	4008321090621	•	P27W	12	27	W2.5x16d	18	4008321090645	50
3157	4008321090683	•	P27/7W	12	27/7	W2.5x16q	19	4008321090706	50
5007	4050300838427	•	R5W	12	5	BA15s	25	4008321093882	50
5008	4050300838212	•	R10W	12	10	BA15s	25	4008321095299	50
5009	4008321095442	•	RY10W	12	10	BAU15s	26	4008321095466	50
6418	4050300838397	•	C5W	12	5	SV8.5-8	27 ^{p. 23}	4008321094223	50
7225	4050300891514	•	P21/4W	12	21/4	BAZ15d	20	4008321091093	50
7506	4050300838120	•	P21W	12	21	BA15s	22	4008321090966	50
7515	4008321090713	•	W21/5W	12	21/5	W3x16q	23	4008321090737	50
7528	4050300838069	•	P21/5W	12	21/5	BAY15d	20	4008321091055	50

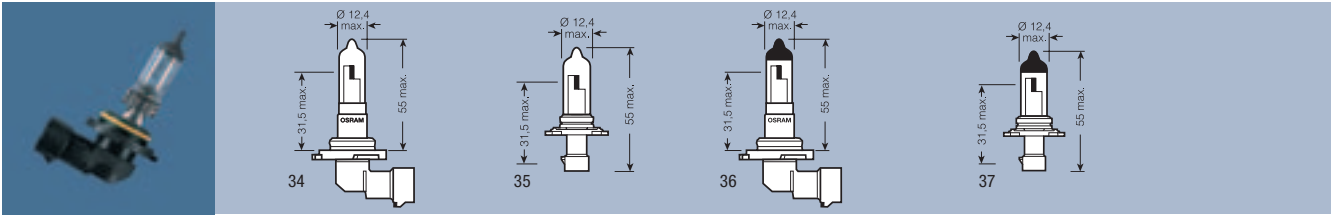


1) Amber lamps for clear indicators.

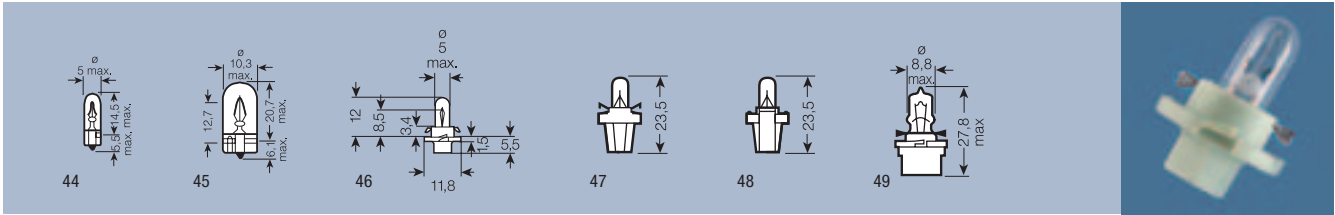
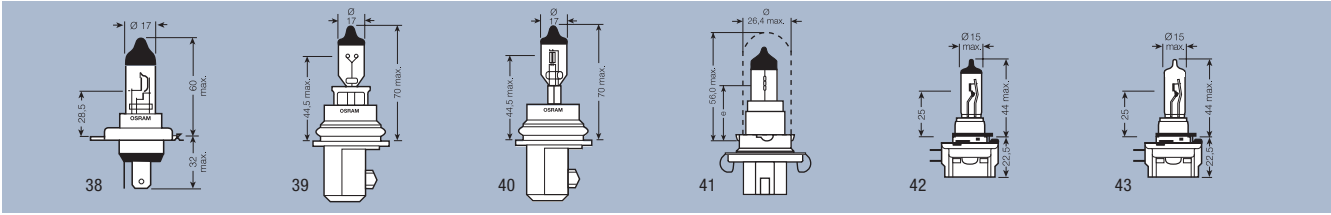


Article reference	Article no. Consumer unit							Article no. Shipping unit	
Number plate and side position light lamps									
2825	4050300838632	•	W5W	12	5	W2.1x9.5d	13 ^{p. 22}	4008321094469	50
3893	4050300838489	•	T4W	12	4	BA9s	14 ^{p. 22}	4008321095626	50
5007	4050300838427	•	R5W	12	5	BA15s	25 ^{p. 22}	4008321093882	50
5008	4050300838212	•	R10W	12	10	BA15s	25 ^{p. 22}	4008321095299	50
6418	4050300838397	•	C5W	12	5	SV8.5-8	27	4008321094223	50
Lamps for interior lighting and reading lights									
2825	4050300838632	•	W5W	12	5	W2.1x9.5d	13 ^{p. 22}	4008321094469	50
3796	4050300891309			12	2	BA9s	28	4008321095718	50
3860	4008321095756			12	5	BA9s	14 ^{p. 22}	4008321095770	50
3893	4050300838489	•	T4W	12	4	BA9s	14 ^{p. 22}	4008321095626	50
3894	4008321095725			12	3	BA9s	28	4008321095749	50
5007	4050300838427	•	R5W	12	5	BA15s	25 ^{p. 22}	4008321093882	50
5008	4050300838212	•	R10W	12	10	BA15s	25 ^{p. 22}	4008321095299	50
6411	4050300891354			12	10	SV8.5-8	29	4008321093745	50
6413	4050300891439			12	5	SV8.5-8	29	4008321093752	50
6418	4050300838397	•	C5W	12	5	SV8.5-8	27	4008321094223	50
6428	4008321094384			12	3	SV7-8	30	4008321094407	50
6438	4008321094353			12	10	SV8.5-8	31	4008321094377	50
6461	4008321094261			12	10	SV8.5-8	27	4008321094285	50
6475	4008321090874			12	18	SV8.5-8	32	4008321090898	50
6476	4008321090904	•	C21W	12	21	SV8.5-8	32	4008321090928	50
MINIXEN® lamps with increased luminous flux for brilliant reading light									
2886X	4008321094667			12	6	W2.1x9.5d	13 ^{p. 22}	4008321094681	50
3886X	4008321095787			12	6	BA9s	14 ^{p. 22}	4008321095800	50
6486X	4008321094292			12	6	SV8.5-8	27	4008321094315	50
MINIWATT® halogen lamps for brilliant white reading light									
64111 ¹⁾	4008321095015			12	5	BA9s	33	4008321095039	50
64113 ¹⁾	4008321095046			12	10	BA9s	33	4008321095060	50
64115	4008321095077			12	20	BA9s	33	4008321095091	50

1) Also available with glass base (article reference 6411150 or 6411350).



Article reference	Article no. Consumer unit							Article no. Shipping unit	
Single-coil headlight lamps with SAE approval									
9005 ¹⁾	4050300137193	•	HB3	12	60	P20d	34	4050300137216	100
9005XS ¹⁾	0046135320408	•	HB3A	12	60	P20d	35	4050300721996	100
9006 ¹⁾	4050300012650	•	HB4	12	51	P22d	36	4050300722221	100
9006XS ¹⁾	On request	•	HB4A	12	51	P22d	37	On request	
Dual-coil BILUX® headlight lamps with SAE approval									
9003 ¹⁾	4050300308975	•	HB2	12	60/55	P43t	38	4050300308999	100
9004	4050300239866		HB1	12	65/45	P29t	39	4050300239873	200
9007	4050300148816		HB5	12	65/55	PX29t	40	4050300148830	200
64178	On request	•	H13	12	60/55	P26.4t	41	On request	
OSRAM SNAP™LITE® lamps with SAE approval for new headlight systems									
64242 ²⁾	4008321055422	•	H8B	12	35	PGJY-1	42	4008321055446	100
64243 ²⁾	4008321055477	•	H9B	12	65	PGJY-5	43	4008321055491	100
64241 ²⁾	4008321054654	•	H11B	12	55	PGJY-2	42	4008321054678	100



Article reference	Article no. Consumer unit							Article no. Shipping unit	
Lamps for instrument lighting and switches									
2721	4050300838540			12	1.2	W2x4.6d	44	4008321094797	50
2722	4008321094803			12	2	W2x4.6d	44	4008321094827	50
2723	4008321094834	•	W2.3W	12	2.3	W2x4.6d	44	4008321094858	50
2820	4008321094094			12	2	W2.1x9.5d	13 ^{p. 22}	4008321094117	50
2821	4050300838663	•	W3W	12	3	W2.1x9.5d	45	4008321094438	50
3796	4050300891309			12	2	BA9s	28 ^{p. 23}	4008321095718	50
3860	4008321095756			12	5	BA9s	14 ^{p. 22}	4008321095770	50
3893	4050300838489	•	T4W	12	4	BA9s	14 ^{p. 22}	4008321095626	50
3894	4008321095725			12	3	BA9s	28 ^{p. 23}	4008321095749	50

Article reference	Article no. Consumer unit						Article no. Shipping unit	
Lamps for instrument lighting with holder for use in printed circuit boards								
2351MFX6	4008321096852	Jet black	12	1.2	BX8.4d	46	4008321096876	50
2352MFX6	4008321097149	Pale green	12	2	BX8.4d	46	4008321097163	50
2452MFX6	4008321097118	Beige	12	1.5	BX8.4d	46	4008321097132	50
2473MFX6	4008321096821	Pastel orange	12	1.1	BX8.4d	46	4008321096845	50
2721MF	4050300891255	Jet black	12	1.2	B8.5d	47	4008321096753	50
2721MF8	4008321096388	Jet black	12	1.2	B8.3d	48	4008321096401	50
2722MF	4008321096791	Lime green	12	2	B8.5d	47	4008321096814	50
2722MF8	4008321096418	Pure white	12	2	B8.3d	48	4008321096739	50
2752MF	4008321096760	Beige	12	1.5	B8.5d	47	4008321096784	50
64122MF	4008321095107	Brown	12	3	B10d	49	4008321095121	50
64124MF	4008321101471	Black	12	5	B10d	49	4008321101495	50

The suffix on the article reference indicates the board thickness:

- MFX6: 1.5 mm
- MF: 2.0 mm
- MF8: 2.0 mm

1) Lamps comply with ECE R 37 and SAE (DOT) regulations.
2) New development for simple lamp replacement and highly efficient headlights; supplied on request.

The bright heavyweight among truck lamps: OSRAM TRUCKSTAR®.



At night, truck drivers need the best possible light on the road ahead. OSRAM TRUCKSTAR® is way ahead of conventional 24V lamps, allowing drivers to concentrate on the essential.



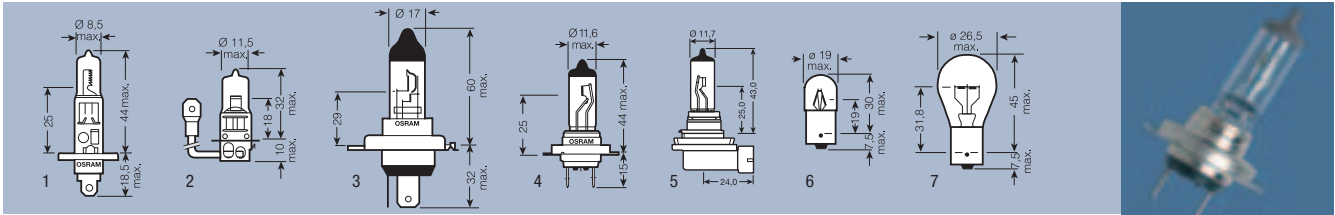
Twice as bright, twice as long.

Compared with conventional 24 V lamps, OSRAM TRUCKSTAR® has a distinct advantage thanks to its patented single-coil technology. This results in up to 100 % more light on the road¹⁾, making it much easier for long-haul drivers to concentrate – a massive benefit in terms of road safety. Their uniform light and a light beam up to 40 m longer enable dangers to be seen much sooner and give drivers valuable extra time in which to react. OSRAM TRUCKSTAR® is capable of withstanding strong vibrations and also saves time and money thanks to its 100 % longer life¹⁾.

Heavy artillery for greater safety.

- Up to 100 % more light on the road thanks to patented single-coil technology (SC).
- Twice the life of conventional 24 V lamps.
- Greater safety thanks to better illumination of the road.
- Lower costs thanks to reduced failure rates as a result of improved vibration resistance.
- OSRAM TRUCKSTAR® is a reliable companion for safety-conscious truck drivers.

1) Compared with standard lamps (depending on the headlight system).

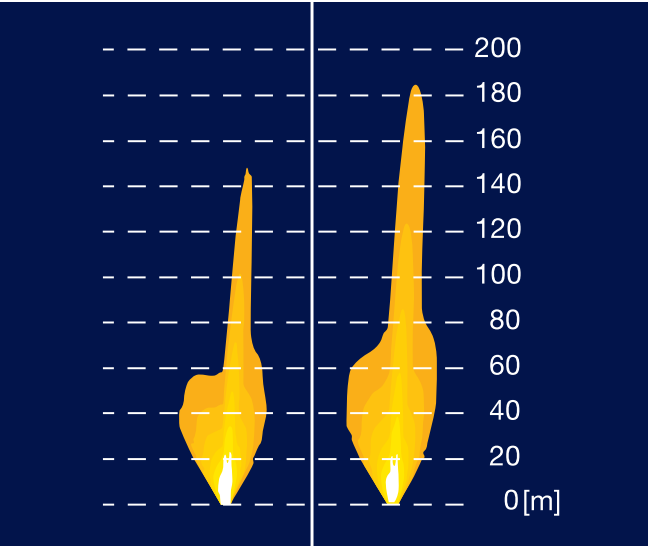


Article reference	Article no. Consumer unit							Article no. Shipping unit	
OSRAM TRUCKSTAR® – up to 100 % more light on the road and 100% longer life ²⁾									
64155LTS	4008321004093	•	H1	24	70	P14.5s	1	4008321004116	100
64156LTS	4008321004123	•	H3	24	70	PK22s	2	4008321004147	100
64196LTS	4008321133571	•	H4	24	75/70	P43t	3	4008321133595	100
64215LTS	4008321004246	•	H7	24	70	PX26d	4	4008321004260	100
64216LTS ¹⁾	4008321004369	•	H11	24	70	PGJ19-2	5	4008321004383	100
OSRAM TRUCKSTAR® – robust long-life auxiliary lamps									
3930LTS	4008321130846	•	T4W	24	4	BA9s	8 ^{p. 29}	4008321130860	50
5627LTS	4008321130877	•	R5W	24	5	BA15s	6	4008321130891	50
5637LTS	4008321130907	•	R10W	24	10	BA15s	6	4008321130921	50
7511LTS	4008321130938	•	P21W	24	21	BA15s	7	4008321130952	50
7510LTS	4008321130969	•	PY21W	24	21	BAU15s	13 ^{p. 29}	4008321130983	50

OSRAM TRUCKSTAR® headlight lamps – brighter light, better visibility, longer life and increased safety. Almost any make of truck can be fitted with these innovative lamps from OSRAM.



OSRAM TRUCKSTAR® – thanks to the new and patented single-coil technology (above right), OSRAM TRUCKSTAR® headlight lamps will last up to 100 % longer²⁾ than lamps with conventional double coils (above left).



OSRAM TRUCKSTAR® headlight lamps (right) shine up to 100 % more light on the road²⁾ compared with a conventional 24 V lamp (left).

1) On request.
2) Compared with standard lamps (depending on the headlight system).



A quality concept:
OSRAM STANDARD LINE 24V.

The materials used in the construction of trucks are often pushed to the very limits. Truck drivers therefore have to rely totally on the quality of the various components. OSRAM STANDARD LINE 24V with its reliable performance is therefore the first choice for truckers.

