





Lighting Programme 2011 **Automotive lamps**





See the world in a new light – www.osram.com

On the OSRAM website, you can find more than just the fascinating world of light and lighting, the latest information and interesting links, you can also download various practical tools and service offerings for commercial customers and consumers.

Focusing on your needs.

To help you find what you're looking for even faster, we have reorganized the OSRAM website so it fits better with your requirements. Products for lighting professionals from the lighting professional are all together in the PROFESSIONAL section. You will find advice, costings, business services, downloads and everything to do with training and know-how in the TOOLS & SERVICES section. Consumers can experience the entire OSRAM world of lighting in the CONSUMER section – lamps, luminaires and accessories for the home and automobile, and the latest campaigns and competitions.

OSRAM automotive lamps. Just what you were looking for.



At www.osram.com/ applicationguide, you can discover which of the more than 400 OSRAM automotive lamps is right for your vehicle.

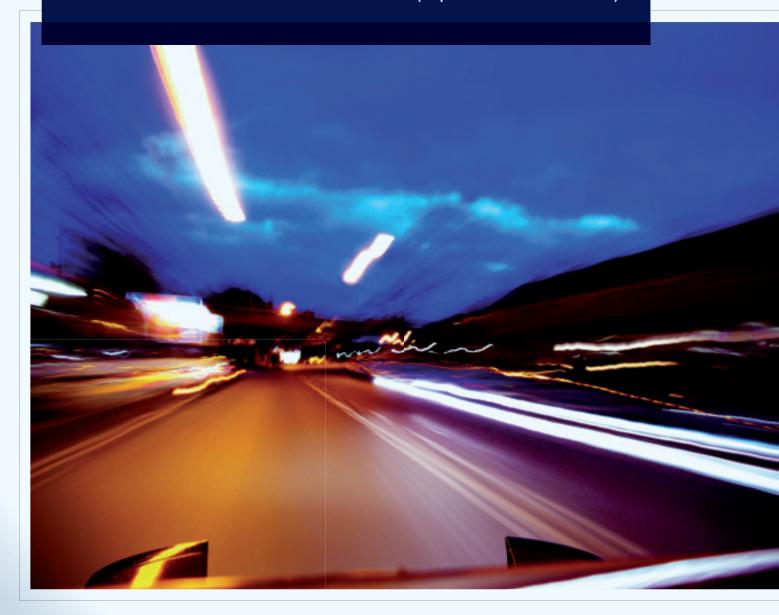
Quality and ecology		
VENABOR OCCUPATION		(market
(ENARC® COOL BLUE® INTENSE		(3+20%
he xenon designer lamp	D1S, D1R, D2S, D2R	
KENARC® ORIGINAL		free to
he original xenon lamp	D1S, D1R, D2S, D2R, D3S, D3R, D4S, D4R	PAR
NIGHT BREAKER® PLUS		
he maximum performance lamp	H1, H3, H4, H7, H11	
COOL BLUE®		XENO LOO Up 10 400 KELV
he designer lamp	H1, H3, H4, H7, H11, HB2, HB3, HB4, W5W, H6W	KELV
JLTRA LIFE	H1, H4, H7, H6W, P21/5W, P21W, PY21W,	O 32
he longlife lamp	R5W, R10W, W5W, C5W	
SILVERSTAR®		+ 50
he performance lamp	H1, H4, H7, HS1	+ 20
NIGHT RACER®/X-RACER®	•	
he motorcycle lamp	H4, H7	1
ne motorcycle lamp	п4, п/	
ORIGINAL LINE 12V		ORIGINAL SPARE
he original lamp	Complete sales programme	
TRUCKSTAR®		+100
he heavy-duty longlife lamp	H1, H3, H4, H7, T4W, R5W, R10W, P21W, PY21W	U 2,6 LIFETIN
ORIGINAL LINE 24V		ORIGINA SPARE
he original lamp	Complete sales programme	SPAR
OFF-ROAD ¹⁾ special lamps		Off-Ro
he special lamp		
Spare lamp kits for automobiles	s and trucks	
he replacement lamp	H1, H4, H7	
Retail cabinets for automotive la	amns	
OSRAM – a partner for retailers	•	
Floor and counter displays		
Self-service range		
Notes on product labeling and o		
Glossary of the most important	lighting terms	
Summary of bases		

Our ideas lead the way.

The mobility concepts for the future are based firmly on vehicles with low emissions but high performance. As the world market leader in automotive lighting, OSRAM is setting the pace in researching and developing new types of lighting systems. The result is a series of technologies that are economical yet powerful, refined yet simple, enhancing both comfort and safety on the roads.

There are numerous reasons why OSRAM leads the world in automotive lighting. Not only do we supply innovative products, we actively support retailers and workshops with high-performance sales logistics and reliable delivery service. Training courses and intensive advertising and PR activities ensure optimal consulting quality and higher sales.

On the spare parts market too, our products meet the same high quality standards that automobile manufacturers demand for their new cars (as per Directive EU 1400/2002).





Optimum light for faster reactions.

NIGHT BREAKER® PLUS is the ideal lamp for drivers who want to drive more safely with more light and stay relaxed. With patented blue ring coating for less reflected glare, this halogen lamp produces up to 90% more light on the road, has a beam that is up to 35 meters longer and provides light that is up to 10% whiter. The longer beam means that drivers can spot obstacles and dangerous situations much sooner. It focuses the light 75 to 100 meters ahead of the vehicle – precisely where the driver needs it. The extra reaction time can be the difference between life and death! Now with up to 50% longer life compared with the first-generation NIGHT BREAKER®.



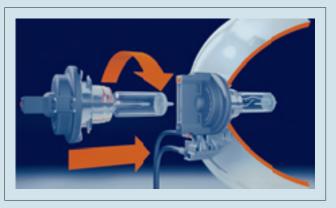
The beauty of light. XENARC®.

The fascinatingly bright xenon light continues its triumphant march. Having conquered the top-of-the-range market, it has now moved into the mid-range market. Gas discharge lamps with their innovative arc technology generate up to 100 % more light than halogen lamps at 300 % greater luminous efficacy. Modern lighting concepts from OSRAM offer far more than safe and comfortable driving. They underline personal lifestyles, demonstrate environmental awareness and stand for a new sensation in light. With the new XENARC® COOL BLUE® INTENSE lamps, OSRAM exclusively offers high-contrast blue xenon light for design-conscious drivers.



LEDs are gaining in popularity. OSRAM Joule.

LED technology is already changing the face of automotive lighting. Setting high standards right from the start in this huge market of the future, OSRAM has developed Joule, the world's first standardized LED system. It will give automobile manufacturers new freedom of design, reduce costs and extend the life of the lighting system. Joule was successfully launched in 2005 and more and more manufacturers now use our LED systems for their new models.



Freedom of design par excellence. OSRAM SNAPINLITE®.

In addition to LED technology, OSRAM offers its partners a series of innovations with great market opportunities. OSRAM SNAPINLITE®, which has been approved for use throughout the world, has an intelligent base design that makes changing lamps very easy. The lamp can be installed without involving any cables, separate connectors or retaining springs. The OSRAM SNAPINLITE® concept provides great freedom in the development of new, multifunctional headlight models. The low base height and particularly small reflectors save space and weight, opening up a wide range of possible applications.





Shining a light on OEM quality.

"Total Quality Management" (TQM) is the corporate principle on which OSRAM defines its quality standards. It covers the demands that we place on the finished products, components and parts, as well as on the requirements for optimizing our processes and organization. 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 many of our own production facilities as possible. 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 durability. They put the ideal amount of light on the road without blinding oncoming drivers ¹⁾ and therefore contribute greatly to road safety.

OEM quality.

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.

Sustainable production for the sake of the environment.

Sustainability is an essential part of our corporate philosophy. OSRAM therefore uses as few hazardous substances as possible, saves energy at every opportunity and reduces the amount of packaging material wherever it can. Environmental protection is much more for us than just meeting statutory requirements. Our comprehensive environmental management system ensures that our principles are always put into practice. As a member of the United Nations Global Compact, OSRAM is committed to ecologically and socially sustainable development throughout the world.

Hazardous substances.

There are strict restrictions on the use of hazardous substances in all areas of the company – from development and production to the cleaning processes in the operational facilities. OSRAM makes use of highly developed technologies to reduce the use of hazardous substances to the absolute minimum necessary to ensure correct operation.

Energy.

In terms of energy savings, OSRAM has two claims to fame. First, the company itself saves on resources by developing and operating safe and clean plants that need less and less energy. Second, it develops energy-saving products that meet the needs of ecoconscious customers.

Packaging.

OSRAM makes use of the latest eco-friendly developments for its packaging. The majority of products are packaged in cardboard boxes or blister packs and then in corrugated cardboard cartons as packaging units. Therefore, the recycling quotas here are particularly high: 80% for cardboard boxes and blister packs, and between 70% and 90% for corrugated cardboard cartons.



For more information on light and the environment, go to our homepage at **www.osram.com**.





OSRAM XENARC® COOL BLUE® INTENSE Cool look for design professionals.

It is exceptionally bright, offers high contrast and is now brilliantly blue. The xenon light of the XENARC® COOL BLUE® INTENSE is an impressive demonstration of OSRAM's innovation power. With its highly efficient technology, brilliant effect and no-compromise design, it represents light for a new generation.



Outstanding technology.

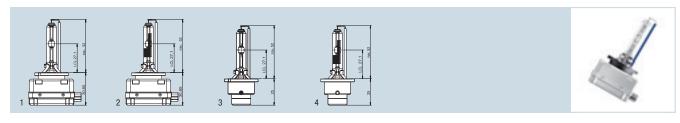
Xenon light is not just the "non plus ultra" for automobile specialists, it is also highly desirable for drivers looking for visionary technology. The new OSRAM XENARC® COOL BLUE® INTENSE produces a bluish light that offers high levels of contrast at usual HID luminous flux. The benefits of this technology provide a perfect view of the road ahead and individual styling.

Cool look. XENARC® COOL BLUE® INTENSE.

- COOL BLUE® effect at usual HID luminous flux
- Maximally uniform, high-contrast light for safe, fatigue-free driving
- ECE-approved with DOT labeling
- Long life
- Stylish, modern appearance on the road

XENARC® lamps should be replaced by a qualified mechanic.

OSRAM XENARC® COOL BLUE® INTENSE



Product reference	Product number	ECE	W		lm	K	4	No.
66144CBI 1)	4008321 401472	D1S 3)	35	PK32d-2	3200 4)	5000	10	1
66154CBI 1)	4008321 401373	D1R 3)	35	PK32d-3	2800 ⁴⁾	5000	10	2
66240CBI 1)	4008321 401359	D2S 3)	35	P32d-2	3200 ⁴⁾	5000	10	3
66250CBI 2)	4008321 401533	D2R 3)	35	P32d-3	2800 4)	5000	10	4

Comparison		D1S CBI	D1R CBI	D2S CBI	D2R CBI
Rated wattage	W	35	35	35	35
Luminous flux	lm	32004)	28004)	32004)	28004)
Luminous efficacy	Im/W	89	80	89	80
Color temperature	K	5000	5000	5000	5000
Lamp life	h B₃	1500	1500	1500	1500
	T _c	2500	2500	2500	2500



Now the extra blue light comes from a special filling system instead of a conventional coating.

Trademark feature: blue ceramic tube to distinguish it visually from the standard version.



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

¹⁾ Reduced UV emission | For projection headlights | ECE approval and DOT label.

²⁾ Reduced UV emission | With anti-glare strip for reflection headlights | ECE approval and DOT label.

³⁾ To be operated only with approved electronic control gear.

⁴⁾ \pm 450 lm.



OSRAM XENARC® An innovation for comfort and the environment.

OSRAM has given vehicle lighting a whole new intensity with the arc technology of the XENARC® family of lamps. The D3 and D4 XENARC® systems prove that environmental concerns are very much at the forefront of OSRAM's thinking in its product development activities. They offer the full output of xenon light entirely without mercury.



The first xenon light without mercury.

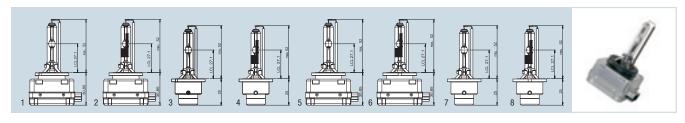
With its D3 and D4 XENARC® systems, OSRAM is taking environmental protection and efficiency to new heights. Arc technology produces an extremely bright arc of light from an electronically controlled gas discharge. This produces twice as much light as the filament in a halogen lamp. Good illumination of the road ahead is one of the factors that contribute to driver comfort, so even long journeys through the night are more relaxed than ever before. A color temperature similar to that of natural daylight also helps keep drivers relaxed.

Better visibility, greater safety.

- Very bright arc produced by an electronically controlled gas discharge
- Up to 100% more light than halogen lamps
- At 4,150 K, it has a color temperature closer to natural daylight than conventional halogen light (3,200 K) and is therefore easier on the eyes
- Better illumination of the road reduces the risk of accidents
- The D3 and D4 XENARC® systems are mercury-free and therefore more eco-friendly
- CO₂ reduction: xenon saves 50 % energy (corresponding to 1 g CO₂/km) compared to standard halogen lamps

XENARC® lamps should be replaced by a qualified mechanic.

XENARC® electronic gas discharge headlight lamps



Product reference	Product number	ECE	W		lm	K	4	No.
66144 ¹⁾	4008321 184474	D1S 3)	35	PK32d-2	3200 4)	4150	10	1
66154 ²⁾	4008321 184511	D1R 3)	35	PK32d-3	2800 4)	4150	10	2
66240 1)	4008321 184573	D2S 3)	35	P32d-2	3200 ⁴⁾	4150	10	3
66250 ²⁾	4008321 184634	D2R 3)	35	P32d-3	2800 4)	4150	10	4
66340 ¹⁾	4008321 379627	D3S 3)	35	PK32d-5	3200 ⁴⁾	4150	10	5
66350 ²⁾	4008321 129857	D3R 3)	35	PK32d-6	2800 4)	4150	10	6
66440 ¹⁾	4008321 349392	D4S 3)	35	P32d-5	3200 ⁴⁾	4150	10	7
66450 ²⁾	4008321 349576	D4R 3)	35	P32d-6	2800 4)	4150	10	8

Comparison		D1S	D1R	D2S	D2R	D3S	D3R	D4S	D4R
Rated wattage	W	35	35	35	35	35	35	35	35
Luminous flux	lm	32004)	28004)	3200 4)	28004)	3200 4)	28004)	3200 4)	28004)
Luminous efficacy	lm/W	89	80	89	80	89	80	89	80
Color temperature	K	4150	4150	4150	4150	4150	4150	4150	4150
Lamp life	h B ₃	2000	2000	2000	2000	1800	1800	1800	1800
	T _c	3000	3000	3000	3000	3000	3000	3000	3000

With an average life of up to 3,000 hours, XENARC® lamps generally outlast the average automobile. In such cases, there are no costs for maintenance or replacement.

XENARC® lamps should be replaced by a qualified mechanic.





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

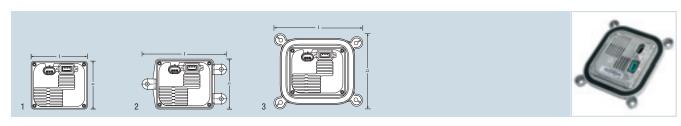
¹⁾ Reduced UV emission | For projection headlights | ECE approval and DOT label.

²⁾ Reduced UV emission | With anti-glare strip for reflection headlights | ECE approval and DOT label.

³⁾ To be operated only with approved electronic control gear.

⁴⁾ \pm 450 lm.

XENAELECTRON® for XENARC® electronic gas discharge headlight lamps



Product reference	Product number	ECE	V	[mm]	[mm]	h [mm]	°C minmax.	a	No.
XENAELECTRON XT-D1/12V	4008321 908575	D1S & D1R	12	82	73.15	25.2	-40+105	40	1
XENAELECTRON XT-D1/12V	4008321 908582	D1S & D1R	12	125	74.11	25.2	-40+105	40	2
XENAELECTRON XT5-2-D1/12V BH	4008321 033611	D1S & D1R	12	123	105.77	25.2	-40+105	45	3
XENAELECTRON XT5-1-D1/24V	4008321 139047	D1S & D1R	24	82	73.15	25.2	-40+105	40	1
XENAELECTRON XT5-3-D1/24V TAB	4008321 139023	D1S & D1R	24	125	74.11	25.2	-40+105	40	2
XENAELECTRON XT5-2-D3/12V BH	4008321 139061	D3S & D3R	12	123	105.77	25.2	-40+105	45	3

Systematic power.

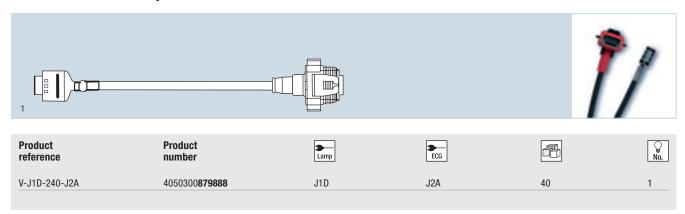
The strength of the XENARC® D1/D3 system comes from the perfect combination of individual components. The XENAELECTRON® XT5-D1/12 V/24V or XENAELECTRON® XT5-D3/12V control gear for mercury-free gas discharge lamps (XENARC® D3) is connected to the OSRAM XENARC® electronic D1/D3 lamp via the appropriate connecting cables.

Caution: Because of their high voltage, XENAELECTRON® control gear may only be replaced by properly trained personnel.

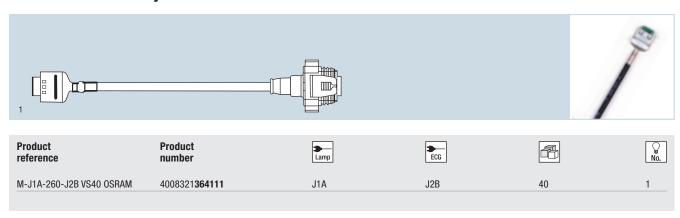
Professional electronics from the system expert.

- Perfectly matched to OEM automotive requirements
- Compact design of the XENAELECTRON® control gear
- Excellent EMI performance
- Modular construction for use in different headlight designs

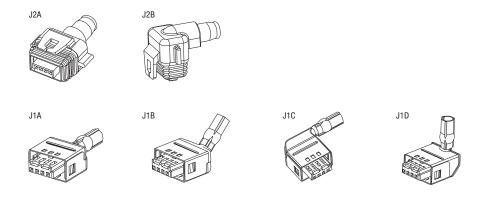
Cable for OSRAM D1 systems



Cable for OSRAM D3 systems

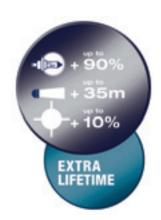


The cables are available with different connector configurations and in alternative lengths.



XENARC® electronic D1S/R or D3S/R, XENAELECTRON® control gear and the associated connecting cables form a perfectly matched system from OSRAM.

OSRAM NIGHT BREAKER® PLUS The world's most powerful automotive halogen lamp.



Unrivaled brilliance has a name: OSRAM NIGHT BREAKER® PLUS! The lamp produces more light and creates a longer beam than any other halogen lamp. More technology for longer life.



Optimum light for faster reactions.

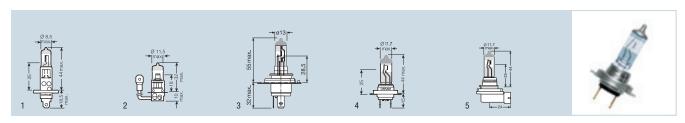
NIGHT BREAKER® PLUS is the ideal lamp for drivers who want to drive more safely with more light and stay relaxed. With patented blue ring coating for less reflected glare, this halogen lamp produces up to 90 % more light on the road, has a beam that is up to 35 meters longer and provides light that is up to 10 % whiter. The longer beam means that drivers can spot obstacles and dangerous situations much sooner. It focuses the light 75 to 100 meters ahead of the vehicle – precisely where the driver needs it. The extra reaction time can be the difference between life and death!

Fighting the dark forces - day and night.

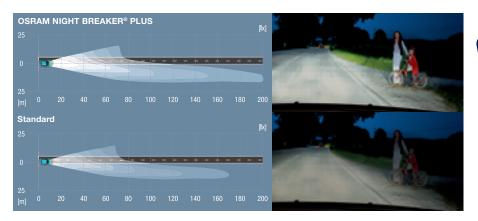
- Up to 90 % more light on the road ¹⁾ for better visibility and much longer reaction time
- Up to 35 m longer beam of light 1)
- Up to 10% whiter light 1) for comfortable, fatigue-free driving
- Up to 50 % longer life 2) (Extra Lifetime)
- Eye-catching design with partial, blue coating and silver cap (H4/H7/H11)
- Gold-plated contacts (H4/H7) for excellent corrosion protection, outstanding conductivity and high-class look

1) Compared with standard lamps. 2) Compared with the first NIGHT BREAKER® generation.

OSRAM NIGHT BREAKER® PLUS



64150NBP 4008321544506 H1 12 55 P14.5s 100 1 64151NBP 4008321544438 H3 12 55 PK22s 100 2 64193NBP 4008321550460 H4 12 60/55 P43t 100 3 64210NBP 4008321548085 H7 12 55 PX26d 100 4 6421NBP 400832154605 H1 12 55 PC10.2 100 5	Product reference	Product number	ECE	V	W		a	No.
64193NBP 4008321 550460 H4 12 60/55 P43t 100 3 64210NBP 4008321 548085 H7 12 55 PX26d 100 4	64150NBP	4008321 544506	H1	12	55	P14.5s	100	1
64210NBP 4008321 548085 H7 12 55 PX26d 100 4	64151NBP	4008321 544438	Н3	12	55	PK22s	100	2
	64193NBP	4008321 550460	H4	12	60/55	P43t	100	3
CADITATED 4000221EAACOE 111 12 EE DC 110 2 100 E	64210NBP	4008321 548085	H7	12	55	PX26d	100	4
04211NDP 4000321 344003 N11 12 33 PGJ19-2 100 5	64211NBP	4008321 544605	H11	12	55	PGJ19-2	100	5





Now with new technology for longer life.



OSRAM NIGHT BREAKER® PLUS provides an impressive combination of unique design and top technology. Suitable for high beam, low beam and front fog lights for all vehicle types equipped with halogen technology. Approved for use throughout Europe.



OSRAM COOL BLUE® Stylish and safe.

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



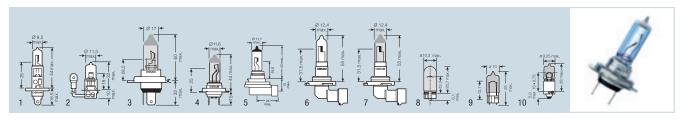
Cool light, strong effect.