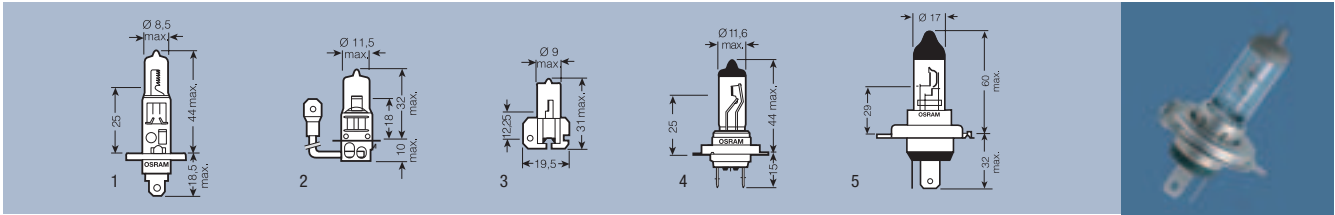


Consistently safe and reliable.

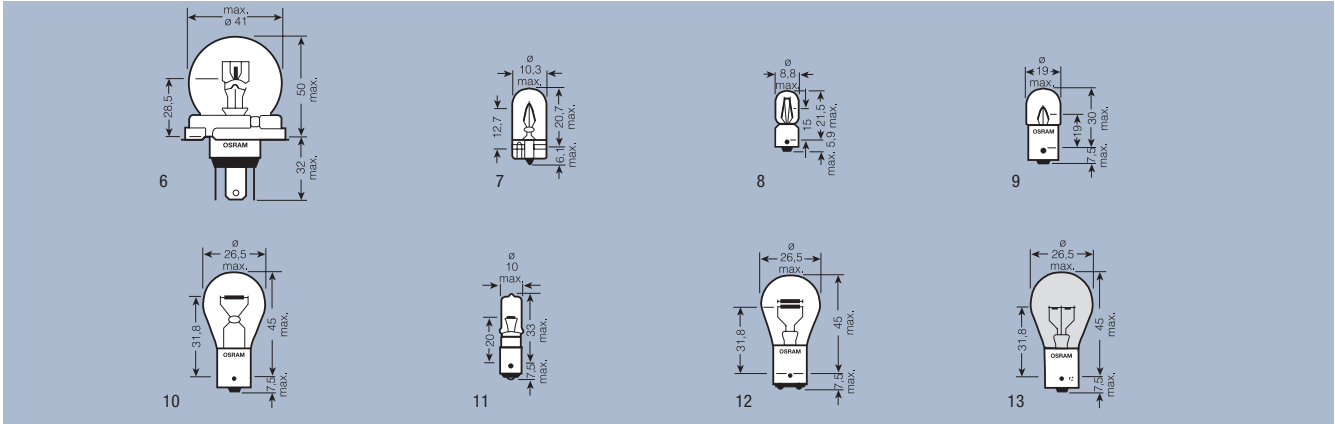
Customers throughout the world place their trust in the performance of OSRAM STANDARD LINE 24V lamps. In contrast to other products, they combine absolutely reliable quality with a fair price. The performance of inferior quality lamps decreases over time, jeopardising the safety of the driver, possibly without the driver being aware of this. OSRAM STANDARD LINE 24V lamps continue to provide safe light until the end of their service lives, making them a balanced and economical solution for all standard requirements in the 24V sector.

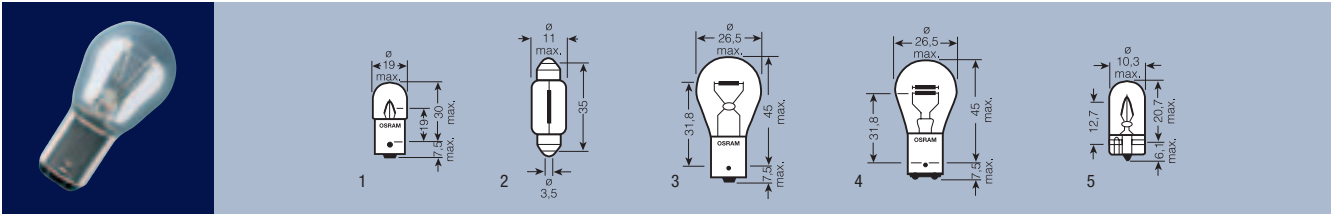
All-round quality.

- Tried and tested brand quality.
- Excellent price/performance ratio.
- The lamps remain within the prescribed safety margins right to the end of their lives.
- Reliable standard all-rounder for price-conscious drivers.

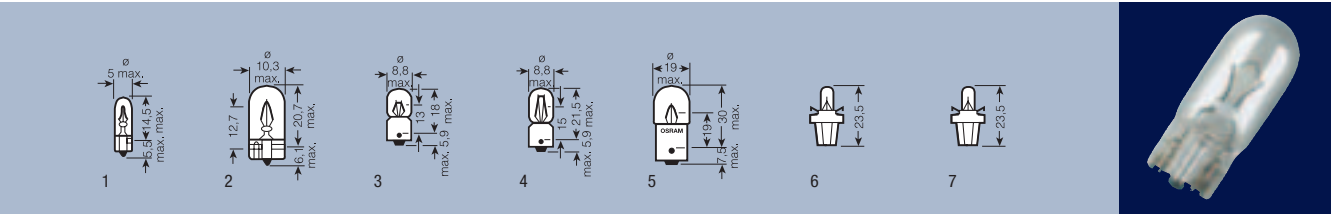
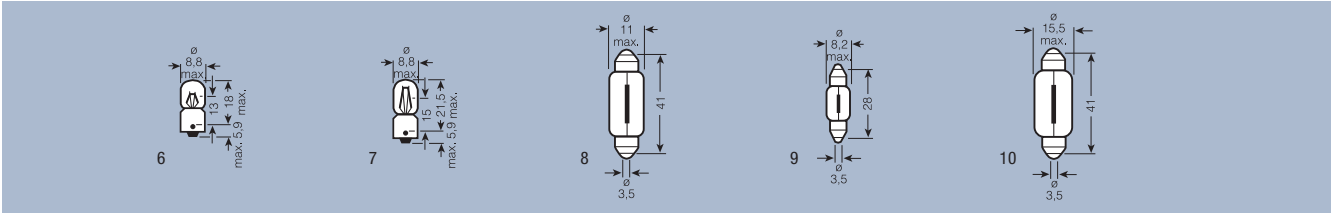


Article reference	Article no. Consumer unit							Article no. Shipping unit	
Single-coil headlight lamps for innovative dual headlight systems									
64155	4050300016498	•	H1	24	70	P14.5s	1	4050300210148	100
64156	4050300016535	•	H3	24	70	PK22s	2	4050300211244	100
64175	4050300218960	•	H2	24	70	X511	3	4050300218984	100
64215	4050300386522	•	H7	24	70	PX26d	4	4050300386546	100
Dual-coil headlight lamps for normal headlight systems									
7952	4050300016405	•	R2	24	55/50	P45t	6	4050300205151	100
64196	4050300016542	•	H4	24	75/70	P43t	5	4050300212289	100
Lamps for position and parking lights									
2845	4050300891552	•	W5W	24	5	W2.1x9.5d	7	4008321094773	50
3930	4050300838366	•	T4W	24	4	BA9s	8	4008321095695	50
5627	4050300838335	•	R5W	24	5	BA15s	9	4008321095367	50
Indicator lamps									
2845	4050300891552	•	W5W	24	5	W2.1x9.5d	7	4008321094773	50
7511	4050300838090	•	P21W	24	21	BA15s	10	4008321090980	50
64138	4008321094988	•	H21W	24	21	BAY9s	11	4008321095008	50
Indicator, brake, fog and reversing light lamps									
7511	4050300838090	•	P21W	24	21	BA15s	10	4008321090980	50
7537	4050300838038	•	P21/5W	24	21/5	BAY15d	12	4008321091109	50
64138	4008321094988	•	H21W	24	21	BAY9s	11	4008321095008	50





Article reference	Article no. Consumer unit							Article no. Shipping unit	
Reversing, brake and fog light lamps									
5627	4050300838335	•	R5W	24	5	BA15s	1	4008321095367	50
5637	4050300831459	•	R10W	24	10	BA15s	1	4008321095411	50
6423	4050300831435	•	C5W	24	5	SV8.5-8	2	4008321094322	50
7511	4050300838090	•	P21W	24	21	BA15s	3	4008321090980	50
7537	4050300838038	•	P21/5W	24	21/5	BAY15d	4	4008321091109	50
Number plate and side position light lamps									
5627	4050300838335	•	R5W	24	5	BA15s	1	4008321095367	50
5637	4050300831459	•	R10W	24	10	BA15s	1	4008321095411	50
6423	4050300831435	•	C5W	24	5	SV8.5-8	2	4008321094322	50
Lamps for interior lighting and reading lights									
2840	4008321094698			24	2	W2.1x9.5d	5	4008321094711	50
3797	4050300891668			24	2	BA9s	6	4008321095817	50
3930	4050300838366	•	T4W	24	4	BA9s	7	4008321095695	50
5627	4050300838335	•	R5W	24	5	BA15s	1	4008321095367	50
5637	4050300831459	•	R10W	24	10	BA15s	1	4008321095411	50
6421	4008321090768			24	3	SV8.5-8	8	4008321090782	50
6423	4050300831435	•	C5W	24	5	SV8.5-8	2	4008321094322	50
6424	4050300891712			24	5	SV8.5-8	8	4008321090829	50
6429	4008321090836			24	10	SV8.5-8	8	4008321090850	50
6430	4008321094414			24	3	SV7-8	9	4008321094537	50
6453	4008321094544			24	15	SV8.5-8	10	4008321094568	50
6480	4008321090935			24	18	SV8.5-8	10	4008321090959	50



Article reference	Article no. Consumer unit							Article no. Shipping unit	
Lamps for instrument lighting and switches									
2741	4050300838519			24	1.2	W2x4.6d	1	4008321094889	50
2840	4008321094698			24	2	W2.1x9.5d	2	4008321094711	50
2841	4008321094728	•	W3W	24	3	W2.1x9.5d	2	4008321094742	50
3797	4050300891668			24	2	BA9s	3	4008321095817	50
3930	4050300838366	•	T4W	24	4	BA9s	4	4008321095695	50
5627	4050300838335	•	R5W	24	5	BA15s	5	4008321095367	50
5637	4050300831459	•	R10W	24	10	BA15s	5	4008321095411	50

Article reference	Article no. Consumer unit						Article no. Shipping unit	
Lamps for instrument lighting with holder for use in printed circuit boards								
2741MF	4050300891606	Slate grey	24	1.2	B8.5d	6	4008321097200	50
2741MF8	4008321097170	Slate grey	24	1.2	B8.3d	7	4008321097194	50

The suffix on the article reference indicates the board thickness:
MF: 2.0 mm
MF8: 2.0 mm

First aid on the move: the car lamp kit from OSRAM.

Defects on a car usually make themselves known on long journeys. The OSRAM car lamp kit saves you the trouble of searching for a suitable workshop or retail outlet to purchase replacement lamps and offers quick help on site. With the car lamp kit, you can easily fix defects yourself.



Always the right lamp to hand.

Safety is the top priority on the roads. The lights on a car play a crucial role here. After all, if other drivers cannot see you and you cannot see them you are simply an accident waiting to happen. In some countries it is therefore a legal requirement to carry spare lamps in the car. With a car lamp kit from OSRAM you will always have the right lamp for your vehicle. The label tells you what the kit contains, together with technical data. The picture on the back shows which lamp should go where. The mini spare lamp kit is the little brother of the car lamp kit. It contains the same assortment of lamps but is compact enough to be transported on a motorbike for example.

European countries in which it is a legal requirement to carry a spare lamp kit.

- Slovenia
 - Macedonia
 - Spain
- Croatia
 - Bosnia-Herzegovina
 - Czech Republic

European countries in which carrying a spare lamp kit is recommended.

- France
- Slovakia

Perfectly equipped for people on the move.

- With the lamp kit you will always have the right spare lamp to hand.
- Easy replacement by the roadside.
- Easy identification thanks to clear labelling and application picture.
- The minibox contains the same assortment of lamps but in a compact case.



Spare lamp kit (ALB)



Mini spare lamp kit (ALBM)

Each spare lamp kit for cars contains the same set of the five most important lamps plus three fuses:

7506	P21W	Brake and taillight
7507	PY21W	Indicator light, orange
7528	P21/5W	Brake/taillight
5007	R5W	Taillight and number plate light
2825	W5W	Parking light
		Fuses 15A, 20A, 30A



The **H4 kit** contains one **H4** headlight lamp as well as the five lamps and three fuses listed above

Article no. (EAN)
ALB

4050300**940755**

Article no. (EAN)
ALBM

4050300**873398**

64193	H4	Main halogen headlight lamp
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The **H7 kit** contains one **H7** headlight lamp as well as the five lamps and three fuses listed above

4050300**940779**

4050300**876375**

64210	H7	Main halogen headlight lamp
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The **H1 kit** contains one **H1** headlight lamp as well as the five lamps and three fuses listed above

4050300**940762**

4050300**875217**

64150	H1	Main halogen headlight lamp
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The **H7/H1 kit** contains one **H7** and one **H1** headlight lamp as well as the five lamps and three fuses listed above

4050300**940748**

4050300**873411**

64210	H7	Main halogen headlight lamp
64150	H1	Main halogen headlight lamp



The **R2 kit** contains one **R2** headlight lamp as well as the five lamps and three fuses listed above

4050300**940786**

Not included

7951	R2	Main headlight lamp, conventional technology
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Spare lamp kits for trucks and buses.

Professional drivers in particular rely on spare lamp kits from OSRAM. Drivers who always have the right spare lamps with them will save themselves the trouble of taking their vehicles

into a garage for replacements or searching for the nearest retailer. The savings in time and money are considerable, especially on journeys abroad.