COOL BLUE® produces high-contrast light similar to natural daylight and is therefore easier on the eyes than the light from conventional headlights. The bluish-white light has a color temperature of up to 4,000 K, making it an attractive lamp and putting many other "blue" lamps firmly in the shade. COOL BLUE® H7 and H4 lamps have an eye-catching design, perfect for style-conscious drivers. Behind the clear glass, the silver cap blends perfectly with the reflector.

Features at a glance.

- Modern, bright bluish-white light (up to 4,000 K, similar to light from xenon lamps)
- Up to 20% brighter than standard lamps (subjective impression)
- High-contrast illumination of the road
- Optimized design with a silver cap (H7/H4), ideal for clear-glass headlights
- Available for all front lighting functions
- For the design-conscious driver

OSRAM COOL BLUE®



Product reference	Product number	ECE	V	W		7	No.
64150CB 1)	4050300 575209	H1	12	55	P14.5s	100	1
64151CB ¹⁾	4050300 647920	Н3	12	55	PK22s	100	2
64193CB ²⁾	4050300 552255	H4	12	60/55	P43t	100	3
64210CB 3)	4050300 580197	H7	12	55	PX26d	100	4
64211CB	4008321 421296	H11	12	55	PGJ19-2	20	5
9003CB 3)	4050300 575179	HB2 4)	12	60/55	P43t	100	3
9005CB 1)	4050300 189673	HB3	12	60	P20d	100	6
9006CB 3)	4050300 189697	HB4	12	51	P22d	100	7
2825CB	4008321 094636	W5W	12	5	W2.1x9.5d	50	8
2825HCB	4008321 095169	W5W	12	5	W2.1x9.5d	50	9
64132CB	4008321 094957	H6W	12	6	BAX9s	50	10

The matching DIADEM® indicator lamp.



OSRAM DIADEM® – indicator lamps with interference layer



Product reference	Product number	ECE	٧	W		3	No.
7507LDA 5)	4008321 137418	PY21W	12	21	BAU15s	50	1
7508LDR ⁶⁾	4008321 376848	PR21W	12	21	BAW15s	10	1
7538LDR ⁶⁾	4008321 376862	PR21/5W	12	21/5	BAW15d	10	2

- 1) Lamps comply with ECE R 37 and SAE (DOT) regulations.
- 2) With silver cap.
- 3) Lamps comply with ECE R 37 and SAE (DOT) regulations | With silver cap.
- 4) SAE category reference, H4 with strict geometrical tolerances.
- 5) Amber lamps for clear indicators.
- 6) Red lamp for clear reversing/brake lights.

OSRAM DIADEM® indicator lamps have the most advanced interference coating. The surface of a DIADEM® lamp therefore has an opalescent appearance. The lamp only appears amber or red when it is on. This design effect is ideal for all indicator and reversing lights with clear covers.



OSRAM ULTRA LIFE They last and last and last ...

ULTRA LIFE lamps last up to three times longer than conventional automotive lamps. For ULTRA LIFE headlight lamps that are not in commercial use, OSRAM is the first manufacturer to offer a three-year guarantee (* for precise conditions, go to www.osram.com/am-guarantee).



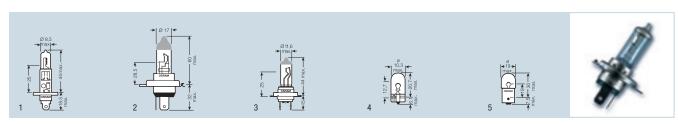
OSRAM ULTRA LIFE - now with a 3-year guarantee.

So annoying: a headlight lamp suddenly fails in the middle of the night. A replacement lamp has to be found and installed quickly because driving with one headlight is a huge safety risk. Drivers who are often on the road at night or who do not want to go without the safety of low beam light during the day are well aware of this situation. Because they are in almost constant use, the headlights of these drivers fail more often than usual. Owners of vehicles with headlight lamps that are difficult to access also save themselves time and money with the new ULTRA LIFE lamps. And the environment also benefits as fewer replacements means less waste.

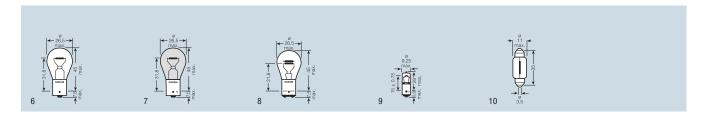
Ultra variety for any automobile.

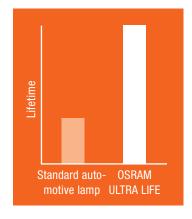
- The first automotive brand lamp to have a 3-year quarantee
- Lasts up to three times longer than a conventional automotive lamp
- Unique reliability
- Suitable for all vehicle types
- Modern design with a silver cap (H4/H7), ideal for clear-glass headlights
- Approved for use throughout Europe

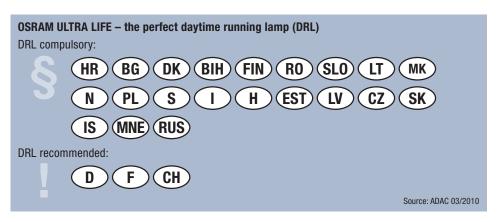
OSRAM ULTRA LIFE – up to 3 times the life



Product reference	Product number	ECE	V	W		a	No.
64150ULT 1)	4008321 416209	H1	12	55	P14.5s	100	1
64193ULT ²⁾	4008321 416230	H4	12	60/55	P43t	100	2
64210ULT 3)	4008321 416261	H7	12	55	PX26d	100	3
2825ULT	4008321 413024	W5W	12	5	W2.1x9.5d	50	4
5007ULT	4008321 415370	R5W	12	5	BA15s	50	5
5008ULT	4008321 415400	R10W	12	10	BA15s	50	5
7506ULT	4008321 415349	P21W	12	21	BA15s	50	6
7507ULT ⁴⁾	4008321 413147	PY21W	12	21	BAU15s	50	7
7528ULT	4008321 413116	P21/5W	12	21/5	BAY15d	50	8
64132ULT	4008321 413178	H6W	12	6	BAX9s	50	9
6418ULT	4008321 413086	C5W	12	5	SV8.5-8	50	10







¹⁾ Lamps comply with ECE R 37 and SAE (DOT) regulations.

²⁾ With silver cap.

³⁾ Lamps comply with ECE R 37 and SAE (DOT) regulations I With silver cap.

⁴⁾ Amber lamps for clear indicators.



OSRAM SILVERSTAR® More power, greater safety.

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



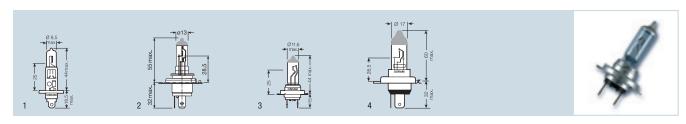
Safety in the dark.

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 at 50 to 75 m in front of the vehicle enables drivers to spot road signs, obstacles and other dangers sooner so they can react in good time.

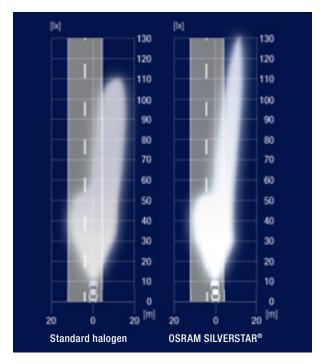
SILVERSTAR® speaks for itself.

- Up to 50 % more light on the road 1) for greater safety
- Up to 20 m longer beam 1)
- Modern design with silver cap, ideal for all clear-glass headlights (H4/H7)
- For the performance-conscious driver

OSRAM SILVERSTAR®



Product reference	Product number	ECE	V	W		4	No.
64150SVS 1)	4050300 647852	H1	12	55	P14.5s	100	1
64193SVS ²⁾	4050300 629711	H4	12	60/55	P43t	100	2
64210SVS 3)	4050300 629643	H7	12	55	PX26d	100	3
64185SVS	4008321 079407	HS1	12	35/55	PX43t	100	4





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





OSRAM NIGHT RACER® and X-RACER® POWER and EMOTION!

See and be seen: life assurance for motorcyclists. With the NIGHT RACER® and X-RACER® high-performance lamps, OSRAM is taking freedom on two wheels to new levels – for both relaxed cruising and more sporty riding. Quality in duplicate: one lamp for instant replacement, one lamp as a spare on the move.



OSRAM NIGHT RACER®:

The best there is - perfect for perfectionists.

No-compromise riders who want only the best should look no further than OSRAM NIGHT RACER®. There is not a more effective and reliable halogen light for bikes. Any further questions?

- Up to 90 % more light on the road ¹⁾ for excellent visibility, more time to react and maximum safety
- Up to 35 m longer beam of light 1)
- Easier on the eyes with up to 10 % whiter light 1) for comfortable, fatigue-free driving
- Approved for use throughout Europe

OSRAM X-RACER®:

The xenon look - making a bold statement.

If you want good visibility and good looks, then choose OSRAM X-RACER®. Its cool blue light is very much in fashion and will turn heads wherever you go. It is also easy on the eyes.

- Modern, bright bluish-white light (up to 4,000 K, similar to the color temperature of xenon lamps)
- Up to 20 % brighter 1) (subjective impression)
- Brighter and therefore more comfortable for the driver
- Approved for use throughout Europe

1) Compared with standard lamps.

OSRAM NIGHT RACER®



Product reference	Product number	ECE	V	W		4	No.
64193NR-02B	4008321 395672	H4	12	60/55	P43t	20	1
64210NR-02B	4008321 395658	H7	12	55	PX26d	20	2

OSRAM X-RACER®



Product reference	Product number	ECE	V	W		4	No.
64193XR-02B	4008321 395719	H4	12	60/55	P43t	20	1
64210XR-02B	4008321 395696	H7	12	55	PX26d	20	2



Spare lamps - mandatory in many countries!

Carrying spare lamps is recommended in Germany and required by law for motorcyclists in many European countries.

Get your bikes on the right track, with NIGHT RACER $^{\circledcirc}$ and X-RACER $^{\circledcirc}$ in an innovative dual pack.



OSRAM has been awarded a trophy in the "Communication Design" category for its motorcycle spare lamp box.





OSRAM ORIGINAL LINE 12V The classic.

The lamps in the OSRAM ORIGINAL LINE 12V family are highly reliable and have an excellent price-to-performance ratio. Customers who appreciate good quality will be making the right choice with the ORIGINAL LINE 12V.



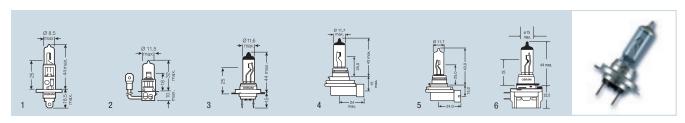
Peak performance - reliable and cost-effective.

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 ORIGINAL LINE 12V family is an extremely popular and successful workhorse. With its excellent price-to-performance ratio and outstanding quality, it is the lamp of choice for a wide range of customers. Its combination of first-class quality, impressive brightness and reliable 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 until the very end.

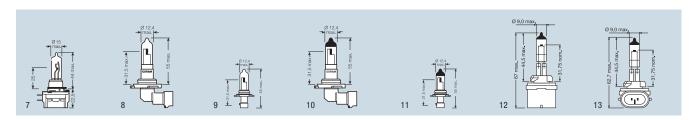
The tried and tested solution for standard requirements.