ALB H424 with halogen BILUX® H4 headlight lamp (equipped with 6 lamps)

Article no. (EAN)

4050300797526

64196	H4	Main halogen headlight lamp
7511	P21W	Brake light/indicator light
5637	R10W	Taillight/number plate light
5627	R5W	Taillight/number plate light
6423	C5W	Interior light
3930	T4W	Parking light
3 fuses: 15A, 20A, 30A		



ALB H424H (HEAVY DUTY) with halogen BILUX® H4 headlight lamp (equipped with 5 lamps)

4050300797540

94196	H4	Main halogen headlight lamp (replaced by 64196LTS from 2007)
9511	P21W	Brake/indicator light (replaced by 7511LTS from 2007)
9637	R10W	Taillight/number plate light (replaced by 5637LTS from 2007)
9627	R5W	Taillight/number plate light (replaced by 5627LTS from 2007)
9930	T4W	Parking light (replaced by 3930LTS from 2007)
3 fuses: 15A, 20A, 30A		



ALB H724 with halogen H7 headlight lamp (equipped with 6 lamps)

4050300797564

64215	H7	Main halogen headlight lamp
7511	P21W	Brake light/indicator light
5637	R10W	Taillight/number plate light
5627	R5W	Taillight/number plate light
6423	C5W	Interior light
3930	T4W	Parking light
3 fuses: 15A, 20A, 30A		



ALB H124 with halogen H1 headlight lamp (equipped with 6 lamps)

4050300797588

64155	H1	Main halogen headlight lamp
7511	P21W	Brake light/indicator light
5637	R10W	Taillight/number plate light
5627	R5W	Taillight/number plate light
6423	C5W	Interior light
3930	T4W	Parking light
3 fuses: 15A, 20A, 30A		



ALB H424B with halogen BILUX® H4 headlight lamp (equipped with 13 lamps)

Article no. (EAN)

4050300797601

2 x 64196	H4	Main halogen headlight lamp
2 x 7511	P21W	Brake light/indicator light
1 x 7537	P21W/5W	Brake/taillight
1 x 5637	R10W	Taillight/number plate light
2 x 5627	R5W	Taillight/number plate light
1 x 6423	C5W	Interior light
1 x 6429	–	Interior light
1 x 2845	W5W	Parking light/interior light
2 x 3930	T4W	Parking light
3 fuses: 15A, 20A, 30A		



ALB H724B with halogen H7 headlight lamp (equipped with 13 lamps)

4050300797625

2 x 64215	H7	Main halogen headlight lamp
2 x 7511	P21W	Brake light/indicator light
1 x 7537	P21W/5W	Brake/taillight
1 x 5637	R10W	Taillight/number plate light
2 x 5627	R5W	Taillight/number plate light
1 x 6423	C5W	Interior light
1 x 6429	–	Interior light
1 x 2845	W5W	Parking light/interior light
2 x 3930	T4W	Parking light
3 fuses: 15A, 20A, 30A		



ALB H724C with halogen H7 headlight lamp (equipped with 10 lamps)

4050300797649

1 x 64215	H7	Main halogen headlight lamp
1 x 64155	H1	Main halogen headlight lamp
2 x 9511	P21W	Brake light/indicator light
1 x 5637	R10W	Taillight/number plate light
2 x 5627	R5W	Taillight/number plate light
2 x 2845	W5W	Parking light/interior light
1 x 2841	W3W	Parking light/interior light



ALB H124D with halogen H1 headlight lamp (equipped with 11 lamps)

4050300797663

1 x 64155	H1	Main halogen headlight lamp
2 x 64156	H3	Main halogen headlight lamp
2 x 9511	P21W	Brake light/indicator light
1 x 5637	R10W	Taillight/number plate light
2 x 5627	R5W	Taillight/number plate light
2 x 2845	W5W	Parking light/interior light
1 x 2841	W3W	Parking light/interior light

Versatile power packs: high-performance halogen headlight lamps from OSRAM.

In forestry, agriculture and the construction industry, vehicle lamps are needed that are particularly robust and can withstand vibrations over uneven ground. High-performance halogen headlight lamps from OSRAM are ideal when the going gets tough.



OSRAM – always in the service of safety.

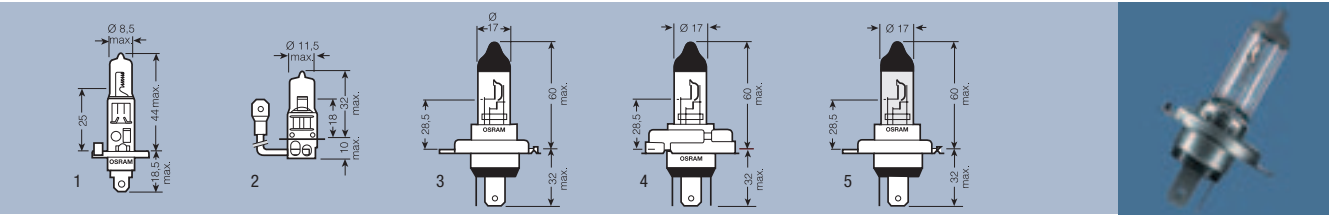
Off-road vehicles need lamps that combine ruggedness with versatility. High-performance halogen headlight lamps from OSRAM offer excellent reliability and brightness even on the most difficult terrain.

These lamps are not approved for use on public roads however. Illegal use on public roads leads to cancellation of the operating licence and to loss of insurance cover¹⁾. To make off-road vehicles more versatile, OSRAM offers the SILVERSTAR® family of lamps as high-brightness alternatives. SILVERSTAR® lamps meet all relevant German road traffic regulations and provide 50 % more light than standard lamps.

High-performance halogen headlight lamps and their alternatives.

- High-performance halogen headlight lamps from OSRAM provide reliable light in every position.
- Wide range of applications: rescue services, construction and transport work, agriculture and forestry.
- Not approved for use on public roads.
- Alternatives: SILVERSTAR® family of lamps in the 12V sector and OSRAM TRUCKSTAR® as a reliable substitute in the 24V sector.
- These high-brightness solutions are ideal for rugged types.

1) They do not have ECE approval. This means that they cannot be fitted in “normal” headlights or additional headlights if the vehicle is to be used on public highways.



Article reference	Article no. Consumer unit			V	W		No.	Article no. Shipping unit	
High-performance halogen lamps for professional headlights with coded bases									
64070 ³⁾	On request	–		12	100	PX14.5s	1 ^{p. 21}	On request	100
64152 ²⁾	4050300222738	–		12	100	PX14.5s	1	4050300222752	100
64153	4050300222837	–		12	100	PKY22s	2	4050300222851	100
64194	4050300225852	–		12	100/80	PU43t	3	4050300225876	100
Not permitted on public roads. Check public law.									

Article reference	Article no. Consumer unit			V	W		No.	Article no. Shipping unit	
High-wattage headlight lamps for rally and professional headlights									
62200	4050300247854	–		12	100	P14.5s	1 ^{p. 21}	4050300247878	100
64205	4050300453767	–		12	70/65	P43t	5	4050300453781	100
64205ALL	4050300453613	–		12	70/65	P43t	5	4050300453637	100
64206	4050300453798	–		12	85/80	P43t	5	4050300453811	100
64206ALL	4050300453644	–		12	85/80	P43t	5	4050300453668	100
62209	On request	–		12	90/80	P43t	5	On request	100
62203	4050300247960	–		12	100/80	P43t	5	4050300247984	100
62203ALL	4050300528625	–		12	100/80	P43t	5	4050300528649	100
62204	On request	–		12	100/90	P43t	5	On request	100
62218	On request	–		12	130/90	P43t	5	On request	100
64198	4050300222028	–		12	60/55	P45t	4	4050300222042	100
64203	4050300239446	–		12	100/80	P45t	4	4050300239460	100
64204	On request	–		12	100/80	P45t	4	On request	100
62201	4050300247939	–		12	100	PK22s	3 ^{p. 21}	4050300247953	100
64217	4050300524399	–		12	65	PX26d	4 ^{p. 21}	4050300524412	100
64218 ¹⁾	4050300526188	–		12	65	PX26d	4 ^{p. 21}	4050300526195	100
62241	On request	–		24	100	P14.5s	1 ^{p. 21}	On request	100
62248	On request	–		24	100/90	P43t	5	On request	100
62249	On request	–		24	130/90	P43t	5	On request	100
64199	4050300219899	–		24	75/70	P45t	4	4050300219912	100
62245	On request	–		24	100/80	P45t	4	On request	100
62243	On request	–		24	100	PK22s	3 ^{p. 21}	On request	100
64157	On request	–		24	100	PKXU22s	None	On request	100
7531	4050300017884	–		12	45/40	BA20d	12 ^{p. 21}	4050300205014	100

High-wattage headlight lamps for rally and professional headlights – Lamps printed in “Candle Power”

64193	4050300937731	–		12	130/80 ⁴⁾	P43t	5	4050300642352	100
62203	4008321173539	–		12	200/120 ⁴⁾	P43t	5	4008321173553	100
64198	4050300937717	–		12	130/80 ⁴⁾	P45t	4	4050300642178	100
64203	4050300937755	–		12	200/120 ⁴⁾	P45t	4	4050300642215	100
64199	4050300937748	–		24	150/95 ⁴⁾	P45t	4	4050300642192	100

1) Without tip.
2) 2600 lm.

3) 3000 lm.
4) Candle Power.



Innovation with intelligent technology: OSRAM XENARC®.

As far as vehicle lamps are concerned, XENARC® is the brightest star in the OSRAM firmament. Its innovative arc technology puts conventional halogen lamps firmly in the shade. This translates into extra safety, particularly on long night-time journeys.

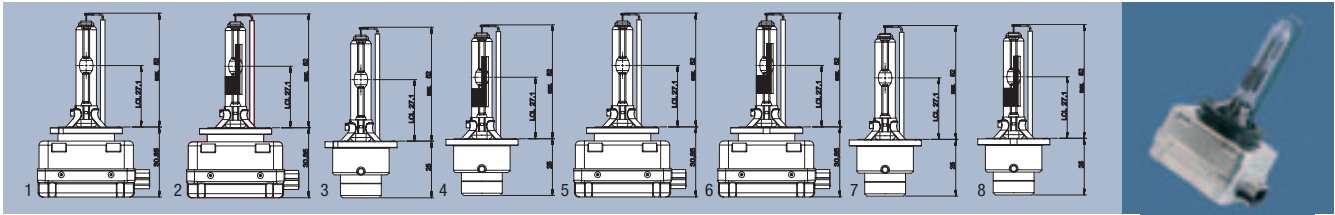


XENARC® – the power of gas discharge.

The technology used in XENARC® lamps from OSRAM is fundamentally different from that in halogen lamps. They produce an extremely bright arc of light from an electronically controlled gas discharge. This needs just one third of the energy of a halogen lamp to produce twice the light of a halogen lamp filament. The brighter output means that the road is much better lit. Drivers therefore stay focused and can react more quickly to any obstacles, signs or dangers. Because the control gear and the lamp are located separately in the vehicle it will be possible to equip or upgrade more and more types of vehicles with the XENARC® system.

Playing safe with XENARC®.

- Very bright arc produced by an electronically controlled gas discharge.
- 100 % more light than halogen lamps and 300 % greater luminous efficacy.
- At 4100 K it has a colour temperature closer to natural day-light than conventional halogen light (3200K) and is therefore easier on the eyes.
- Better illumination of the road reduces the risk of accidents.
- Separate installation of lamp and control gear makes XENARC® lamps more versatile.
- XENARC® offers innovative types high levels of safety and first-class comfort.

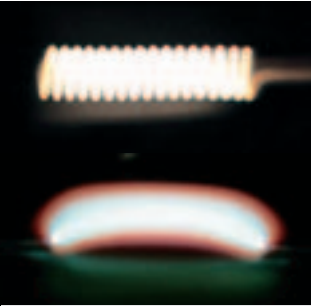


Article reference	Article no. Consumer unit							Article no. Shipping unit	
XENARC® electronic gas discharge headlight lamps – the revolutionary technology									
66142 ¹⁾²⁾⁵⁾¹⁰⁾	4050300893259	•	D1S	⁴⁾	35	PK32d-2	1	4050300893266	10
66152 ¹⁾³⁾⁵⁾¹¹⁾	4008321902719	•	D1R	⁴⁾	35	PK32d-3	2	4008321902726	10
66240 ¹⁾²⁾⁵⁾⁷⁾	4050300357393	•	D2S	⁴⁾	35	P32d-2	3	4050300357409	10
66250 ¹⁾³⁾⁵⁾⁸⁾	4050300433486	•	D2R	⁴⁾	35	P32d-3	4	4050300433493	10
66340 ¹⁾²⁾⁵⁾⁹⁾	4008321128553	•	D3S	⁴⁾	35	PK32d-5	5	4008321128560	10
66350 ¹⁾³⁾⁵⁾⁹⁾	4008321129857	•	D3R	⁴⁾	35	PK32d-6	6	4008321129864	10
66440 ¹⁾²⁾⁵⁾⁹⁾	4050300877846	•	D4S	⁴⁾	35	P32d-5	7	4050300877853	10
66450 ¹⁾³⁾⁵⁾⁹⁾	4050300877884	•	D4R	⁴⁾	35	P32d-6	8	4050300877891	10

Comparison		D1S	D1R	D2S	D2R	D3S	D3R	D4S	D4R
Rated wattage	W	35	35	35	35	35	35	35	35
Luminous flux	lm	3200 ⁶⁾	2800 ⁶⁾	3200 ⁶⁾	2800 ⁶⁾	3200 ⁶⁾	2800 ⁶⁾	3200 ⁶⁾	2800 ⁶⁾
Luminous efficacy	lm/W	89	80	89	80	89	80	89	80
Colour temperature	K	4150	4150	4150	4150	4150	4150	4150	4150
Lamp life	h B ₃	2000	2000	2000	2000	1500	1500	1500	1500
	T _c	3000	3000	3000	3000	2500	2500	2500	2500

OSRAM XENARC® lamps are famous for their outstanding performance. Now this innovative automotive lamp is making a name for itself for being kind to the environment. The D3 and D4 products are mercury-free but still have the same output.

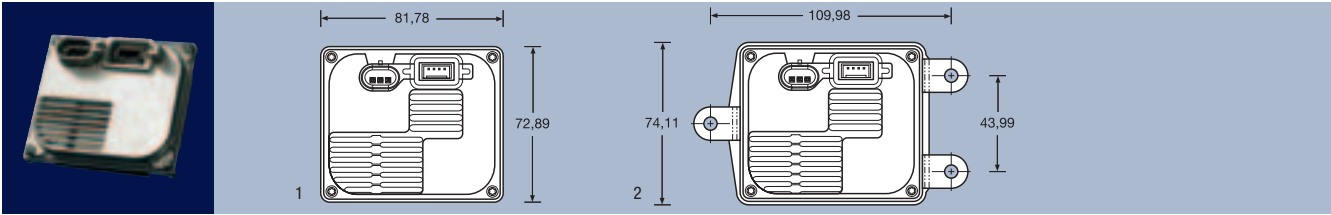
Caution: Because of their high voltage, XENARC® and XENAELECTRON® products may only be used in combination with one another and may only be replaced at authorised workshops. Improper use in vehicles may make the vehicle illegal and therefore not covered by insurance.



The filament of a halogen lamp compared to the arc of a XENARC® lamp.

1) Reduced UV emission.
2) For projection headlights.
3) With anti-glare strip for reflection headlights.
4) To be operated only with approved electronic control gear.
5) DOT and ECE approved.
6) ± 450 lm.
7) Successor to 66040, simple replacement.
8) Successor to 66050, simple replacement.
9) Mercury-free.
10) 66042/66043 are successors to 66142.
11) 66052/66053 are successors to 66152.

XENARC® electronic D1S/R, the XENAELECTRON® control gear and the associated connecting cables form a perfectly matched system from OSRAM.



Article reference	Article no. Consumer unit		V	Hz	A	W	°C min.-max.
XENAELECTRON® for XENARC® electronic gas discharge headlight lamps							
XENAELECTRON® XT5-1-D1/12V	4008321015686	D1S & D1R	12	500	3.4	41 ¹⁾	-40 ... 105
XENAELECTRON® XT5-3-D1/12V TAB	4008321015709	D1S & D1R	12	500	3.4	41 ¹⁾	-40 ... 105
XENAELECTRON® XT5-1-D1/24V	4008321139047	D1S & D1R	24	500	1.7	41 ¹⁾	-40 ... 105
XENAELECTRON® XT5-3-D1/24V TAB	4008321139023	D1S & D1R	24	500	1.7	41 ¹⁾	-40 ... 105
XENAELECTRON® XT5-3-D3/12V TAB	Projected	D3S	12	500	3.5	42 ²⁾	-40 ... 105
Article reference						Article no. Shipping unit	
XENAELECTRON® XT5-1-D1/12V	82	73	25	106	1	4008321044297	40
XENAELECTRON® XT5-3-D1/12V TAB	125	74	25	116	2	4008321044310	40
XENAELECTRON® XT5-1-D1/24V	82	73	25	106	1	4008321139054	40
XENAELECTRON® XT5-3-D1/24V TAB	125	74	25	116	2	4008321139030	40
XENAELECTRON® XT5-3-D3/12V TAB	125	74	25	116	2	Projected	40
The control gear complies with type of protection IP X7.							

The OSRAM D1/D3 system consists of OSRAM XENAELECTRON® XT5-D1/12V or OSRAMXENAELECTRON® XT5-D3/12V control gear for mercury-free gas discharge lamps (XENARC® D3), a connecting cable between the control gear and the lamp, and the OSRAM D1/D3 XENARC® electronic lamp.

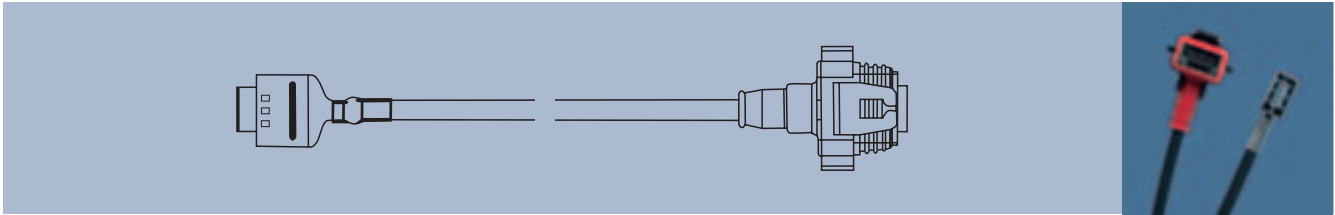
Caution: Because of their high voltage, XENARC® and XENAELECTRON® products may only be used in combination with one another and may only be replaced at authorised workshops. Improper use in vehicles may make the vehicle illegal and therefore not covered by insurance.

D1 and D3 HID system properties.

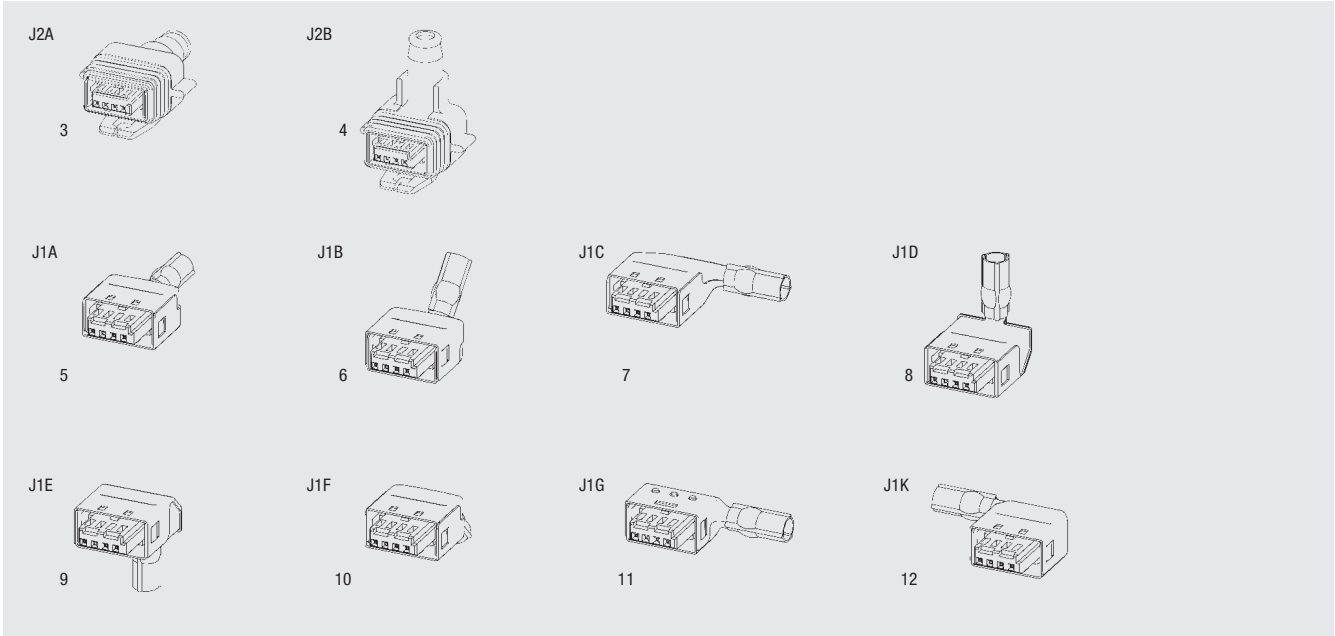
- Perfectly matched to OEM automotive requirements.
- Compact design of the XENAELECTRON® control gear.
- Reduction in high voltage on the connecting cable by a factor of more than 20 compared with a D2 system.
- Highly flexible connecting cable between the control gear and the lamp.
- Elimination of the costly and critical high-voltage plug connections on the lamp.
- Optimised and integrated high-voltage igniter in the protected lamp base.
- Tried and tested lamp technology based on the D2/D4 lamp

XENARC® electronic D1S/R, the XENAELECTRON® control gear and the associated connecting cables form a perfectly matched system from OSRAM.

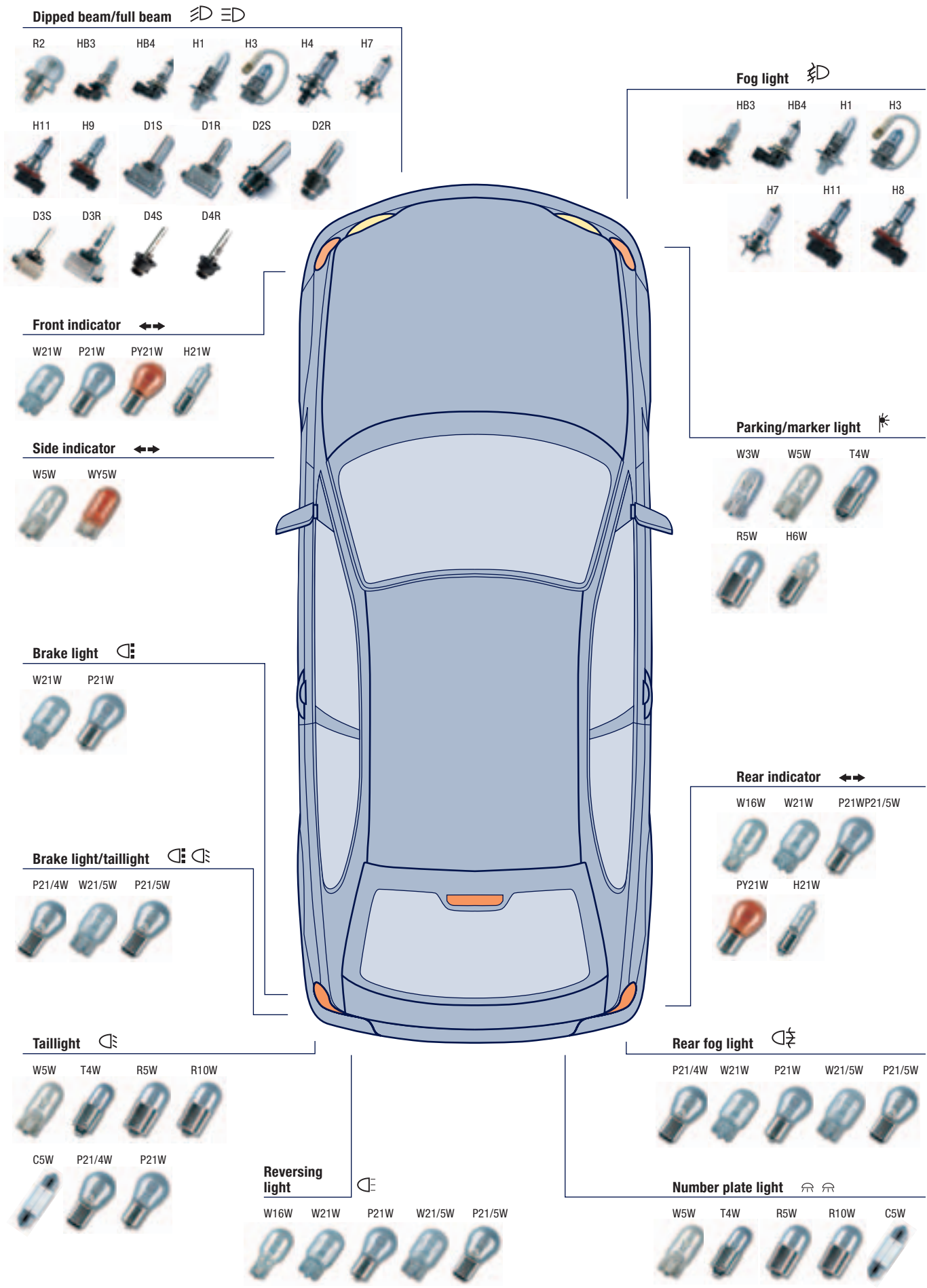
1) For operating an OSRAM D1 XENARC® electronic 35W gas discharge lamp.
2) For operating an OSRAM D3 XENARC® electronic 35W gas discharge lamp.



Article reference	Article no. Consumer unit						Article no. Shipping unit	
Cable for OSRAM D1 systems								
32340 Connecting cable	4050300879840	390 ¹⁾	J2A	3	J1A	5	4050300942704	40
32342 Connecting cable	4050300879857	540	J2A	3	J1A	5	4050300942711	40
32344 Connecting cable	4050300879833	390	J2B	4	J1A	5	4050300942728	40
32346 Connecting cable	4050300879826	150 ¹⁾	J2B	4	J1A	5	4050300942735	40
32350 Connecting cable	4050300879895	170	J2B	4	J1B	6	4050300942742	40
32356 Connecting cable	4050300880907	170	J2B	4	J1C	7	4050300942759	40
32358 Connecting cable	4050300880914	300 ¹⁾	J2B	4	J1C	7	4050300942766	40
32360 Connecting cable	4050300879888	240	J2A	3	J1D	8	4050300942773	40
32362 Connecting cable	4050300879871	800	J2B	4	J1D	8	4050300942780	40
32378 Connecting cable	4050300879482	240	J2B	4	J1D	8	4050300769899	40
67620 Connecting cable	4008321040794	2000 ¹⁾	J2B	4	J1G	11	4008321040800	40
67635 Connecting cable	4008321152619	180	J2A	3	J1G	11	4008321152626	40
67640 Connecting cable	4008321158505	200 ¹⁾	J2B	4	J1D	8	4008321158512	40
Cables for OSRAM D3 systems available on request. 1) Other cable lengths on request.								



XENARC® electronic D1S/R, the XENAELECTRON® control gear and the associated connecting cables form a perfectly matched system from OSRAM.



OSRAM product families.



SILVERSTAR® 12V

H1, H4, H7



TRUCKSTAR® 24V

H1, H3, H4, H7, H11, T4W, R5W, R10W, P21W, PY21W



COOL BLUE® 12V

H1, H3, H4, H7, HB3, HB4, T4W, W5W, H6W



ALB 12V & 24V

H1, H4, H7, R2, H7/H1, H1/H3



LIGHT@DAY® 12V

H1, H4, H7, H6W, P21/5W, R5W, R10W, T4W, W5W, C5W



XENARC®

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

OSRAM 12V SELF-SERVICE RANGE.

Our redesigned packaging for the self-service range provide even greater clarity for you and your customers. Each blister pack has pictograms that are understood throughout the world to indicate all the benefits and technical data.

Compact information.

Voltage, wattage, ECE: all visible at a glance.

Brand name.

The brand stands for safety and expertise.

Protection.

The folded blister protects the lamp.

Anti-theft protection.

The blister cannot be opened without being destroyed.



Identification.

Easy type identification using the reference list.

Transparency.

So customers purchase the lamp they want.

Core statement as a graphic.

The core statement is clearly visible as a picture.

Environmental protection.

Simple and complete separation into paper and PVC.

Complete information.

Voltage, wattage, ECE and blister reference all visible at a glance.

Seal of quality.

Original spare part in OEM quality.

Product family.

Clearly readable and highlighted in colour.



Identification.

Index number clearly shown also on the back.

Clear use of symbols.

The benefits and function are conveyed in self-explanatory pictures.

OSRAM 12V SELF-SERVICE RANGE.

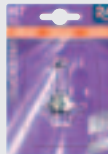
Blister no.	Blister reference	Article no. Consumer unit	ECE	V	W		Article no. Shipping unit	Shipping unit Blisters/lamps	
OSRAM SILVERSTAR® – up to 50 % more light									
1E	64193SVS-01B	4050300647661	H4	12	60/55	P43t	4008321142863	10/10	
2E	64210SVS-01B	4050300647623	H7	12	55	PX26d	4008321141965	10/10	
3E	64150SVS-01B	4050300648354	H1	12	55	P14.5s	4008321142245	10/10	
OSRAM COOL BLUE® – bright bluish white light colour									
1D	64193CB-01B	4050300925189	H4	12	60/55	P43t	4008321142825	10/10	
2D	64210CB-01B	4050300925240	H7	12	55	PX26d	4008321141958	10/10	
3D	64150CB-01B	4050300925325	H1	12	55	P14.5s	4008321142238	10/10	
20D	3893CB-02B	4050300925660	T4W	12	4	BA9s	4008321140418	10/20	
21D	2825HCB-02B	4050300925707	W5W	12	5	W2.1x9.5d	4008321141552	10/20	
21E	2825CB-02B	4050300925721	W5W	12	5	W2.1x9.5d	4008321140364	10/20	
26D	64132CB-02B	4050300925820	H6W	12	6	BAX9s	4008321141583	10/20	
OSRAM LIGHT@DAY® – up to 3 times longer service life for constant use									
1F	64193D-01B	4050300773803	H4	12	60/55	P43t	4008321142832	10/10	
2F	64210D-01B	4050300773742	H7	12	55	PX26d	4008321141996	10/10	
3F	64150D-01B	4050300773865	H1	12	55	P14.5s	4008321142252	10/10	
11F	7528D-02B	4050300773384	P21/5W	12	21/5	BAY15d	4008321140555	10/20	
14F	5007D-02B	4050300773438	R5W	12	5	BA15s	4008321141606	10/20	
16F	5008D-02B	4050300773490	R10W	12	10	BA15s	4008321158376	10/20	
18F	6418D-02B	4050300773674	C5W	12	5	SV8.5-8	4008321140470	10/20	
20F	3893D-02B	4050300773070	T4W	12	4	BA9s	4008321140401	10/20	
21F	2825D-02B	4050300772936	W5W	12	5	W2.1x9.5d	4008321140357	10/20	
26F	64132D-02B	4050300773339	H6W	12	6	BAX9s	4008321141590	10/20	

OSRAM 12V SELF-SERVICE RANGE.