- OEM quality
- Excellent price-to-performance ratio
- Successfully used in millions of new automobiles from renowned manufacturers
- Impressive brightness and reliability

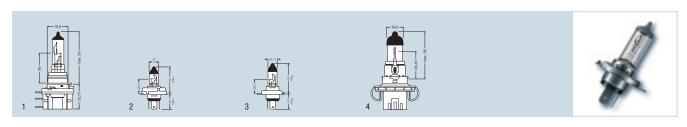
Single-coil headlight lamps for innovative dual headlight systems



Product reference	Product number	ECE	V	W		7	No.
64150 ¹⁾	4050300 001487	H1	12	55	P14.5s	100	1
64151 ¹⁾	4050300 001494	Н3	12	55	PK22s	100	2
64210 ¹⁾	4050300 332185	H7	12	55	PX26d	100	3
64211 ¹⁾	4050300 524313	H11	12	55	PGJ19-2	100	4
64212 1)	4050300 498751	Н8	12	35	PGJ19-1	100	4
64213 ¹⁾	4050300 524368	Н9	12	65	PGJ19-5	100	5
64241 ¹⁾	4008321 054654	H11B ²⁾	12	55	PGJY19-2	100	6
64242 1)	4008321 055422	H8B ²⁾	12	35	PGJY19-1	100	6
64243 ¹⁾	4008321 055477	H9B ²⁾	12	65	PGJY19-5	100	7
9005 1)	4050300 137193	HB3	12	60	P20d	100	8
9005XS 1)	0046135 320408	HB3A	12	60	P20d	100	9
9006L 1)	4050300 012650	HB4	12	51	P22d	100	10
9006XS 1)	4050300 532400	HB4A	12	51	P22d	200	11
9145 ¹⁾	4050300 186320	H10	12	42	PY20d	100	10
880	4008321 542991	H27/1	12	27	PG13	100	12
881	4008321 543028	H27/2	12	27	PGJ13	100	13



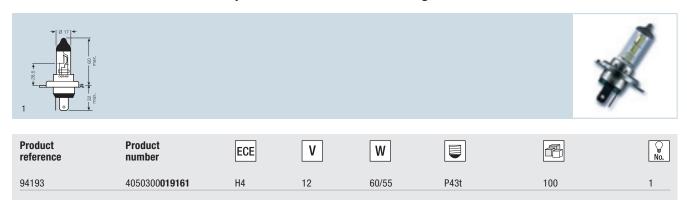
Dual-coil BILUX® headlight lamps for normal headlight systems



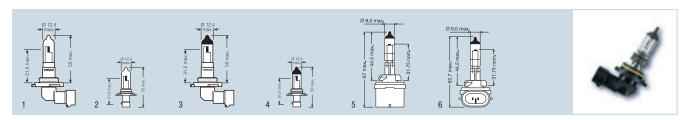
Product reference	Product number	ECE	V	W		8	No.
64176 ¹⁾	4008321 218414	H15	12	15/55	PGJ23t-1	100	1
64183 ³⁾	4050300 350554	R2	12	45/40	P45t	100	2
64185	4050300 439969	HS1	12	35/35	PX43t	100	3
64193	4050300 001470	H4	12	60/55	P43t	100	3
9003L 1)	4050300 308975	HB2	12	60/55	P43t	100	3
9008 1)	4008321 939401	H13	12	60/55	P26.4t	10	4

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

GIGANT® HEAVY-DUTY BILUX® lamps – vibration-resistant design



Single-coil headlight lamps with SAE approval

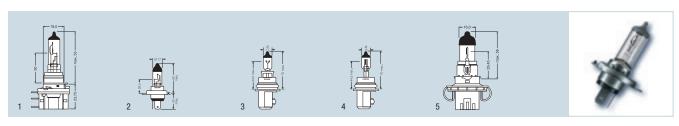


Product reference	Product number	ECE	V	W		4	No.
9005 1)	4050300 137193	HB3	12	60	P20d	100	1
9005XS 1)	0046135 320408	HB3A	12	60	P20d	100	2
9006L 1)	4050300 012650	HB4	12	51	P22d	100	3
9006XS 1)	4050300 532400	HB4A	12	51	P22d	200	4
9145 ¹⁾	4050300 186320	H10	12	42	PY20d	100	3
880	4008321 542991	H27/1	12	27	PG13	100	5
881	4008321 543028	H27/2	12	27	PGJ13	100	6

¹⁾ Lamps comply with ECE R 37 and SAE (DOT) regulations.

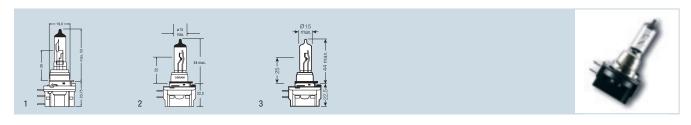
²⁾ New development for simple lamp replacement and highly efficient headlights; supplied on request.

Dual-coil BILUX® headlight lamps with SAE approval



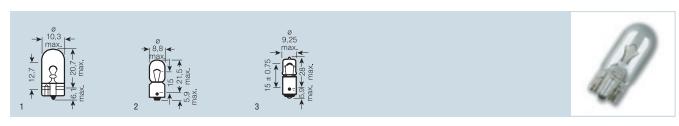
Product reference	Product number	ECE	V	W		4	No.
64176 ¹⁾	4008321 218414	H15	12	15/55	PGJ23t-1	100	1
9003L 1)	4050300 308975	HB2	12	60/55	P43t	100	2
9004	4050300 239866		12	65/45	P29t	200	3
9007	4050300 148816		12	65/55	PX29t	200	4
9008 1)	4008321 939401	H13	12	60/55	P26.4t	10	5

OSRAM SNAPINLITE® lamps for new headlight systems



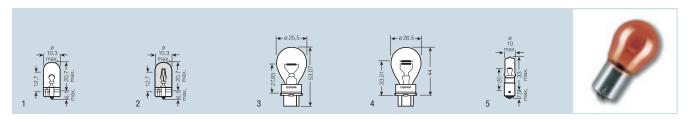
Product reference	Product number	ECE	V	W		7	No.
64176 1)	4008321 218414	H15	12	15/55	PGJ23t-1	100	1
64241 ¹⁾	4008321 054654	H11B ²⁾	12	55	PGJY19-2	100	2
64242 1)	4008321 055422	H8B 2)	12	35	PGJY19-1	100	2
64243 ¹⁾	4008321 055477	H9B 2)	12	65	PGJY19-5	100	3

Position and parking lamps

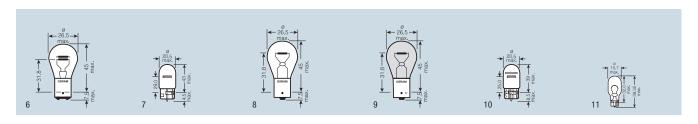


Product reference	Product number	ECE	V	W		a	No.
2825	4050300 838632	W5W	12	5	W2.1x9.5d	50	1
3893	4050300 838489	T4W	12	4	BA9s	50	2
64132	4008321 094896	H6W	12	6	BAX9s	50	3

Indicators, brake, fog and reversing lamps

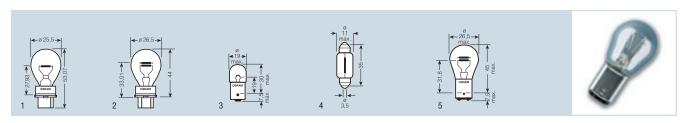


Product reference	Product number	ECE	V	W		a	No.
2825	4050300 838632	W5W	12	5	W2.1x9.5d	50	1
2827 1)	4050300 891200	WY5W	12	5	W2.1x9.5d	50	2
3156	4008321 090621	P27W	12	27	W2.5x16d	50	3
3157	4008321 090683	P27/7W	12	27/7	W2.5x16q	50	4
64136	4008321 095190	H21W	12	21	BAY9s	50	5
7225	4050300 891514	P21/4W	12	21/4	BAZ15d	50	6
7504 ¹⁾	4008321 165473	WY21W	12	21	WX3x16d	50	7
7505	4008321 090652	W21W	12	21	W3x16d	50	7
7506	4050300 838120	P21W	12	21	BA15s	50	8
7507 ¹⁾	4050300 891477	PY21W	12	21	BAU15s	50	9
7515	4008321 090713	W21/5W	12	21/5	W3x16q	50	10
7528	4050300 838069	P21/5W	12	21/5	BAY15d	50	6
921	4008321 100948	W16W	12	16	W2.1x9.5d	50	11



¹⁾ Amber lamps for clear indicators.

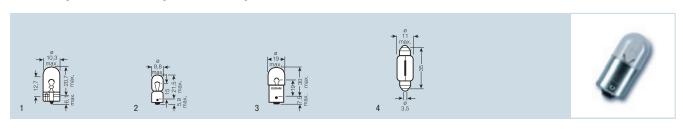
Reversing, brake and fog lamps



Product reference	Product number	ECE	V	W		a	No.
3156	4008321 090621	P27W	12	27	W2.5x16d	50	1
3157	4008321 090683	P27/7W	12	27/7	W2.5x16q	50	2
5007	4050300 838427	R5W	12	5	BA15s	50	3
5008	4050300 838212	R10W	12	10	BA15s	50	3
6418	4050300 838397	C5W	12	5	SV8.5-8	50	4
7225	4050300 891514	P21/4W	12	21/4	BAZ15d	50	5
7506	4050300 838120	P21W	12	21	BA15s	50	6
7515	4008321 090713	W21/5W	12	21/5	W3x16q	50	7
7528	4050300 838069	P21/5W	12	21/5	BAY15d	50	5
921	4008321 100948	W16W	12	16	W2.1x9.5d	50	8

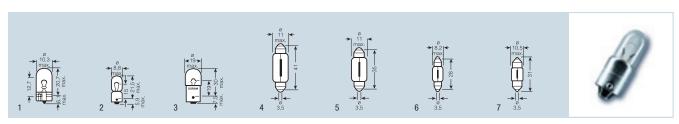


Number plate and side position lamps



Product reference	Product number	ECE	V	W		3	No.
2825	4050300 838632	W5W	12	5	W2.1x9.5d	50	1
3893	4050300 838489	T4W	12	4	BA9s	50	2
5007	4050300 838427	R5W	12	5	BA15s	50	3
5008	4050300 838212	R10W	12	10	BA15s	50	3
6418	4050300 838397	C5W	12	5	SV8.5-8	50	4

Interior lighting and reading lamps



Product reference	Product number	ECE	V	W		6	No.
2825	4050300 838632	W5W	12	5	W2.1x9.5d	50	1
3860	4008321 095756		12	5	BA9s	50	2
3893	4050300 838489	T4W	12	4	BA9s	50	2
5007	4050300 838427	R5W	12	5	BA15s	50	3
5008	4050300 838212	R10W	12	10	BA15s	50	3
6411	4050300 891354		12	10	SV8.5-8	50	4
6413	4050300 891439		12	5	SV8.5-8	50	4
6418	4050300 838397	C5W	12	5	SV8.5-8	50	5
6428	4008321 094384		12	3	SV7-8	50	6
6438	4008321 094353		12	10	SV8.5-8	50	7
6461	4008321 094261		12	10	SV8.5-8	50	5