Blister no.	Blister reference	Article no. Consumer unit	ECE	V	W		Article no. Shipping unit	Shipping unit Blisters/lamps	
STANDARD LINE 12 V headlight lamps									
1	64193-01B	4050300 925127	H4	12	60/55	P43t	4008321 142191	10/10	
2	64210-01B	4050300 925202	H7	12	55	PX26d	4008321 141613	10/10	
3	64150-01B	4050300 925264	H1	12	55	P14.5s	4008321 142009	10/10	
4	64151-01B	4050300 925349	H3	12	55	PK22s	4008321 142306	10/10	
5 ¹⁾	64183-01B	4050300 925400	R2	12	45/40	P45t	4008321 142887	10/10	
6 ²⁾	7951-01B	4050300 925424	R2	12	45/40	P45t	4008321 142870	10/10	
9	9005-01B	4008321 171214	HB3	12	60	P20d	4008321 171221	10/10	
10	9006-01B	4008321 171238	HB4	12	51	P22d	4008321 171245	10/10	
13	64211-01B	4008321 171252	H11	12	55	PGJ19-2	4008321 171269	10/10	
STANDARD LINE 12 V auxiliary lamps									
7	7506-02B	4050300 925448	P21W	12	21	BA15s	4008321 140494	10/20	
8	7507-02B	4050300 925462	PY21W	12	21	BAU15s	4008321 140517	10/20	
8A	7507LDA-02B	4050300 925486	PY21W	12	21	BAU15s	4008321 140524	10/20	
11	7528-02B	4050300 925523	P21/5W	12	21/5	BAY15d	4008321 140548	10/20	
12	7225-02B	4050300 925547	P21/4W	12	21/4	BAZ15d	4008321 140531	10/20	
14	5007-02B	4050300 925585	R5W	12	5	BA15s	4008321 140319	10/20	
16	5008-02B	4050300 925608	R10W	12	10	BA15s	4008321 140425	10/20	
18	6418-02B	4050300 925622	C5W	12	5	SV8.5-8	4008321 140449	10/20	
19	6411-02B	4050300 925646		12	10	SV8.5-8	4008321 140456	10/20	
20	3893-02B	4050300 647609	T4W	12	4	BA9s	4008321 140395	10/20	
21	2825-02B	4050300 925684	W5W	12	5	W2.1x9.5d	4008321 140340	10/20	
22	2821-02B	4050300 925745	W3W	12	3	W2.1x9.5d	4008321 140371	10/20	
23	2721-02B	4050300 925769		12	1.2	W2x4.6d	4008321 140326	10/20	
24	2722-02B	4050300 925783		12	2	W2x4.6d	4008321 140333	10/20	
25	64111-02B	4050300 647258		12	5	BA9s	4008321 141576	10/20	
27	2827-02B	4008321 149411	WY5W	12	5	W1.2x8.5d	4008321 149428	10/20	
12 V duo boxes									
1D	64193CB	4008321 144799	H4	12	60/55	P43t	4008321 144805	10/20	
1E	64193SVS	4008321 144737	H4	12	60/55	P43t	4008321 144744	10/20	
1F	64193D	4008321 144850	H4	12	60/55	P43t	4008321 144867	10/20	
2D	64210CB	4008321 144812	H7	12	55	PX26d	4008321 144829	10/20	
2E	64210SVS	4008321 144751	H7	12	55	PX26d	4008321 144768	10/20	
2F	64210D	4008321 144874	H7	12	55	PX26d	4008321 144881	10/20	
3D	64150CB	4008321 144775	H1	12	55	P14.5s	4008321 144782	10/20	
3E	64150SVS	4008321 144614	H1	12	55	P14.5s	4008321 144720	10/20	
3F	64150D	4008321 144836	H1	12	55	P14.5s	4008321 144843	10/20	

1) Alternative to 7951 in halogen technology.
2) Conventional technology.

OSRAM 24V SELF-SERVICE RANGE.

Blister no.	Blister reference	Article no. Consumer unit	ECE	V	W		Article no. Shipping unit	Shipping unit Blisters/lamps	
STANDARD LINE 24 V headlight lamps									
24V	64155-01B	4050300 925844	H1	24	70	P14.5s	4008321 142290	10/10	
24V	64156-01B	4050300 565811	H3	24	70	PK22s	4050300 565828	10/10	
24V	64196-01B	4050300 925868	H4	24	75/70	P43t	4008321 142849	10/10	
24V	64215-01B	4050300 925882	H7	24	70	PX26d	4008321 141972	10/10	
STANDARD LINE 24 V auxiliary lamps									
24V	7511-02B	4050300 925929	P21W	24	21	BA15s	4008321 140500	10/20	
24V	7537-02B	4050300 925943	P21/5W	24	4	BAY15d	4008321 141545	10/20	
24V	5627-02B	4050300 925967	R5W	24	5	BA15s	4008321 140432	10/20	
24V	6423-02B	4050300 925981	C5W	24	5	SV8.5-8	4008321 140487	10/20	
24V	3930-02B	4050300 926001	T4W	24	4	BA9s	4008321 140302	10/20	
24V	2841-02B	4050300 926025	W3W	24	3	W2.1x9.5d	4008321 140388	10/20	
24V	5637-02B	4050300 926049	R10W	24	10	BA15s	4008321 140463	10/20	
24V	2845-02B	4008321 139962	W5W	24	5	W2.1x9.5d	4008321 139979	10/20	
OSRAM TRUCKSTAR® – up to 100 % more light – 100 % longer life									
24V	64155LTS-01B	4008321 040596	H1	24	70	P14.5s	4008321 142283	10/10	
24V	64156LTS-01B	4008321 040572	H3	24	70	PK22s	4008321 142337	10/10	
24V	64196LTS-01B	4008321 155535	H4	24	75/70	P43t	4008321 155542	10/10	
24V	64215LTS-01B	4008321 040619	H7	24	70	PX26d	4008321 141989	10/10	
24V	5627LTS-02B	4008321 174017	R5W	24	5	BA15s	4008321 174024	10/10	
24V	5637LTS-02B	4008321 174031	R10W	24	10	BA15s	4008321 174048	10/10	
24V	3930LTS-02B	4008321 174055	T4W	24	4	BA9s	4008321 174062	10/10	
24V	7511LTS-02B	4008321 173973	P21W	24	21	BA15s	4008321 173980	10/10	
24V	7510LTS-02B	4008321 173997	PY21W	24	21	BAU15s	4008321 174000	10/10	
24 V duo boxes									
24V	64215LTS	4008321 161246	H7	24	70	PX26d	4008321 161253	10/20	
24V	64155LTS	4008321 161062	H1	24	70	P14.5s	4008321 161079	10/20	
24V	64196LTS	4008321 161260	H4	24	75/70	P43t	4008321 161277	10/20	

Good displays are good for business.

Our counter displays are real eye-catchers and great at selling. Here, your customers will find the innovative product families in the OSRAM automotive lamp range. They can check all the features, make comparisons and choose the right lamps at their leisure. Presentation, information and access – our POS material will make it easier for your customers to make impulse purchases.



Counter displays.

These counter displays are difficult to miss! The display contains a mix of the most important headlight lamps in the new high-quality duo boxes. It takes up very little space so it can be placed directly on the counter or next to the cash register. The essential product benefits are clearly shown so your customers can easily find the ideal lamps to meet their needs. These counter displays are attractively designed to catch the eye. They will look good in any sales outlet and sell the innovative families of lamps all by themselves.

Big sellers for your counter.

- Perfect best-sellers in a small space.
- All the important sales arguments at a glance.
- Real eye-catcher thanks to attractive design.
- Mixed assortment with new striking duo boxes.



Article reference	Article no. (EAN) Display	Reference	Contents	Dimensions (W x H x D)
Counter displays – headlight lamps				
510034	4008321913470	Counter display SILVERSTAR®	2 x 2 lamps H1, 4 x 2 lamps H4, 4 x 2 lamps H7	300 x 340 x 310 mm
510035	4008321913494	Counter display LIGHT@DAY®	2 x 2 lamps H1, 4 x 2 lamps H4, 4 x 2 lamps H7	300 x 340 x 310 mm
510036	4008321913487	Counter display COOL BLUE®	2 x 2 lamps H1, 4 x 2 lamps H4, 4 x 2 lamps H7	300 x 340 x 310 mm
510037	4008321913463	Counter display TRUCKSTAR®	2 x 2 lamps H1, 4 x 2 lamps H4, 4 x 2 lamps H7	300 x 340 x 310 mm



Article reference	Article no. (EAN) Display	Reference	Contents	Dimensions (W x H x D)
Counter display – spare lamp kit				
PRES ALB	4008321022059	Eurobox presenter	1 acrylic display (empty)	210 x 340 x 82 mm

Good displays are good for business.

The wide range of innovative products such as SILVERSTAR®, COOL BLUE®, LIGHT@DAY® and TRUCKSTAR® look impressive in the new floor displays. They are clearly arranged and identified with the relevant core statements so your customers can easily find what they are looking for. The DUO boxes remind customers to replace the lamps in pairs.



“Innovation” floor displays.

All OSRAM innovations for greater safety and better visibility in one display.
One version of the “Innovations” floor display also offers the standard automotive lamps for drivers who are price-conscious but still want excellent quality.

“Spare lamp kit” floor display.

The spare lamp kits containing the most important replacement lamps and fuses for almost all makes and models of cars are presented in the “minibox” display.

“TRUCKSTAR®” floor display.

OSRAM TRUCKSTAR® lamps last an impressive 100 % longer¹⁾ and provide up to 100 % more light on the road¹⁾. These are benefits that will have your customers coming back for more. Particularly if the lamps are presented so as attractively as in this floor display.

1) Compared with standard lamps (depending on the headlight system).



Reference	Packaging	Article number (EAN) 10	Stock	Article number (EAN) 10	Stock	Article number (EAN) 10	Stock
12 V Innovation A (CB, SVS, L@D, Standard): “The stars among automotive lamps”							
510026		4008321913500					
		H1 64150	H1 64150	H4 64193	H4 64193	H7 64210	H7 64210
SILVERSTAR®	New duo box	4008321144614	4	4008321144737	6	4008321144751	6
LIGHT@DAY®	New duo box	4008321144836	4	4008321144850	6	4008321144874	6
COOL BLUE®	New duo box	4008321144775	4	4008321144799	6	4008321144812	6
STANDARD	Individual folding box	4050300001487	20	4050300001470	25	4050300332185	30
Total			32		43		48

12 V Innovation B (CB, SVS, L@D): “OSRAM innovations for grater safety”							
510027		4008321913517					
		H1 64150	H1 64150	H4 64193	H4 64193	H7 64210	H7 64210
SILVERSTAR®	New duo box	4008321144614	4	4008321144737	6	4008321144751	6
LIGHT@DAY®	New duo box	4008321144836	4	4008321144850	6	4008321144874	6
COOL BLUE®	New duo box	4008321144775	4	4008321144799	6	4008321144812	6
SILVERSTAR®	New duo box	4008321144614	4	4008321144737	6	4008321144751	6
Total			16		24		24

24 V TRUCKSTAR® floor display							
510028		4008321913531					
		H1 64155	H1 64155	H4 64196	H4 64196	H7 64215	H7 64215
TRUCKSTAR®	New duo box	4008321161062	4	4008321161260	8	4008321161246	4
TRUCKSTAR®	New duo box	4008321161062	4	4008321161260	8	4008321161246	4
TRUCKSTAR®	New duo box	4008321161062	4	4008321161260	8	4008321161246	4
STANDARD	Individual folding box	4050300016498	20	4050300016542	25	4050300386522	30
Total			32		49		42

Article number (EAN) 10	Stock	Article number (EAN) 10	Stock	Article number (EAN) 10	Stock	Article number (EAN) 10	Stock
12 V minibox floor display							
510029		4008321913524					
H1	minibox H1	H4	minibox H4	H7	minibox H7	H7/H1	minibox H7/H1
4050300875217	10	4050300873398	15	4050300876375	15	4050300873411	5
			8		7		
Total			23		22		5

Ready to take the best: the retail cabinet for automotive lamps.

The retail cabinet for automotive lamps from OSRAM is a lamp depot for retail outlets and car work-shops. It can take the 12V or 24V range of lamps from OSRAM, all clearly arranged.



All in perfect order.

The retail cabinet for automotive lamps from OSRAM can be individually stocked. It has removable partitions for ultimate flexibility and two drawers for small parts. The cabinet holds up to 355 lamps and has a chute system for quick and easy dispensing. Integrated in the cabinet is a lamp tester so each lamp can be easily checked before it is installed. With its modern design and decorative motifs on the front, the cabi-net is a real eye-catcher. The motifs can be replaced and can be adapted to suit the assortment in the cabinet.

Ideal for retail outlets and car workshops.

- Customised stocks.
- Robust construction and attractive design with replaceable front motifs depending on the contents.
- Flexible partitioning and two drawers for small parts enable up to 355 lamps to be clearly arranged.
- Useful chute system for quick and easy dispensing.



The automotive lamp cabinet is supplied with replaceable poster motifs for 12 V and 24 V. With dimensions of 545 x 435 x 140 mm (W x H x D), it provides ample space for up to 355 lamps. It can be stocked as required (supplied empty). The cabinet is available under the following EAN: 4050300**648019**.