MINIXEN® lamps with increased luminous flux for brilliant reading light



MINIWATT® halogen lamps for brilliant white reading light



Product reference	Product number	V	W			No.
64111 ¹⁾	4008321 095015	12	5	BA9s	50	1
64113 ¹⁾	4008321 095046	12	10	BA9s	50	1
64115	4008321 095077	12	20	BA9s	50	1

Instrument lighting and switches



2721 4050300 838 2722 4008321 094		12 12	1.2	W2x4.6d	50	1
2722 4008321 094	เลบเ	10	•			
	1000	12	2	W2x4.6d	50	1
2723 4008321 094	1834 W2,3W	12	2.3	W2x4.6d	50	1
2820 4008321 094	1094	12	2	W2.1x9.5d	50	2
2821 4050300 838	8663 W3W	12	3	W2.1x9.5d	50	2
3860 4008321 095	756	12	5	BA9s	50	3
3893 4050300 838	3489 T4W	12	4	BA9s	50	3

Instrument lighting with holders for use in printed circuit boards



Product reference	Product number	V	W		4	No.
2351MFX6	4008321 096852	12	1.2	BX8.4d	50	1
2352MFX6	4008321 097149	12	2	BX8.4d	50	1
2431MFX6	4008321 298713	12	1.3	BX8.4d	50	1
2452MFX6	4008321 097118	12	1.5	BX8.4d	50	1
2473MFX6	4008321 096821	12	1.12	BX8.4d	50	1
2721MF	4050300 891255	12	1.2	B8.5d	50	2
2721MFX	4008321 297150	12	1.2	BX8.5d	50	2
2722MF	4008321 096791	12	2	B8.5d	50	2
2722MFX	4008321 297181	12	2	BX8.5d	50	2
2723MFX6	4008321 297242	12	2.3	BX8.4d	50	1
2752MF	4008321 096760	12	1.5	B8.5d	50	2
2752MFX	4008321 298782	12	1.5	BX8.5d	50	2

The suffix on the product reference indicates the board thickness:
MFX6: 1.5 mm

MFX6: 1.5 mm
MF: 2.0 mm
MFX: 1.5 mm



OSRAM TRUCKSTAR® Three requirements, one solution.

At night, truck drivers need the best possible light on the road ahead. OSRAM TRUCKSTAR® is far ahead of conventional 24 V lamps, allowing drivers to concentrate on the essential. With its extremely long life and robust construction, it also saves on replacements, downtime and fleet costs.



Twice as bright, more than twice as long.

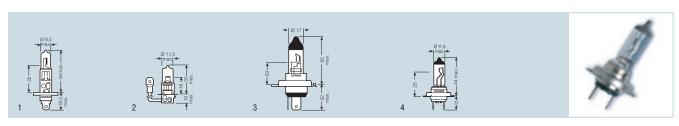
Compared with conventional 24 V lamps, OSRAM TRUCKSTAR® has a distinct advantage thanks to its patented single-coil technology. This technology results in up to 100 % more light on the road ¹¹, making it much easier for truck drivers to concentrate – a massive benefit in terms of road safety. The uniform and up to 40 m longer¹¹ light beam enables dangers to be seen much sooner and gives drivers valuable extra time in which to react. OSRAM TRUCKSTAR® is capable of withstanding strong vibrations, which saves time and money thanks to more than double the life ¹¹.

Robust power packs for enhanced safety.

- Up to 100 % more light on the road ¹⁾ thanks to patented single-coil technology (SC)
- More than 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
- Cost/benefit calculator on the OSRAM homepage, www.osram.com/truckstar-tool
- For drivers looking for heavy-duty/longlife lamps

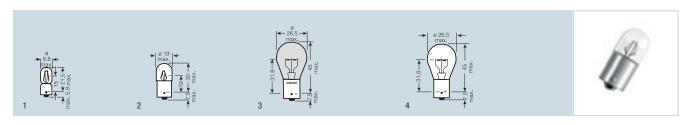
¹⁾ Compared with standard lamps (depending on the headlight system).

OSRAM TRUCKSTAR® – brighter light, better visibility, longer life



Product reference	Product number	ECE	V	W		a	No.
64155LTS	4008321 004093	H1	24	70	P14.5s	100	1
64156LTS	4008321 004123	H3	24	70	PK22s	100	2
64196LTS	4008321 133571	H4	24	75/70	P43t	100	3
64215LTS	4008321 004246	H7	24	70	PX26d	100	4

OSRAM TRUCKSTAR® – robust longlife auxiliary lamps



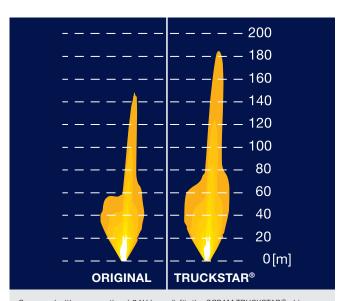
Product reference	Product number	ECE	V	W		4	No.
3930LTS	4008321 130846	T4W	24	4	BA9s	50	1
5627LTS	4008321 130877	R5W	24	5	BA15s	50	2
5637LTS	4008321 130907	R10W	24	10	BA15s	50	2
7510LTS	4008321 130969	PY21W	24	21	BAU15s	50	3
7511LTS	4008321 130938	P21W	24	21	BA15s	50	4

OSRAM TRUCKSTAR® headlight lamps – brighter light, better visibility, longer life and increased safety.





Innovation made by OSRAM: Thanks to the new and patented single-coil technology (above right), the OSRAM TRUCKSTAR® will last more than twice as long $^\eta$ as lamps with conventional double coils (above left).



Compared with a conventional 24V lamp (left), the OSRAM TRUCKSTAR $^{\otimes}$ shines up to 100% more light $^{1)}$ on the road.

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



OSRAM ORIGINAL LINE 24V A quality concept.

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. The reliable performance of OSRAM ORIGINAL LINE 24V lamps is the first choice for truckers.



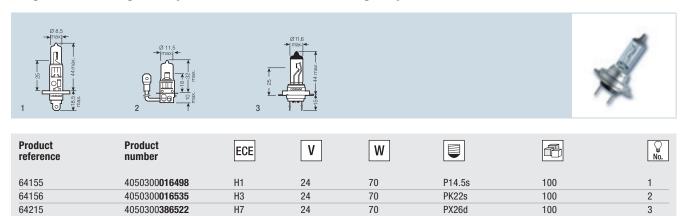
Safe and reliable.

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

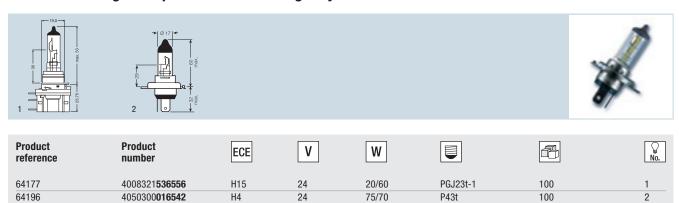
All-round quality.

- OEM quality
- Excellent price-to-performance ratio
- Successfully used in millions of new vehicles from renowned manufacturers
- Impressive brightness and reliability

Single-coil headlight lamps for innovative dual headlight systems



Dual-coil headlight lamps for normal headlight systems



75/70

P43t

100

2

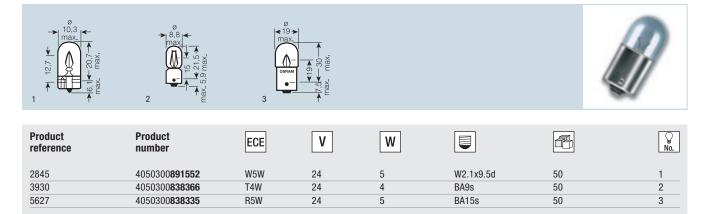
24

Position and parking lamps

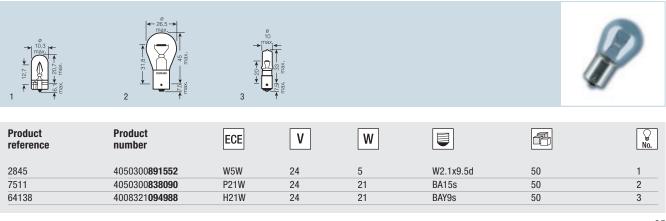
4050300**250632**

H4

94196

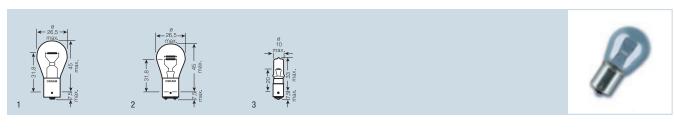


Indicators (flashers)



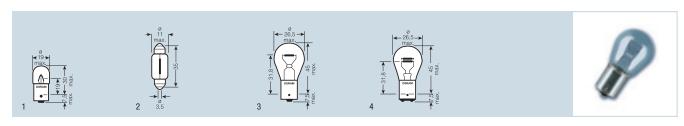
OSRAM ORIGINAL LINE 24V

Indicator, brake, fog and reversing lamps



Product reference	Product number	ECE	V	W		4	No.
7511	4050300 838090	P21W	24	21	BA15s	50	1
7537	4050300 838038	P21/5W	24	21/5	BAY15d	50	2
64138	4008321 094988	H21W	24	21	BAY9s	50	3

Reversing, brake and fog lamps



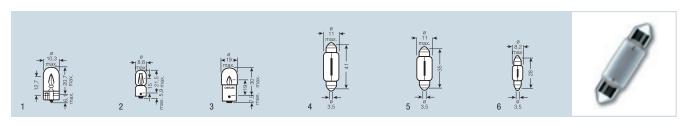
Product reference	Product number	ECE	V	W			No.
5627	4050300 838335	R5W	24	5	BA15s	50	1
5637	4050300 831459	R10W	24	10	BA15s	50	1
6423	4050300 831435	C5W	24	5	SV8.5-8	50	2
7511	4050300 838090	P21W	24	21	BA15s	50	3
7537	4050300 838038	P21/5W	24	21/5	BAY15d	50	4

Number plate and side position lamps



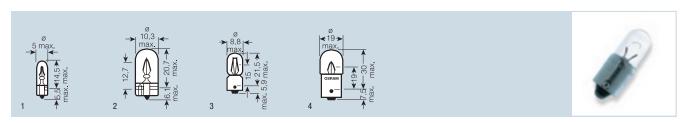
Product reference	Product number	ECE	V	W			No.
5627	4050300 838335	R5W	24	5	BA15s	50	1
5637	4050300 831459	R10W	24	10	BA15s	50	1
6423	4050300 831435	C5W	24	5	SV8.5-8	50	2

Interior lighting and reading lamps



Product reference	Product number	ECE	V	W		4	No.
2840	4008321 094698		24	2	W2.1x9.5d	50	1
3930	4050300 838366	T4W	24	4	BA9s	50	2
5627	4050300 838335	R5W	24	5	BA15s	50	3
5637	4050300 831459	R10W	24	10	BA15s	50	3
6421	4008321 090768		24	3	SV8.5-8	50	4
6423	4050300 831435	C5W	24	5	SV8.5-8	50	5
6424	4050300 891712		24	5	SV8.5-8	50	4
6429	4008321 090836		24	10	SV8.5-8	50	4
6430	4008321 094414		24	3	SV7-8	50	6

Instrument lighting and switches



Product reference	Product number	ECE	V	W		6	No.
2741	4050300 838519		24	1.2	W2x4.6d	50	1
2840	4008321 094698		24	2	W2.1x9.5d	50	2
2841	4008321 094728	W3W	24	3	W2.1x9.5d	50	2
2845	4050300 891552	W5W	24	5	W2.1x9.5d	50	2
3930	4050300 838366	T4W	24	4	BA9s	50	3
5627	4050300 838335	R5W	24	5	BA15s	50	4
5637	4050300 831459	R10W	24	10	BA15s	50	4

Instrument lighting with holders for use in printed circuit boards



Product reference	Product number	V	W		4	No.
2741MF	4050300 891606	24	1.2	B8.5d	50	1
2741MFX	4008321 297211	24	1.2	BX8.5d	50	1

The suffix on the product reference indicates the board thickness:
MF: 2.0 mm
MFX: 1.5 mm



OSRAM SPECIAL OFF-ROAD LAMPS Versatility from OSRAM.