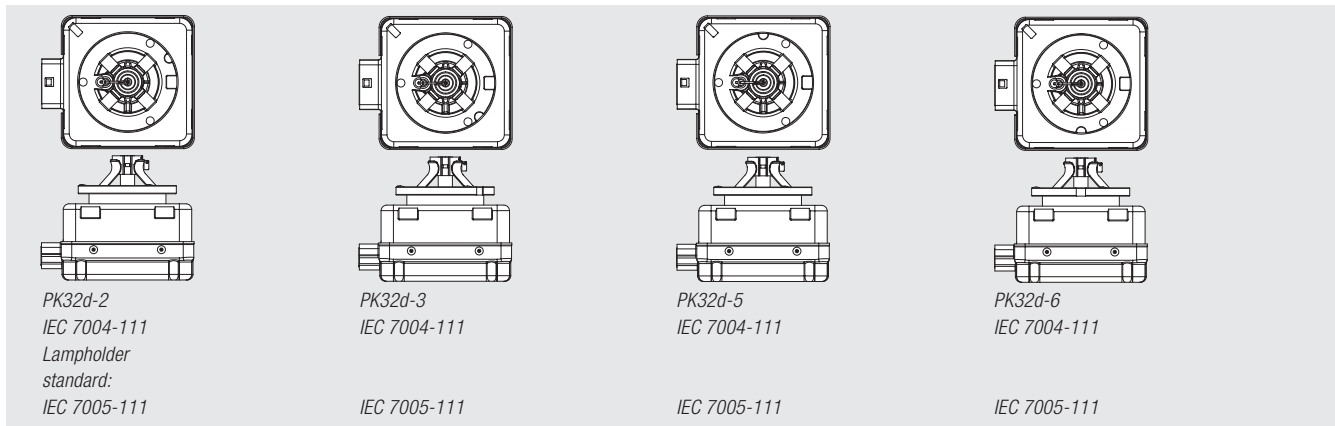
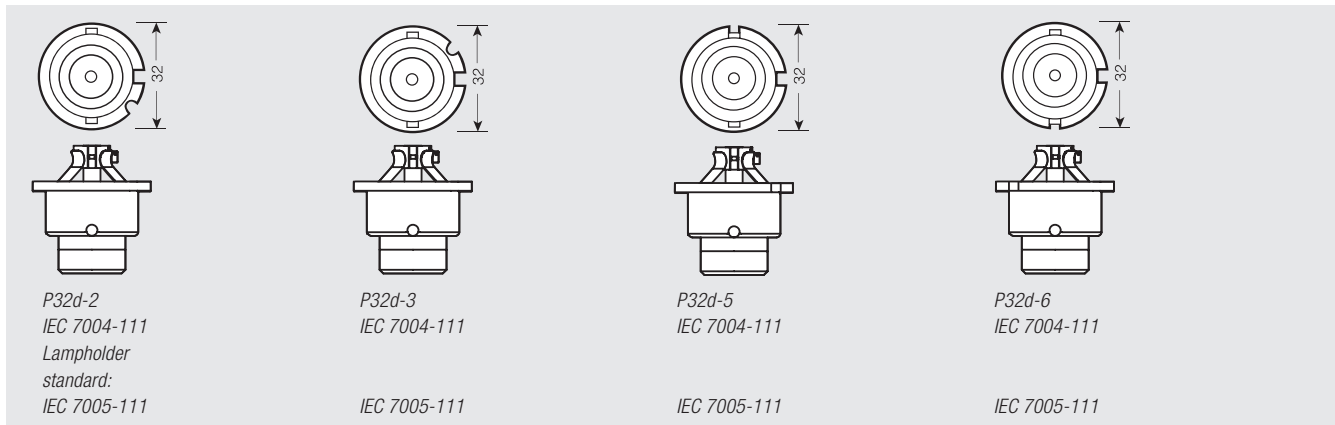
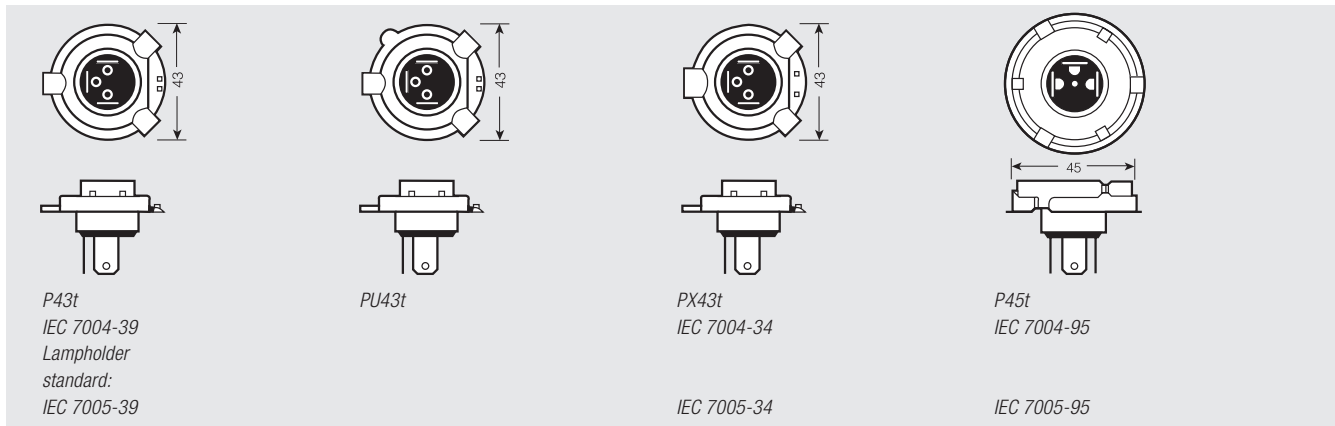
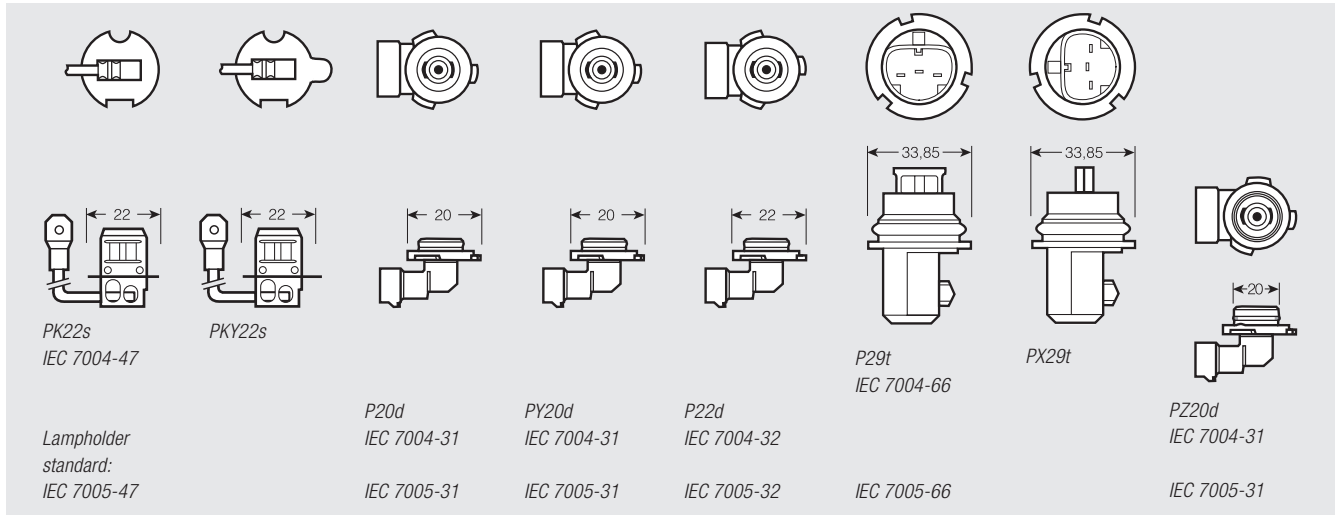
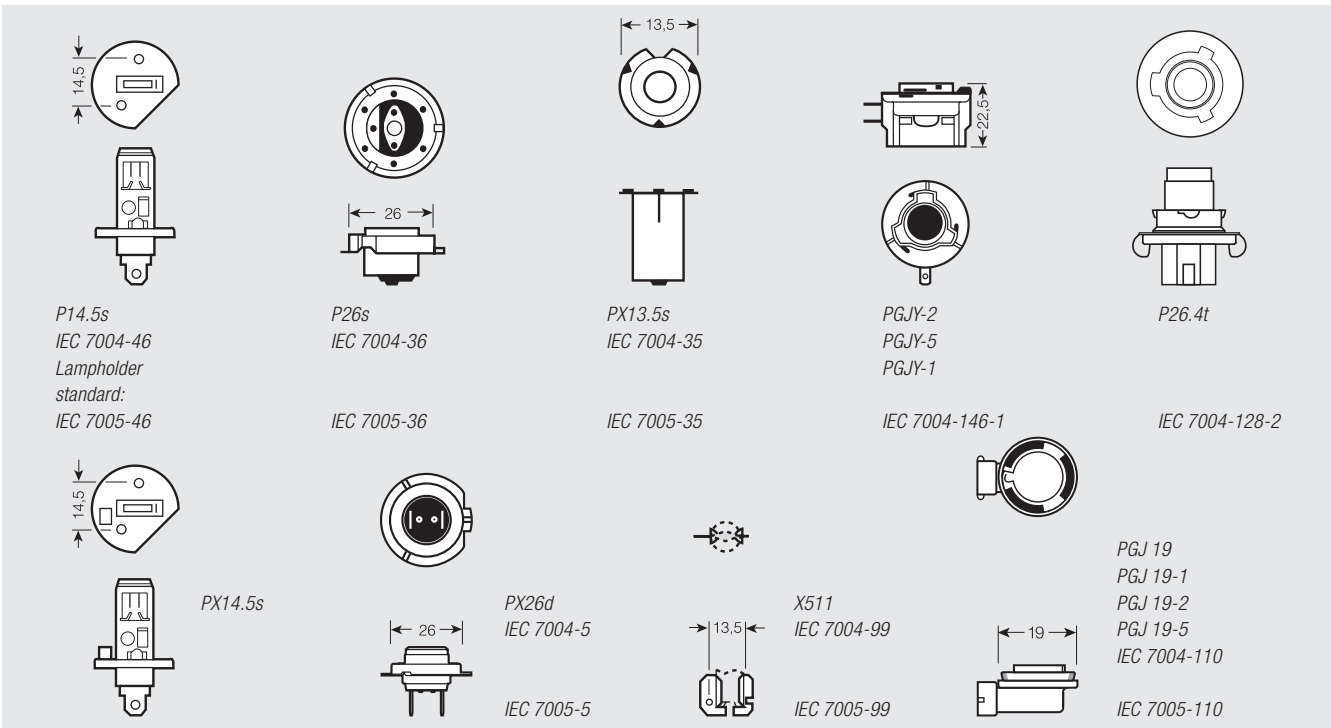
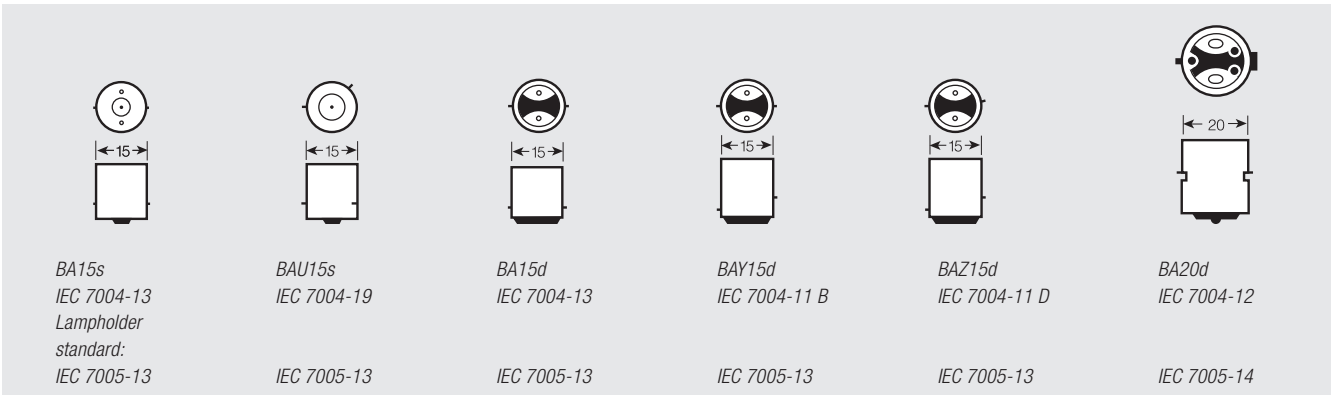
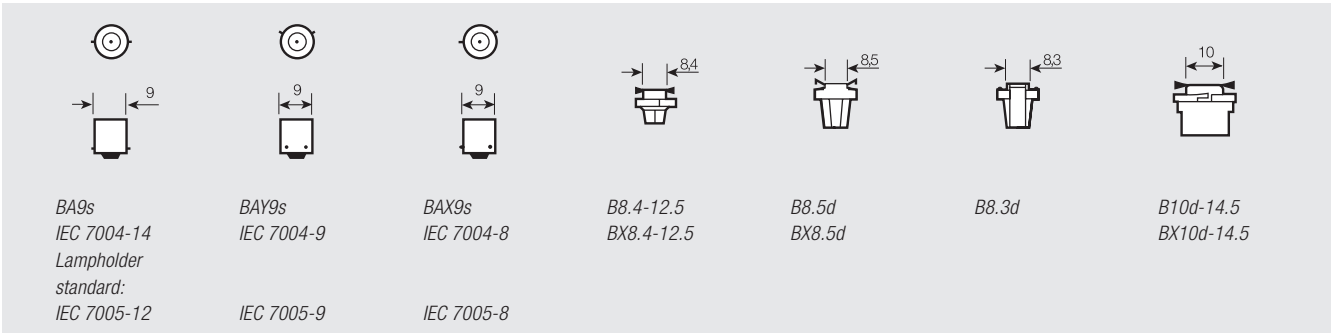
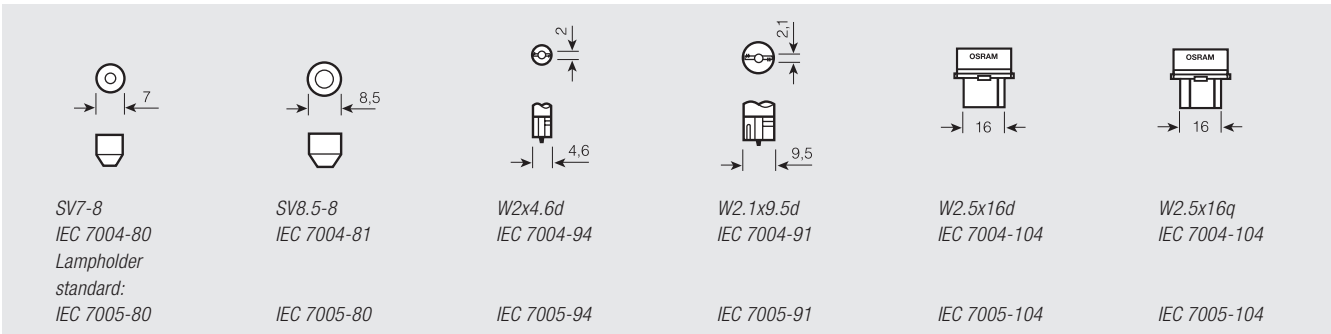
Suggested stock 12V

Article reference	Reference	No. of lamps
Chute system		
64150	H1	13
64150SVS	H1 SILVERSTAR®	13
64150D	H1 LIGHT@DAY®	13
64151	H3	13
64193	H4 BILUX®	10
64193SVS	H4 BILUX® SILVERSTAR®	6
64193D	H4 BILUX® LIGHT@DAY®	6
64210	H7	8
64210SVS	H7 SILVERSTAR®	8
64210D	H7 LIGHT@DAY®	8
64183 ¹⁾	BILUX® AS® HALOROAD® R2	6
Inside doors		
7506	P21W	20
7507	PY21W	10
7507LDA	PY21W DIADEM®	5
7528	P21/5W	10
7528D	P21/5W LIGHT@DAY®	10
7225	P21/4W	10
5007	R5W	20
5007D	R5W LIGHT@DAY®	10
5008	R10W	20
5008D	R10W LIGHT@DAY®	10
6418	C5W	10
6418D	C5W LIGHT@DAY®	10
6411	Soffitte 10W	10
2825	W5W	10
2825D	W5W LIGHT@DAY®	10
2827	WY5W	10
3893	T4W	20
3893D	T4W LIGHT@DAY®	10
2721	Glass-base lamp 1.2W	20

1) Alternative to 7951 in halogen technology.
2) Amber lamps for clear indicators.

Suggested stock 24V

Article reference	Reference	No. of lamps
Chute system		
64155	H1	13
64155LTS	H1 OSRAM TRUCKSTAR®	13
64156	H3	13
64156LTS	H3 OSRAM TRUCKSTAR®	13
64196	H4 BILUX®	16
64196LTS	H4 BILUX® OSRAM TRUCKSTAR®	12
64215	H7	8
64215LTS	H7 OSRAM TRUCKSTAR®	16
Inside doors		
7511	P21W	20
7511LTS	P21W OSRAM TRUCKSTAR®	15
7510 ²⁾	PY21W	10
7510LTS	PY21W OSRAM TRUCKSTAR®	10
7537	P21/5W	10
5627	R5W	20
5627LTS	R5W OSRAM TRUCKSTAR®	10
5637	R10W	20
5637LTS	R10W OSRAM TRUCKSTAR®	10
6423	C5W	20
6429	Soffitte 10W	10
2841	W3W	10
2845	W5W	20
3930	T4W	20
3930LTS	T4W OSRAM TRUCKSTAR®	10
2741	Glass-base lamp 1.2W	20



Glossary of the most important lighting terms.

As with any technical or scientific discipline, lighting technology has its own special terms and concepts for defining the characteristics of lamps and luminaires and for standardising the units of measurement.

The most important of these are described here.

Luminous flux Φ . Unit of measurement: Lumen [lm].
Luminous flux Φ is all the radiated power emitted by a light source evaluated with the spectral sensitivity of the eye and the photometric radiation equivalent km.

Luminous intensity I . Unit of measurement: Candela [cd].
Generally speaking, a light source emits its luminous flux Φ in different directions and at different intensities.

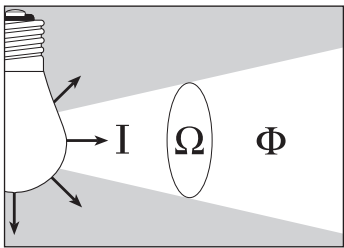
Luminous intensity is the luminous flux radiated in a particular direction (solid angle Ω).

Illuminance E . Unit of measurement: Lux [lx].
Illuminance E is the ratio between the luminous flux and the area being illuminated.

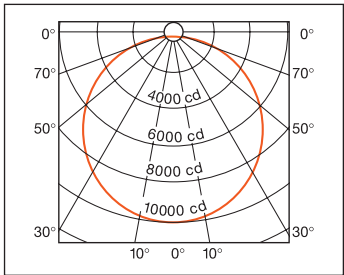
An illuminance of 1 lx occurs when a luminous flux of 1 lm is evenly distributed over an area of 1 m².