Rally and HYPER lamps from OSRAM are ideal when the going gets tough. Even away from public roads, OSRAM can offer solutions for the most unusual requirements.



OSRAM special OFF-ROAD lamps.

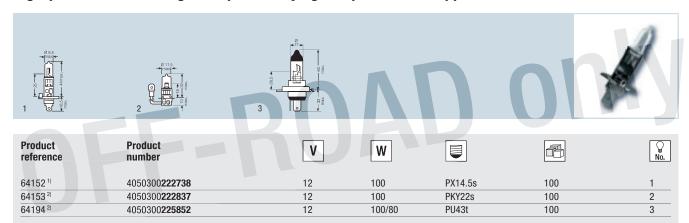
Stay flexible away from public roads. Rally lamps ¹⁾ from OSRAM offer excellent reliability and brightness even on the most difficult terrain. For design-conscious OFF-ROAD drivers, OSRAM offers the 5,000 K COOL BLUE® HYPER lamps. These lamps are not approved for use on public roads however. Use on public roads leads to cancellation of the operating license and to loss of insurance coverage ¹⁾. To make OFF-ROAD vehicles more versatile, OSRAM offers the NIGHT BREAKER® PLUS family of lamps or COOL BLUE® for bluish lamps as approved high-brightness alternatives.

High-performance halogen headlight lamps 1) and their alternatives.

- Wide range of applications: rescue services, construction and transport work, agriculture and forestry
- For the design-conscious OFF-ROAD driver
- Not approved for use on public roads
- Approved alternatives: NIGHT BREAKER® PLUS and COOL BLUE® families of lamps in the 12 V sector and OSRAM TRUCKSTAR® in the 24 V sector

¹⁾ These products 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. I OFF-ROAD only. I Not for use on public roads.

High-performance headlight lamps for rallying and professional applications 3)



High-performance halogen headlight lamps for rallying and professional applications 3)

24

12

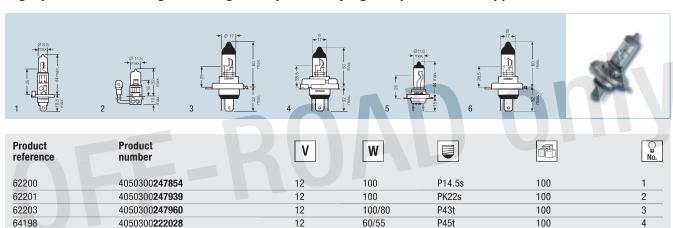
12

12

12

12

12



75/70

65

100/80

100/80

80/85

100/80

100

P45t

P45t

P43t

P43t

PX14.5s

PU43t

PX26d

100

100

100

100

100

100

100

4

4

5

3

3

1

6

OSRAM COOL BLUE® HYPER 3)

64199

64203

64217

62203ALL

64206ALL

641521)

64194 2)

4050300**219899**

4050300**239446**

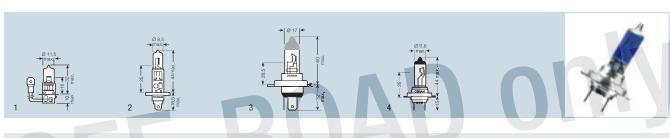
4050300**524399**

4050300**528625**

4050300**453644**

4050300222738

4050300**225852**



Product reference	Product number	V	W		3	No.
62151CBH	4008321 580511	12	70	PK22s	20	1
62150CBH	4008321 276568	12	55	P14.5s	20	2
62193CBH	4008321 276582	12	60/55	P43t	20	3
62210CBH	4008321 276629	12	55	PX26d	20	4

^{1) 2600} lm | Generally on normal roads.

²⁾ Generally on normal roads.

³⁾ These products 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. I OFF-ROAD only. I Not for use on public roads.

Mobile lamp replacement: the spare lamp kit from OSRAM.

Defects on an automobile usually make themselves known on long journeys. The OSRAM spare lamp kit saves you the trouble of searching for a suitable workshop or retail outlet to purchase replacement lamps. It is like a first aid box for the automobile lights. You can therefore easily fix the problem yourself.



Always the right lamp at hand.

Safety is an absolute priority on the roads. The lights on a vehicle 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. With a spare lamp kit from OSRAM, you will always have the right lamps 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 MINIBOX has an ergonomic shape and exclusive design. It contains an assortment of lamps but is compact enough to be transported on a motorcycle for example.

Spare lamps – compulsory in many countries*: Compulsory:

- Macedonia
- Montenegro
- Serbia
- Spain

Compulsory, except for xenon light and LEDs:

• Croatia • Russia

Recommended:

- France
- Norway
- Portugal
- Slovenia
- Czech Republic Hungary

Perfectly equipped for people on the move.

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

^{*} Source: ADAC 03/2010





MINIBOX

	re lamp kit for cars a ortant lamps plus thr	nd motorcycles contains the same set of the five ree 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

			Product no. (EAN)
	contains one H4 h	eadlight lamp as well as the five lamps and	4050300 873398
64193	H4	Main halogen headlight lamp	
	s listed above	eadlight lamp as well as the five lamps and Main halogen headlight lamp	4050300 876375
The H1 kit	contains one H1 h	eadlight lamp as well as the five lamps and	4050300 875217



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.

	pare lamp kit cont tant lamps plus th	nins two sets of the six ee fuses:
7511	P21W	Brake and taillight
7510LTS	PY21W	Indicator light, orange
7537	P21/5W	Brake/taillight
5627	R5W	Taillight and number plate light
5637	R10W	Parking light
3930	T4W	Park and position light
		Fuses 15 A, 20 A, 30 A

			Product no. (EAN)
		ontains two H7 headlight lamps as well as the	4000001 F0000
two sets of a	iuxiliary lamps a	and flat fuses listed above	4008321 583239
64215LTS	H7	Main halogen headlight lamp	
		headlight lamps as well as the	
two sets of a	auxiliary lamps a	and flat fuses listed above	4008321 583215
64215	H7	Main halogen headlight lamp	
The H4 Box	contains two H 4	I headlight lamps as well as the	
two sets of a	auxiliary lamps a	and flat fuses listed above	4008321 583192
64196	H4	Main halogen headlight lamp	



Shelf rack – for the high-volume specialists.

- With drawers and labels
- Row of hooks for presenting blister packs, DUO BOXES, new products
- Ideal for workshops and filling stations, practical for everyday use
- High-quality material and eye-catching design, ideal OSRAM in-store placement





Ready for the best: the automotive lamp cabinet (ALC) from OSRAM can be individually stocked.

Suggested stock 12V

Product reference	Reference S	Stocking options No. of lamps
Chute system		
64150	H1	6/13
64150NBP	H1 NIGHT BREAKER® PLUS	6/13
64150ULT	H1 ULTRA LIFE	6/1:
64151	Н3	6/1
64193	H4 BILUX®	8/1
64193NBP	H4 BILUX® NIGHT BREAKER® PLUS	8/9
64193ULT	H4 BILUX® ULTRA LIFE	8/9
64210	H7	13/
64210NBP	H7 NIGHT BREAKER® PLUS	13/3
64210ULT	H7 ULTRA LIFE	13/8
64183 ¹⁾	BILUX® AS® HALOROAD® R2	
7507	PY21W	1
7506	P21W	2
7507LDA	PY21W DIADEM®	
7528	P21/5W	1
7528ULT	P21/5W ULTRA LIFE	1
7225	P21/4W	1
5007	R5W	2
5007ULT	R5W ULTRA LIFE	1
5008	R10W	2
	R10W ULTRA LIFE	1
5008ULT	0=144	
6418	C5W	<u>.</u>
6418 6418ULT	C5W ULTRA LIFE	1
6418 6418ULT 6411	C5W ULTRA LIFE Soffit 10W	1
6418 6418ULT 6411 2825	C5W ULTRA LIFE Soffit 10 W W5W	1 1 1
6418 6418ULT 6411 2825 2825ULT	C5W ULTRA LIFE Soffit 10W W5W W5W ULTRA LIFE	1 1 1 1
6418 6418ULT 6411 2825 2825ULT 2827	C5W ULTRA LIFE Soffit 10W W5W W5W ULTRA LIFE WY5W	1 1 1 1 1
6418 6418ULT 6411 2825 2825ULT 2827 3893	C5W ULTRA LIFE Soffit 10W W5W W5W ULTRA LIFE WY5W T4W	1 1 1 1 1 1 2
6418 6418ULT 6411 2825 2825ULT 2827	C5W ULTRA LIFE Soffit 10W W5W W5W ULTRA LIFE WY5W	1 1 1 1 1

Suggested stock 24V

Product reference	Reference	No. of lamps
Chute system		
64155	H1	13
64155LTS	H1 OSRAM TRUCKSTAR®	13
64156	Н3	13
64156LTS	H3 OSRAM TRUCKSTAR®	13
64196	H4 BILUX®	16
64196LTS	H4 BILUX® OSRAM TRUCKSTAR®	12
64215	H7	8
64215LTS	H7 OSRAM TRUCKSTAR®	16
Internal doors		
Internal doors		
7511	P21W	20
7511 7511LTS	P21W OSRAM TRUCKSTAR®	15
7511 7511LTS 7510 ²⁾	P21W OSRAM TRUCKSTAR® PY21W	15 10
7511 7511LTS 7510 ²⁾ 7510LTS	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR®	15 10 10
7511 7511LTS 7510 ²⁾ 7510LTS 7537	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W	15 10 10
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W	15 10 10 10 20
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627 5627LTS	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W R5W OSRAM TRUCKSTAR®	15 10 10 10 20 10
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627 5627LTS 5637	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W R5W OSRAM TRUCKSTAR® R10W	15 10 10 10 20 10
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627 5627LTS 5637 5637LTS	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W R5W R5W OSRAM TRUCKSTAR® R10W R10W OSRAM TRUCKSTAR®	15 10 10 10 20 10 20
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627 5627LTS 5637 5637LTS 6423	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W R5W R5W OSRAM TRUCKSTAR® R10W R10W OSRAM TRUCKSTAR® C5W	15 10 10 10 20 10 20 10
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627 5627LTS 5637 5637LTS 6423 6429	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W R5W R5W OSRAM TRUCKSTAR® R10W R10W OSRAM TRUCKSTAR® C5W Soffit 10W	15 10 10 10 20 10 20 10 20
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627 5627LTS 5637 5637LTS 6423 6429 2841	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W R5W R5W OSRAM TRUCKSTAR® R10W R10W OSRAM TRUCKSTAR® C5W Soffit 10W W3W	15 10 10 10 20 10 20 10 20 10
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627 5627LTS 5637 5637LTS 6423 6429 2841	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W R5W R5W OSRAM TRUCKSTAR® R10W R10W OSRAM TRUCKSTAR® C5W Soffit 10W W3W W5W	15 10 10 10 20 10 20 10 20 10
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627 5627LTS 5637 5637LTS 6423 6429 2841 2845 3930	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W R5W R5W OSRAM TRUCKSTAR® R10W R10W OSRAM TRUCKSTAR® C5W Soffit 10W W3W W5W T4W	15 10 10 10 20 10 20 10 20 10 20
7511 7511LTS 7510 ²⁾ 7510LTS 7537 5627 5627LTS 5637 5637LTS 6423 6429 2841	P21W OSRAM TRUCKSTAR® PY21W PY21W OSRAM TRUCKSTAR® P21/5W R5W R5W R5W OSRAM TRUCKSTAR® R10W R10W OSRAM TRUCKSTAR® C5W Soffit 10W W3W W5W	15 10 10 10 20 10 20 10 20 10

Product reference	Product number Consumer unit	Content	Dimensions (W x H x D)	Product number Shipping unit	7
MINIWATT® 12 V	assortment box				
509961	4008321 082169	180 pieces	240 x 43 x 190 mm	4008321 082176	3
MINIWATT® 24 V	assortment box				
509962	4008321 082183	100 pieces	175 x 33 x 140 mm	4008321 082190	3



¹⁾ Alternative to 7951 in halogen technology.