Luminance L . Unit of measurement: candela per square meter [cd/m²].
The luminance L of a light source or an illuminated area is a measure of the impression of brightness.

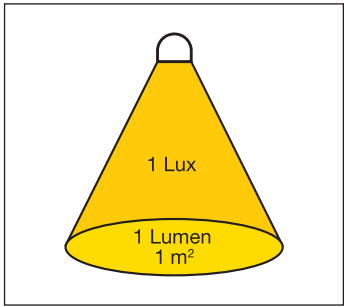
Light and radiation.
Light is taken to mean the electromagnetic radiation that the human eye perceives as brightness, in other words that part of the spectrum that can be seen. This is the radiation between 360 and 830 nm, a tiny fraction of the known spectrum of electromagnetic radiation.



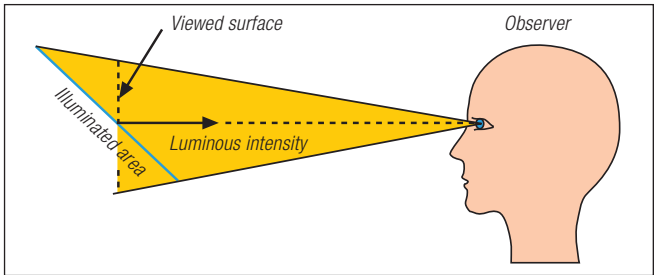
Luminous intensity I is a measure of the luminous flux Φ emitted in solid angle Ω .



Polar diagram.



Illuminance E .

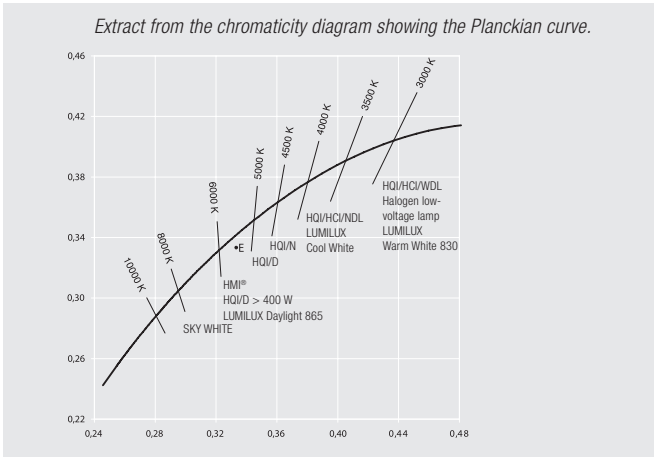
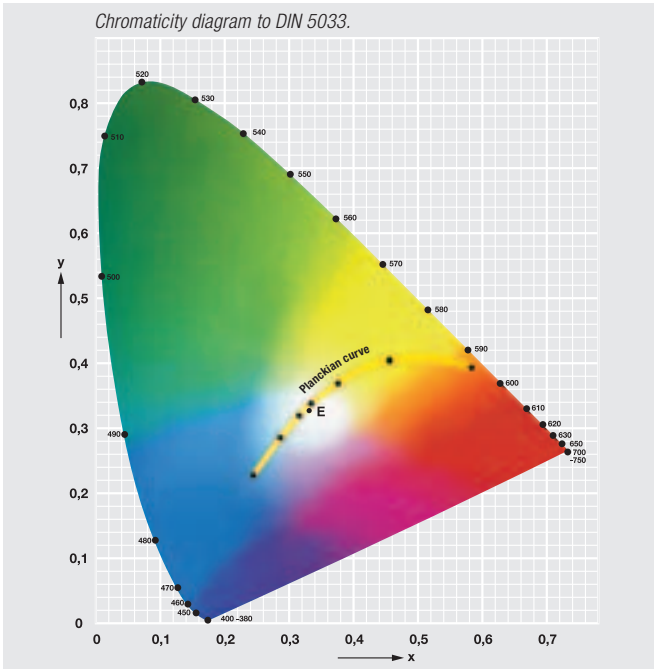


Luminance L .

Luminous efficacy η .
Unit of measurement: lumens per watt [lm/W].
Luminous efficacy η indicates the efficiency with which the electrical power consumed is converted into light.

Colour temperature. Unit of measurement: Kelvin [K].
The colour temperature of a light source is defined in comparison with a “black body radiator” and plotted on what is known as the “Planckian curve”. The higher the temperature of this “black body radiator” the greater the blue component in the spectrum and the smaller the red component. An incandescent lamp with a warm white light, for example, has a colour temperature of 2700 K, whereas a daylight fluorescent lamp has a colour temperature of 6000 K.

Lamp life.
The B_3 lifespan value represents the premature failure rate of lamps. This means that 3 % of all the tested lamps will have failed after this number of hours burned.
The T_C lifespan value represents the failure rate of 63.2 % of the lamps. B_3 and T_C are of interest above all for industry; retailers are more interested in the B_{50} value. This indicates the average life of the lamps (50 %).



Glossary of the most photometric formulae:		
Luminous intensity [cd]	I	$\frac{\text{Luminous flux}}{\text{Solid angle } \Omega \text{ [sr]}}$
Illuminance [lx]	E	$\frac{\text{Luminous flux falling on area [lm]}}{\text{Illuminated area [m}^2\text{]}}$

Luminance [cd/m ²]	L	$\frac{\text{Luminous intensity [cd]}}{\text{Viewed luminous area [m}^2\text{]}}$
Lum. efficacy [lm/W]	η	$\frac{\text{Generated luminous flux [lm]}}{\text{Electrical power consumed [W]}}$

Type overview in numerical order of article reference with test data.

Article reference	ECE stan- dard	DIN stan- dard	ECE/ SAE category	Rated volt- age V	Rated wattage W	Base	Test voltage V	Power input W	Luminous flux lm	B ₃ /T _c	see page
921	•		W16W	12	16	W2.1x9.5d	13.5	19.4±10 %	310±20 %	1000 ⁴⁾	22
2351MFX6				12	1.2	BX8.4d	13.5	1.32±10 %	7.5±20 %	600/3000	25
2352MFX6				12	2	BX8.4d	13.5	2.13±10 %	11.8±20 %	1500/6000	25
2452MFX6				12	1.5	BX8.4d	13.5	1.8±10 %	6.5±20 %	1700/6500	25
2473MFX6				12	1.1	BX8.4d	14.0	1.12±10 %	3.6±25 %	500/5000	25
2721				12	1.2	W2x4.6d	13.5	1.22±10 %	7.5±20 %	500/2000	25
2721MF				12	1.2	B8.5d	13.5	1.2±10 %	6.4±25 %	500/2000	25
2721MF8				12	1.2	B8.3d	13.5	1.22±10 %	6.4±25 %	500/2000	25
2722				12	2	W2x4.6d	13.5	2±10 %	12±25 %	1300/4000	25
2722MF				12	2	B8.5d	13.5	2±10 %	10.2±25 %	1300/4000	25
2722MF8				12	2	B8.3d	13.5	2±10 %	10.2±25 %	1300/4000	25
2723	•		W2.3W	12	2.3	W2x4.6d	13.5	2.3±10 %	18.6±20 %	350/1200	25
2741				24	1.2	W2x4.6d	28.0	1.5±10 %	7.5±25 %	400/2000	31
2741MF				24	1.2	B8.5d	28.0	1.6±10 %	6.4±25 %	400/2000	31
2741MF8				24	1.2	B8.3d	28.0	1.6±10 %	6.4±25 %	400/2000	31
2752MF				12	1.5	B8.5d	13.5	1.8±10 %	6.0±20 %	1000/6500	25
2820		•		12	2	W2.1x9.5d	13.5	2.2±10 %	13.5±25 %	600/4000	25
2821	•		W3W	12	3	W2.1x9.5d	13.5	3±10 %	22±30 %	1300/4000	25
2825	•		W5W	12	5	W2.1x9.5d	13.5	5±10 %	50±20 %	350/1000	21, 22, 23
2825CB	•		W5W	12	5	W2.1x9.5d	13.5	5±10 %	50±20 %	200/500	17
2825D	•		W5W	12	5	W2.1x9.5d	13.5	5±10 %	50±20 %	700/1500	19
2825HCB	•		W5W	12	5	W2.1x9.5d	13.5	5±20 %	50±20 %	800/2000	17
2827 ³⁾	•		WY5W	12	5	W2.1x9.5d	13.5	5±10 %	30±20 %	350/1000	22
2840		•		24	2	W2.1x9.5d	28.0	2.6±15 %	13±30 %	500/5000	30, 31
2841	•		W3W	24	3	W2.1x9.5d	28.0	4±15 %	22±30 %	500/5000	31
2845	•		W5W	24	5	W2.1x9.5d	28.0	7±10 %	50±20 %	800/3000	29
2886X				12	6	W2.1x9.5d	13.5	6±10 %	85±20 %	400/1000	23
3156	•		P27W	12	27	W2.5x16d	13.5	29.2±10 %	475±15 %	600 ⁴⁾	22
3157	•		P27/7W	12	27/7	W2.5x16q	13.5	29.2/ 7.7±10 %	475/ 36±15 %	600/5000 ⁴⁾	22
3796		•		12	2	BA9s	13.5	2±15 %	12.5±30 %	1000/2000	23, 25
3797		•		24	2	BA9s	28.0	3±15 %	17.5±30 %	1000/2000	30, 31
3860				12	5	BA9s	13.5	5±15 %	50±20 %	400/1000	23, 25
3886X				12	6	BA9s	13.5	6±10 %	80±20 %	400/1000	23
3893	•		T4W	12	4	BA9s	13.5	4±10 %	35±20 %	600/1200	21, 23, 25
3893CB	•		T4W	12	4	BA9s	13.5	4±10 %	35±20 %	300/750	17
3893D	•		T4W	12	4	BA9s	13.5	4±10 %	35±20 %	750/1500	19
3894				12	3	BA9s	13.5	3±10 %	22±20 %	1000/2000	23, 25
3930	•		T4W	24	4	BA9s	28.0	5±10 %	35±20 %	550/1000	29, 30, 31
3930LTS	•		T4W	24	4	BA9s	28.0	5±10 %	35±20 %	550/1000	27
5007	•		R5W	12	5	BA15s	13.5	5±10 %	50±20 %	350/800	22, 23
5007D	•		R5W	12	5	BA15s	13.5	5±10 %	50±20 %	600/1200	19
5008	•		R10W	12	10	BA15s	13.5	10±10 %	125±20 %	350/800	22, 23
5008D	•		R10W	12	10	BA15s	13.5	10±10 %	125±20 %	600/1200	19
5009	•		RY10W	12	10	BAU15s	13.5	10±10 %	75±20 %	350/800	22
5627	•		R5W	24	5	BA15s	28.0	7±10 %	50±20 %	500/1000	29, 30, 31
5627LTS	•		R5W	24	5	BA15s	28.0	7±10 %	50±20 %	500/1000	27
5637	•		R10W	24	10	BA15s	28.0	12.5±10 %	125±20 %	400/800	30, 31
5637LTS	•		R10W	24	10	BA15s	28.0	12.5±10 %	125±20 %	1000/2000	27
6411		•		12	10	SV8.5-8	13.5	10±10 %	min. 100	500/1000	23
6413				12	5	SV8.5-8	13.5	5±10 %	50±20 %	1000/2000	23
6418	•		C5W	12	5	SV8.5-8	13.5	5±10 %	45±20 %	1000/2000	22, 23
6418D	•		C5W	12	5	SV8.5-8	13.5	5±10 %	45±20 %	1500/4000	19
6421				24	3	SV8.5-8	28.0	3±10 %	17±20 %	800/1500	30

Article reference	ECE stan- dard	DIN stan- dard	ECE/ SAE category	Rated volt- age V	Rated wattage W	Base	Test voltage V	Power input W	Luminous flux lm	B ₃ /T _c	see page
6423	•		C5W	24	5	SV8.5-8	28.0	7±10 %	45±20 %	1500/4000	30
6424				24	5	SV8.5-8	28.0	7±10 %	62±20 %	1000/2000	30
6428				12	3	SV7-8	13.5	3.5±10 %	29±20 %	600/1200	23
6429				24	10	SV8.5-8	28.0	10±10 %	105±20 %	300/600	30
6430				24	3	SV7-8	28.0	3±10 %	min. 15	400/800	30
6438				12	10	SV8.5-8	13.5	10±10 %	120±25 %	500/1000	23
6453				24	15	SV8.5-8	28.0	15±8 %	220±20 %	75/200	30
6461				12	10	SV8.5-8	13.5	10±10 %	105±20 %	600/1200	23
6475		•		12	18	SV8.5-8	13.5	18±5 %	min. 240	75/200	23
6476	•		C21W	12	21	SV8.5-8	13.5	25±6 %	460±15 %	100/300	23
6480		•		24	18	SV8.5-8	28.0	20±5 %	min. 240	100/300	30
6486X				12	6	SV8.5-8	13.5	6±10 %	85±20 %	350/600	23
7225	•		P21/4W	12	21/4	BAZ15d	13.5	25±6 %/ 5±10 %	440±15 %/ 15±20 %	180//290/ 1250//4000	22
7326	•		S1	12	25/25	BA20d	13.5	25/ 25±5 %	435/ 315±20 %	100/100 ⁴⁾	21
7327	•		S2	12	35/35	BA20d	13.5	35/ 35±10 %	650/ 465±20 %	80/160 ⁴⁾	21
7504	•		WY21W	12	21	WX3x16d	13.5	25±6 %	280±20 %	400/600	22
7505	•		W21W	12	21	W3x16d	13.5	25±6 %	460±15 %	400/600	22
7506	•		P21W	12	21	BA15s	13.5	25±6 %	460±15 %	224/480	22
7506D	•		P21W	12	21	BA15s	13.5	25±6 %	460±15 %	500/1000	19
7507 ³⁾	•		PY21W	12	21	BAU15s	13.5	25±6 %	280±20 %	250/400	22
7507D ⁵⁾	•		PY21W	12	21	BAU15s	13.5	25±6 %	280±20 %	500/1000	19
7507LDA	•		PY21W	12	21	BAU15s	13.5	25±6 %	280±20 %	500/1000	17
7510LTS	•		PY21W	24	21	BAU15s	28.0	28±6 %	280±20 %	250/500	27
7511	•		P21W	24	21	BA15s	28.0	28±5 %	460±15 %	200/400	29, 30
7511LTS	•		P21W	24	21	BA15s	28.0	28±6 %	460±15 %	250/500	27
7515	•		W21/5W	12	21/5	W3x16q	13.5	25±6 %/ 6±10 %	440±15 %/ 35±20 %	400//600/ > 3000// > 3000	22
7528	•		P21/5W	12	21/5	BAY15d	13.5	25±6 %/ 6±10 %	440±15 %/ 35±20 %	180//290/ 1250//4000	22
7528D	•		P21/5W	12	21/5	BAY15d	13.5	25±6 %	440±15 %/ 35±20 %	300//800/ 3000//6000	19
7531				12	45/40	BA20d	13.2				37
7537	•		P21/5W	24	21/5	BAY15d	28.0	28±6 % 10±10 %	440±15 % 40±20 %	150/1500	29, 30
7951	•		R2	12	45/40	P45t	13.2	max. 57/51	min. 860/ 675±15 %	80//150/ 150//350	21
7952	•		R2	24	55/50	P45t	28.0	max. 76/69	min. 1000/ 730 ... 990	65//110/ 150//250	29
9003 ¹⁾	•		HB2	12	60/55	P43t	12.8	max. 72/65	1500/910 ±10 %	125//250/ 600//1200	21, 24
9003CB ¹⁽²⁾	•		HB2 ³⁾ /H4	12	60/55	P43t	13.2	max. 75/68	1650/ 1000±15 %	50//100/ 150//300	17
9004			HB1	12	65/45	P29t	12.8	max. 70/50	1200/ 700±10 %	150/320 (14.0V) ⁴⁾	24
9005 ¹⁾	•		HB3	12	60	P20d	13.2	max. 73	1860±12 %	280/550	21, 24
9005CB ¹⁾	•		HB3	12	60	P20d	13.2	max. 73	1860±12 %	70/135	17
9005XS ¹⁾	•		HB3A	12	60	P20d	13.2	max. 73	1860±12 %	280/550	21, 24
9006 ¹⁾	•		HB4	12	51	P22d	13.2	max. 62	1095±15 %	860/1720	21, 24
9006CB ¹⁽²⁾	•		HB4	12	51	P22d	13.2	max. 62	1095±15 %	200/410	17
9006XS ¹⁾	•		HB4A	12	51	P22d	13.2	max. 62	1095±15 %	860/1720	21, 24

Article reference	ECE stan- dard	DIN stan- dard	ECE/ SAE category	Rated volt- age V	Rated wattage W	Base	Test voltage V	Power input W	Luminous flux lm	B ₃ /T _c	see page
9007			HB5	12	65/55	PX29t	12.8	max. 70/60	1350/ 1000±10 %	250/500 (14.0V) ⁴⁾	24
9055 ¹⁾	•		H12	12	53	PZ20d	13.2	max. 61	1050±15 %	770/1550	21
9145 ¹⁾	•		H10	12	42	PY20d	13.2	max. 50	850±15 %	860/1720	21
62200				12	100	P14.5s	13.2				37
62201				12	100	PK22s	13.2				37
62203				12	100/80	P43t	13.2				37
62203				12	200/120 ²⁶⁾	P43t	13.2				37
62203ALL				12	100/80	P43t	13.2				37
62204				12	100/90	P43t	13.2				37
62209				12	90/80	P43t	13.2				37
62218				12	130/90	P43t	13.2				37
62241				24	100	P14.5s	28.0				37
62243				24	100	PK22s	28.0				37
62245				24	100/80	P45t	28.0				37
62248				24	100/90	P43t	28.0				37
62249				24	130/90	P43t	28.0				37
64070 ²⁵⁾				12	100	PX14.5s	13.2				37
64111 ⁶⁾				12	5	BA9s	13.5	5±7.5 %	80±15 %	150/500	23
64113 ⁶⁾				12	10	BA9s	13.5	10.3±7.5 %	200±15 %	150/400	23
64115				12	20	BA9s	13.5	22.5±7.5 %	450±15 %	150/500	23
64122MF				12	3	B10d	13.5	3±7.5 %	29±15 %	900/2000	25
64124MF				12	5	B10d	13.5	5±7.5 %	52.8±15 %	900/2000	25
64132	•		H6W	12	6	BAX9s	13.5	7±5 %	125±12 %	350/700	21
64132CB	•		H6W	12	6	BAX9s	13.5	7±5 %	125±12 %	200/400	17
64132D	•		H6W	12	6	BAX9s	13.5	7±5 %	125±12 %	600/1000	19
64136	•		H21W	12	21	BAY9s	13.5	25±5 %	600±12 %	300/600	22
64138	•		H21W	24	21	BAY9s	28.0	28±5 %	600±12 %	150/400	29
64150 ¹⁾	•		H1	12	55	P14.5s	13.2	max. 68	1550±15 %	400/650	21
64150CB ¹⁾	•		H1	12	55	P14.5s	13.2	max. 68	1550±15 %	150/250	17
64150D ¹⁾	•		H1	12	55	P14.5s	13.2	max. 68	1550±15 %	1200/2000	19
64150SVS ¹⁾	•		H1	12	55	P14.5s	13.2	max. 68	1730±3 %	150/350	15
64151 ¹⁾	•		H3	12	55	PK22s	13.2	max. 68	1450±15 %	400/650	21
64151CB ¹⁾	•		H3	12	55	PK22s	13.2	max. 68	1450±15 %	150/250	17
64152 ²⁴⁾				12	100	PX14.5s	13.2	93±5 %	2600±10 %	50 ⁴⁾	37
64153				12	100	PKY22s	13.2	85±5 %	2300±10 %	50 ⁴⁾	37
64155	•		H1	24	70	P14.5s	28.0	max. 84	1900±15 %	400/650	29
64155LTS	•		H1	24	70	P14.5s	28.0	max. 84	1900±15 %	600/1200	27
64156	•		H3	24	70	PK22s	28.0	max. 84	1750±15 %	400/650	29
64156LTS	•		H3	24	70	PK22s	28.0	max. 84	1750±15 %	600/1200	27
64157				24	100	PKXU22s	28.0				37
64173	•		H2	12	55	X511	13.2	max. 68	1800±15 %	90/250	21
64175	•		H2	24	70	X511	28.0	max. 84	2150±15 %	90/250	29
64178	•		H13	12	60/55	P26.4t	13.2	max. 75/68	1700/1100 ±15 %	120//210/ 800//1600	24
64183 ²¹⁾	•		R2	12	45/40	P45t	13.2	48.5/ 46.5±6 %	1030/740 +12 %/+5 % -15 %	250//400/ 500//1200	21
64185	•		HS1	12	35/35	PX43t	13.2	max. 36.8/ 36.8	825/ 525±15 %	150//150/ 300//300	21
64193	•		H4	12	60/55	P43t	13.2	max. 75/68	1650/1000 ±12 %/±15 %	250//400/ 500//900	21
64193				12	130/80 ²⁶⁾	P43t	13,2				37

Article reference	ECE stan- dard	DIN stan- dard	ECE/ SAE category	Rated volt- age V	Rated wattage W	Base	Test voltage V	Power input W	Luminous flux lm	B ₃ /T _c	see page
64193CB ²⁾	•		H4	12	60/55	P43t	13.2	max. 75/68	1650/1000 ±15 %	50//100/ 150//350	17
64193D ²⁾	•		H4	12	60/55	P43t	13.2	max. 75/68	1650/1000 ±12 %/±15 %	250//1200/ 500//3000	19
64193SVS ²⁾	•		H4	12	60/55	P43t	13.2	max. 75/68	1700/1075 ±10 %/±7 %	150//150/ 350//350	15
64194				12	100/80	PU43t	13.2	max. 109/85	2900/1500 ±15 %	75/150	37
64196	•		H4	24	75/70	P43t	28.0	max. 85/80	1900/1200 ±15 %	170//350/ 400//800	29
64196LTS	•		H4	24	75/70	P43t	28.0	max. 85/80	1900/1200 ±15 %	200//400/ 750//1400	27
64198				12	60/55	P45t	13.2				37
64198				12	130/80 ²⁶⁾	P45t	13.2				37
64199				24	75/70	P45t	28.0				37
64199				24	150/95 ²⁶⁾	P45t	28.0				37
64203				12	100/80	P45t	13.2				37
64203				12	200/120 ²⁶⁾	P45t	13.2				37
64204				12	100/80	P45t	13.2				37
64205				12	70/65	P43t	13.2				37
64205ALL				12	70/65	P43t	13.2				37
64206				12	85/80	P43t	13.2				37
64206ALL				12	85/80	P43t	13.2				37
64210 ¹⁾	•		H7	12	55	PX26d	13.2	max. 58	1500±10 %	330/550	21
64210CB ¹⁾²⁾	•		H7	12	55	PX26d	13.2	max. 58	1500±10 %	100/200	17
64210D ¹⁾²⁾	•		H7	12	55	PX26d	13.2	max. 58	1500±10 %	450/930	19
64210SVS ¹⁾²⁾	•		H7	12	55	PX26d	13.2	max. 58	1500±10 %	150/220	15
64211 ¹⁾	•		H11	12	55	PGJ19-2	13.2	max. 62	1350±10 %	1000/2000	21
64211D	•		H11	12	55	PGJ19-2	13.2	max. 62	1350±10 %	1000/2000	19
64212 ¹⁾	•		H8	12	35	PGJ19-1	13.2	max. 43	800±15 %	400/800	21
64213 ¹⁾	•		H9	12	65	PGJ19-5	13.2	max. 73	2100±10 %	250/500	21
64215	•		H7	24	70	PX26d	28.0	max. 75	1750±10 %	220/500	29
64215LTS	•		H7	24	70	PX26d	28.0	max. 80	1750±10 %	500/1000	27
64216LTS ⁹⁾	•		H11	24	70	PGJ19-2	28.0	max. 80	1600±10 %	750/1300	27
64217				12	65	PX26d	13.2				37
64218 ²³⁾				12	65	PX26d	13.2				37
64241 ⁷⁾	•		H11B	12	55	PGJY-2	13.2	max. 62	1350±10 %	350/440	21, 24
64242 ⁷⁾	•		H8B	12	35	PGJY-1	13.2	max. 43	800±15 %	400/620	21, 24
64243 ⁷⁾	•		H9B	12	65	PGJY-5	13.2	max. 73	2100±10 %	250/400	21, 24
66142 ⁹⁾¹⁾⁰⁾¹⁾¹⁴⁾	•		D1S	¹⁶⁾	35	PK32d-2	13.5 ²²⁾	35±3 %	3200±15 %	2000/3000	39
66152 ⁹⁾¹⁾¹⁾⁵⁾¹⁷⁾	•		D1R	¹⁶⁾	35	PK32d-3	13.5 ²²⁾	35±3 %	2800±16 %	2000/3000	39
66240 ⁹⁾¹⁾⁰⁾¹⁾¹⁾¹²⁾	•		D2S	¹⁶⁾	35	P32d-2	13.5 ²²⁾	35±3 %	3200±15 %	2000/3000	39
66250 ⁹⁾¹⁾¹⁾¹⁾³⁾¹⁷⁾	•		D2R	¹⁶⁾	35	P32d-3	13.5 ²²⁾	35±3 %	2800±16 %	2000/3000	39
66340 ⁹⁾¹⁾⁰⁾¹⁾¹⁾¹⁸⁾	•		D3S	¹⁶⁾	35	PK32d-5	13.5 ²²⁾	35±3 %	3200±15 %	1500/2500	39
66350 ⁹⁾¹⁾¹⁾¹⁾⁷⁾¹⁸⁾	•		D3R	¹⁶⁾	35	PK32d-6	13.5 ²²⁾	35±3 %	2800±16 %	1500/2500	39
66440 ⁹⁾¹⁾⁰⁾¹⁾¹⁾¹⁸⁾	•		D4S	¹⁶⁾	35	P32d-5	13.5 ²²⁾	35±3 %	3200±15 %	1500/2500	39
66450 ⁹⁾¹⁾¹⁾¹⁾⁷⁾¹⁸⁾	•		D4R	¹⁶⁾	35	P32d-6	13.5 ²²⁾	35±3 %	2800±16 %	1500/2500	39
94193	•		H4	12	60/55	P43t	13.2	max. 75/68	1650±12 % 1000±15 %	300//1100/ 500//2400	21
XENAELECTRON® XT5-1-D1/12V				12	41 ¹⁹⁾		13.5 ²²⁾	ca. 41		> 3000	40
XENAELECTRON® XT5-3-D1/12V TAB				12	41 ¹⁹⁾		13.5 ²²⁾	ca. 41		> 3000	40
XENAELECTRON® XT5-1-D1/24V				24	41 ¹⁹⁾		13.5 ²²⁾	ca. 41		> 3000	40
XENAELECTRON® XT5-3-D1/24V TAB				24	41 ¹⁹⁾		13.5 ²²⁾	ca. 41		> 3000	40
XENAELECTRON® XT5-3-D3/12V TAB				12	42 ²⁰⁾		13.5 ²²⁾	ca. 42		> 3000	40

Cable for OSRAM D1 systems.

Article reference		see page
32340	Connecting cable	41
32342	Connecting cable	41
32344	Connecting cable	41
32346	Connecting cable	41
32350	Connecting cable	41
32356	Connecting cable	41
32358	Connecting cable	41
32360	Connecting cable	41
32362	Connecting cable	41
32378	Connecting cable	41
67620	Connecting cable	41
67635	Connecting cable	41
67640	Connecting cable	41

Key: 1-filament lamp e.g. 100/300
2-filament lamp e.g. 100/300/500/100

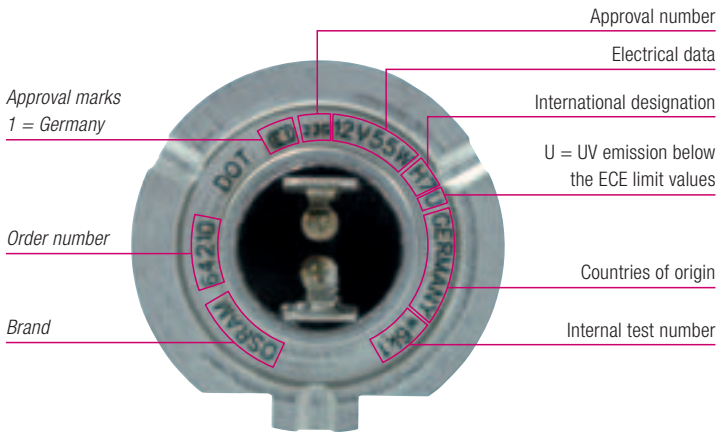
B₃

T_c

- 1) Lamps comply with ECE R 37 and SAE (DOT) regulations.
- 2) With silver cap.
- 3) SAE category reference, H4 with strict geometrical tolerances.
- 4) B₃₀ = average lifespan
Explanation: 1-filament lamp e.g. 100
2-filament lamp e.g. 100/300
- 5) Amber lamps for clear indicators.
- 6) Also available with glass base (article reference 6411150 or 6411350).
- 7) New development for simple lamp replacement and highly efficient headlights; supplied on request.
- 8) On request.
- 9) Reduced UV emission.
- 10) For projection headlights.
- 11) DOT and ECE approved.
- 12) Successor to 66040, simple replacement.

- 13) Successor to 66050, simple replacement.
- 14) 66042/66043 are successors to 66142.
- 15) 66052/66053 are successors to 66152.
- 16) To be operated only with approved electronic control gear.
- 17) With anti-glare strip for reflection headlights.
- 18) Mercury-free.
- 19) For operating an OSRAM D1 XENARC® electronic 35 W gas discharge lamp.
- 20) For operating an OSRAM D3 XENARC® electronic 35 W gas discharge lamp.
- 21) Successor to the BILUX® AS® lamp (article reference 7951).
- 22) Operating voltage on a suitable ECG.
- 23) Without tip.
- 24) 2600 lm.
- 25) 3000 lm.
- 26) Candle Power.

Base stamps and symbols.



The most important data on an OSRAM H7 lamp.

Any manipulation of our products or packaging, including but not limited to modification, reworking or restamping, is prohibited and infringes our registered trademark rights. Such modifications may impair the technical properties of our products, destroy them or cause consequential damage or injury, for which OSRAM cannot under any circumstances be held responsible.

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www.osram.de, www.osram.com



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- ECE

Int. category label ECE
- SAE

SAE category
- E.

ECE standard
- COLOR

Colour for base
- Lamp

For lamp
- Lamp

Connector code (lamp side)
- ECG

Connector code (ECG side)
- W

Rated wattage in watts
- A

Rated current in amps
- V

Voltage in volts
- Hz

Mains frequency Hz
- °C

Temperature range
- Base

Base
- No.

Fig. no.
- g

Weight
- b (mm)

Width b in mm
- h (mm)

Height h in mm
- l (mm)

Length l in mm
- Shipping unit

Shipping unit