²⁾ Amber lamps for clear indicators.



OSRAM – a partner for retailers.

For consumers, the name of OSRAM has always stood for expertise in automotive lighting combined with an innovative range of lamps. OSRAM also supports retailers with effective marketing strategies and excellent sales logistics. Business partners therefore have the perfect basis for increasing their sales and customer satisfaction.

A unified approach.

As part of its holistic approach to marketing, OSRAM provides the trade sector, shops and workshops with a large number of tools to ensure the best possible support, attractive presentation and greater incentive to purchase. In addition, OSRAM makes use of continuous advertising campaigns, radio advertising and e-marketing activities in the end customer advertising sector.



OSRAM self-service range.

The new packaging for the self-service range is not only stylish, it is also consumer-friendly, informative and eco-friendly. Language-neutral pictograms provide consumers with information on product characteristics that is easy to understand.

Displays and secondary placement.

Customers can find precisely what they want here. The impressive, high-quality displays and secondary placements present products in a clear way with clear information. The counter displays take up little space but are eye-catching and practical. The floor display provides space for a wide range of products.

Perfect product presentation.

Your requirements in the sales room are as unique as our solutions. The "beamer rack" for example is an impressive way of showing customers the difference between OSRAM NIGHT BREAKER® PLUS, OSRAM COOL BLUE® and OSRAM ORIGINAL. There are also informative decoration materials such as wobblers and shelf stoppers that immediately catch the eye.

Automotive lamp cabinet and application list.

The automotive lamp cabinet from OSRAM is a practical lamp depot for retail outlets, filling stations and workshops. It can be stocked to suit its location. OSRAM provides an application list for workshops so the right lamps can be selected for each vehicle.



Individually tailored.

To give trade partners an opportunity to raise their profiles among workshops, OSRAM runs individual campaigns that address specific customer needs. OSRAM also supports its partners with end consumer activities and exclusive product campaigns. In this regard, OSRAM participates as the official partner in the nationwide German "Light Test" campaign run by the German Association for Motor Trades and Repairs.

A love of detail.

Additionally, OSRAM makes all article data available for electronic ordering under TecCom and TecDoc. We can set

up classic EDI networks on request. 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. Contact OSRAM for further information.

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.



Impulse buying in a very small space.

With these attractive displays, you can present top quality compactly, clearly and effectively. After all, customers buy with their eyes.





OSRAM acrylic displays

They can be stocked with blister packs, DUO

BOXES or MINIBOXES - perfect on any counter.

Very high visual quality.



OSRAM strip hanger A clear winner. The strip hangers

are ideal where traffic is heaviest.

Format (W x H): 10 x 118 cm.

An eye-catcher for added value.

Designed to attract attention, providing clear product presentation and practical detailed information – this secondary placement from OSRAM will enhance your retail space.



Perfect product presentation.

We support you with optimum product presentation and information in a highly attractive design. Make use of the wide variety of effective sales aids to breathe new life into your automotive lamp business.



Easy-to-understand product information promotes impulse buying.

OSRAM beamer rack

Experiencing quality live is your best sales argument. The beamer rack provides an impressive comparison of the intensities of OSRAM NIGHT BREAKER® PLUS, OSRAM COOL BLUE® and OSRAM ORIGINAL.

Format (W x H x D): 50 x 172.5 x 61 cm.



Active consumer communication via LCD displays.

Information, advice and entertainment at the point of sale. Combined with the high attention value of modern multimedia technology. Ideal for free-standing secondary placement.

The LCD monitor is available in two versions:

- A compact version for installation in shelving
- An eye-catching version for attaching to a ceiling



LCD monitor for attaching to a ceiling Format (W x H x D): 43.5 x 61 x 4 cm. LCD monitor for installation in shelving Format (W x H x D) 7 inch: 34.5 x 16.5 x 8.5 cm. Format (W x H x D) 10.2 inch: 40 x 30.5 x 14 cm.



Decisions are made at the POS – the full range in focus.

With the *polePOSition®* shelf system, you can present the entire range clearly, efficiently and informatively. Something that everyone will see.

OSRAM Automotive *polePOSition*® – the optimum presentation system: easily accessible, just grab and go. Clear design and precise communication ensure that customers find the information and products they require quickly and easily.

OSRAM polePOSition® AM shelf

Consumer-friendly, greater flexibility and higher profits.

The new OSRAM polePOSition® is a clearly structured, easily accessible and extremely convenient presentation system. It offers optimum customer orientation. Clear design and clear communication ensure that your customers find the information and lamps they require quickly and easily.

Test and buy.

The integrated beamer rack in the center of a shelf enables customers to test OSRAM NIGHT BREAKER® PLUS, OSRAM COOL BLUE® and OSRAM ORIGINAL lamps directly at the POS.

As you like it. Tailor-made shelf system.

Every shop is different and every site follows its own rules. With the OSRAM *polePOSition®* shelf system, OSRAM Automotive offers a professional solution that is highly versatile and can be adapted to suit your particular space requirements.

Ask your OSRAM representative for ordering information.



OSRAM SELF-SERVICE RANGE

OSRAM 12V self-service range

ECE	Product reference	Product number Consumer unit	ECE	Product reference	Product numb Consumer ur
OSRAM X	(ENARC® COOL BLUE® INTENSE DUO BO)X 12 V	OSRAM UL	LTRA LIFE Auxiliary Lamps – I	Double Blister Pack 12 V
D2S	66240CBI-HCB	4008321 588883	P21W	7506ULT-02B	4008321 4151 4
520	002400011100	4000321300003	PY21W	7507ULT-02B	4008321 4151
DED VIVI I	IIGHT BREAKER® PLUS Blister Pack 12	V	P21/5W	7528ULT-02B	4008321 4152 8
			R5W	5007ULT-02B	4008321 4152 0
11	64150NBP-01B	4008321 546463	R10W	5008ULT-02B	4008321 4152 2
13	64151NBP-01B	4008321 546425	W5W	2825ULT-02B	4008321 4151 8
14	64193NBP-01B	4008321 550750	C5W	6418ULT-02B	4008321 4152
17	64210NBP-01B	4008321 548276			
111	64211NBP-01B	4008321 546487	OSRAM SI	LVERSTAR® Blister Pack 12 V	
SRAM N	IIGHT BREAKER® PLUS Double Blister I	Pack 12 V	H1	64150SVS-01B	4050300 6483
			H4	64193SVS-01B	4050300 6476
11	64150NBP-02B	4008321 546449	H7	64210SVS-01B	4050300 6476
14 17	64193NBP-02B 64210NBP-02B	4008321 550774			
.1	0421UNDF-02B	4008321 548252	OSRAM SI	LVERSTAR® Double Blister Pa	ck 12 V
SRAM N	IIGHT BREAKER® PLUS DUO BOXES 12	I	H1	64150SVS-02B	4008321 3226
1	64150NBP-HCB	4008321 544582	H4	64193SVS-02B	4008321 3228
14	64193NBP-HCB	4008321 550798	H7	64210SVS-02B	4008321 3231
1 4 17	64210NBP-HCB	4008321 548290			
.,	O-FETONDI TIOD	4000021040230	OSRAM SI	LVERSTAR® DUO BOXES 12 V	
SRAM C	OOL BLUE® Blister Pack 12 V		H1	64150SVS-HCB	4008321 1446
1	64150CB-01B	4050300 925325	H4	64193SVS-HCB	4008321 1447
14	64193CB-01B	4050300 925189	H7	64210SVS-HCB	4008321 1447
7	64210CB-01B	4050300 925240			
			OSRAM NI	GHT RACER® Double Blister P	ack 12 V
OSRAM C	COOL BLUE® Double Blister Pack 12 V		H4	64193NR-02B	4008321 395 6
l1	64150CB-02B	4008321 326188	H7	64210NR-02B	4008321 395 6
14	64193CB-02B	4008321 322869			
17	64210CB-02B	4008321 323217	OSRAM X-	·RACER® Double Blister Pack	12 V
			H4	64193XR-02B	4008321 3957
OSRAM C	COOL BLUE® DUO BOXES 12 V		H7	64210XR-02B	4008321 395 6
11	64150CB-HCB	4008321 144775			
14	64193CB-HCB	4008321 144799	OSRAM OF	RIGINAL Headlight Lamp Blist	er Pack 12 V
17	64210CB-HCB	4008321 144812	H1	64150-01B UV	4050300 9252
			H3	64151-01B UV	4050300 9253
SRAM C	OOL BLUE® Auxiliary Lamps – Double	Blister Pack 12 V	H4	64193-01B 60	4050300 9251
	•		H7	64210-01B 55	4050300 9252
4W	3893CB-02B	4050300 925660	H11	64211-01B 55	4008321 1712
V5W V5W	2825HCB-02B1	4050300 925707 4050300 925721	HB3	9005-01B 60W	4008321 1712
6W	2825CB-02B 64132CB-02B	4050300 925721	HB4	9006-01B 51W	4008321 1712
OVV	0413200-020	4030300 923020	R2	64183-01B 45	4050300 925 4
SRAM U	ILTRA LIFE Blister Pack 12 V		OCDAM OF	DICINAL Auviliary Lamps — De	nuble Plieter Pack 12 V
11	64150ULT-01B	4008321 416100		RIGINAL Auxiliary Lamps – Do	
14	64193ULT-01B	4008321 416124	P21W	7506-02B	4050300 925 4
_	64210ULT-01B	4008321 416087	PY21W P21/5W	7507-02B 7528-02B	4050300 925 4 4050300 925 5
1/			P21/3W P21/4W	7225-02B	4050300 9255
7			R5W	5007-02B	4050300 925 5
	ILTRA LIFE Double Blister Pack 12 V		TIOW		4050300 925 6
SRAM U		4008321 416315	R10W	5008-02B	
SRAM U	64150ULT-02B	4008321 416315 4008321 416339	R10W C5W	5008-02B 6418-02B	
SRAM U 1 4	64150ULT-02B 64193ULT-02B	4008321 416339	C5W	6418-02B	4050300 925 6
SRAM U 1 4 6W	64150ULT-02B 64193ULT-02B 64132ULT-02B			6418-02B 6411-02B	4050300 925 6 4050300 925 6
SRAM U 1 4 6W	64150ULT-02B 64193ULT-02B	4008321 416339 4008321 415325	C5W C10W T4W	6418-02B 6411-02B 3893-02B	4050300 9256 4050300 9256 4050300 6476
9 SRAM U 1 4 6W 7	64150ULT-02B 64193ULT-02B 64132ULT-02B 64210ULT-02B	4008321 416339 4008321 415325	C5W C10W	6418-02B 6411-02B	4050300 9256 4050300 9256 4050300 6476 4050300 9256
OSRAM U 11 14 16W 17	64150ULT-02B 64193ULT-02B 64132ULT-02B 64210ULT-02B	4008321 416339 4008321 415325 4008321 416292	C5W C10W T4W W5W	6418-02B 6411-02B 3893-02B 2825-02B	4050300 9256 4050300 9256 4050300 6476 4050300 9256 4050300 9257
DSRAM U 11 14 16W 17 DSRAM U	64150ULT-02B 64193ULT-02B 64132ULT-02B 64210ULT-02B ULTRA LIFE DUO BOXES 12 V 64150ULT-HCB	4008321 416339 4008321 415325 4008321 416292 4008321 416162	C5W C10W T4W W5W W3W	6418-02B 6411-02B 3893-02B 2825-02B 2821-02B	4050300 925 6 4050300 925 6 4050300 647 6 4050300 925 6 4050300 925 7 4050300 925 7
11 14 16W 17	64150ULT-02B 64193ULT-02B 64132ULT-02B 64210ULT-02B	4008321 416339 4008321 415325 4008321 416292	C5W C10W T4W W5W W3W	6418-02B 6411-02B 3893-02B 2825-02B 2821-02B 2721-02B	4050300 925 6 4050300 925 6 4050300 647 6 4050300 925 6 4050300 925 7 4050300 925 7

OSRAM 24V self-service range

ECE	Product reference	Product number Consumer unit
OSRAM TE	RUCKSTAR® Headlight Lamp I	Blister Pack 24 V
H1	64155LTS-01B	4008321 142283
H3	64156LTS-01B	4008321 142337
H4	64196LTS-01B	4008321 155542
H7	64215LTS-01B	4008321 141989
OSRAM TE	RUCKSTAR® Headlight Lamp I	DUO BOXES 24 V
H1	64155LTS-HCB	4008321 161079
H3	64156LTS-HCB	4008321 004529
H4	64196LTS-HCB	4008321 161277
H7	64215LTS-HCB	4008321 16125 3
OSRAM TE	RUCKSTAR® Auxiliary Lamps	– Double Blister Pack 24 V
R5W	5627LTS-02B	4008321 174017
R10W	5637LTS-02B	4008321 174031
P21W	7511LTS-02B	4008321 17397 3
PY21W	7510LTS-02B	4008321 173997
T4W	3930LTS-02B	4008321 17405 5
OSRAM ST	「ANDARD Headlight Lamp Bli	ster Pack 24 V
H1	64155-01B	4008321 14229 0
H3	64156-01B	4050300 565828
H4	64196-01B	4008321 142849
H7	64215-01B	4008321 141972
OSRAM ST	TANDARD Auxiliary Lamps –	Blister Pack 24 V
P21W	7511-02B	4050300 925929
P21/5W	7537-02B	4050300 925943
R5W	5627-02B	4050300 925967
R10W	5637-02B	4050300 92604 9
C5W	6423-02B	4050300 925981
C5W T4W	6423-02B 3930-02B	4050300 925981 4050300 926001
	* :=* *==	4050300 925981 4050300 926001 4008321 139962

Spare lamp kits for cars and trucks

H1	CLKM H1	4050300 87521
H4	CLKM H4	4050300 87339
H7	CLKMH7	4050300 87637
Spare L	amp Kits for Trucks and Buses	24 V
•	amp Kits for Trucks and Buses	
Spare La	amp Kits for Trucks and Buses (CLK H7LTS 24V CLK H7 24V	24 V 4008321 58323 4008321 58321

Self-service range for Special OFF-ROAD LAMPS 1)

H1	62200-01B	4008321 33623
H4	62203-01B	4008321 18573
H7	64217-01B	4008321 33625
OSRAM	HYPER 1)	
	HYPER ¹⁾ 62151CBH-HCB	4008321 27657
H1		
OSRAM H1 H3 H4	62151CBH-HCB	4008321 27657 4008321 5805 2 4008321 27659

POS secondary placement

name	Product reference	Product number
OSRAM Floor Displays		
NIGHT BREAKER® PLUS floor display DUO BOX 40x H7, 32xH4, 8xH1 DUO BOX	510159	4008321 578457
NIGHT BREAKER® PLUS floor display blister pack 72xH7, 32xH4	510158	4008321 578440
NIGHT RACER®/X-RACER® blister pack	510131	4008321 953247
MINIBOX	510111	4008321 34198 3
OSRAM Acrylic Displays		
NIGHT BREAKER® PLUS acrylic display DUO BOX	510156	4008321 57843 3
ULTRA LIFE - DUO BOX (with four hooks)	510133	4008321 95364 3
ULTRA LIFE double blister pack (with four hooks)	510134	4008321 95328 5
NIGHT RACER®	510128	4008321 95326 1
MINIBOX (with four hooks)	510115	4008321 94035 3
MINIBOX (demo display)	PRES ALB	auf Anfrage
OSRAM Counter Displays		
NIGHT BREAKER® PLUS counter display	510157	4008321 57590 6
SILVERSTAR®	510034	4008321 91347 0
ULTRA LIFE	510032	4008321 953292
COOL BLUE®	510036	4008321 91348 7
OSRAM Strip Hanger		
NIGHT BREAKER® PLUS H4 strip hanger	510154	4008321 57842 6
NIGHT BREAKER® PLUS H7 strip hanger	510155	4008321 57589 0
	510129	4008321 95327 8
NIGHT RACER®		
NIGHT RACER® MINIBOX	510135	4008321 41146 4
	510135	4008321 41146 4
MINIBOX OSRAM Light Performance Box Version automotive light	510135	
MINIBOX OSRAM Light Performance Box		
OSRAM Light Performance Box Version automotive light (supplied without stand) Version motorcycle light (supplied without stand)		on reques
OSRAM Light Performance Box Version automotive light (supplied without stand) Version motorcycle light	-/-	on reques
OSRAM Light Performance Box Version automotive light (supplied without stand) Version motorcycle light (supplied without stand)	-/-	on reques
OSRAM Light Performance Box Version automotive light (supplied without stand) Version motorcycle light (supplied without stand) Stand for free-standing installation	-/-	on reques on reques on reques
OSRAM Light Performance Box Version automotive light (supplied without stand) Version motorcycle light (supplied without stand) Stand for free-standing installation OSRAM LCD Displays	-/- -/- -/-	on reques on reques on reques on reques
MINIBOX OSRAM Light Performance Box Version automotive light (supplied without stand) Version motorcycle light (supplied without stand) Stand for free-standing installation OSRAM LCD Displays LCD monitor, large, for installation in shelving	-/- -/- -/-	on reques on reques on reques on reques on reques
MINIBOX OSRAM Light Performance Box Version automotive light (supplied without stand) Version motorcycle light (supplied without stand) Stand for free-standing installation OSRAM LCD Displays LCD monitor, large, for installation in shelving LCD monitor, small, for installation in shelving	-/- -/- -/-	on reques

These products 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. I OFF-ROAD only. I Not for use on public roads.

Whether it's a blister pack, a double blister pack or a DUO BOX, the strong appearance of the new OSRAM designs has a twofold effect: eye-catching from a distance and persuasive information when seen up close.

Prominent brand placement.

The picture logo.

One of the oldest trademarks in Germany stands for premium quality.

The hand.

The orange band – as a seal of quality, it is placed prominently at the top of the packaging. It indicates the brand promise and ensures instant recognition.



Ordering by EAN code.

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



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

How many lamps do you order with the product number?



Product number (consumer unit) corresponds to 1 folded box with 1 lamp



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



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



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

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 standardizing the units of measurement.

The most important of these are described here.

Luminous flux Φ . Unit of measurement: Lumen [Im]. 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 k_m .

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.

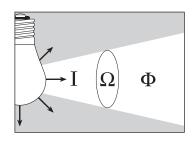
An illuminance of 1 lx occurs when a luminous flux of 1 lm is evenly distributed over an area of $1 \, \text{m}^2$.

Luminance L. Unit of measurement: candela per square meter [cd/m²].

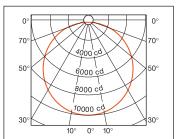
The luminance L of a light source or an illuminated area is a measure of the impression of brightness.

Light and radiation.

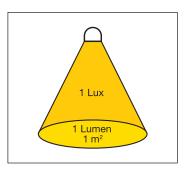
Light is taken to mean the electromagnetic radiation that the human eye perceives as brightness, in other words that part of the spectrum that can be seen. This is the radiation between 360 and 830 nm, a tiny fraction of the known spectrum of electromagnetic radiation.



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

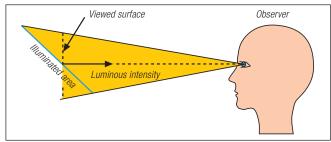


Polar diagram.



 ${\it Illuminance}~E.$

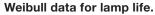
Luminance L.



Luminous efficacy η .

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

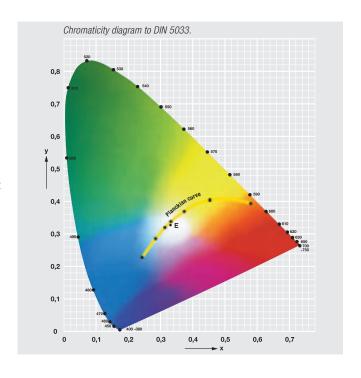
Color temperature. Unit of measurement: Kelvin [K]. The color temperature of a light source is defined in comparison with a "black body radiator" and plotted on what is known as the "Planckian curve". The higher the temperature of this "black body radiator", the greater the blue component in the spectrum and the smaller the red component. An incandescent lamp with a warm white light, for example, has a color temperature of 2,700 K, whereas a daylight fluorescent lamp has a color temperature of 6,000 K.

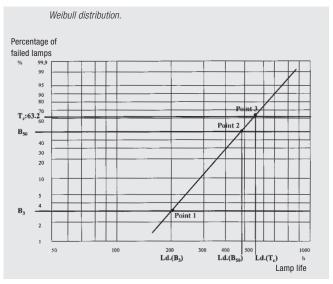


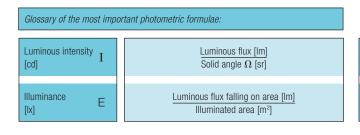
Weibull distribution has become established as the standard method for analyzing the life of technical products. Endurance tests on products without technical faults produce failure curves which represent the proportion of products that fail in the course of use. Because of their special properties, these curves can be normalized for the purpose of comparison. This involves approximating the distributions to a straight line. To show this, a special coordinate system is needed (named after Dr. E. H. Wallodi Weibull, 1887 to 1979).

Service life distribution can now be accurately defined by specifying two points on the straight line, without having to refer to a failure curve. In accordance with IEC 810, the following failure rates have been defined as standard failure rates: The B_3 life value represents the premature failure rate of lamps. It means that 3 % of all the tested lamps failed after this number of hours burned.

The T_c life value represents the failure rate of 63.2 % of the lamps. B_3 and T_c are of particular interest in industry. The retail trade makes more use of the B_{50} value. This indicates the average life of the lamps (50 %).





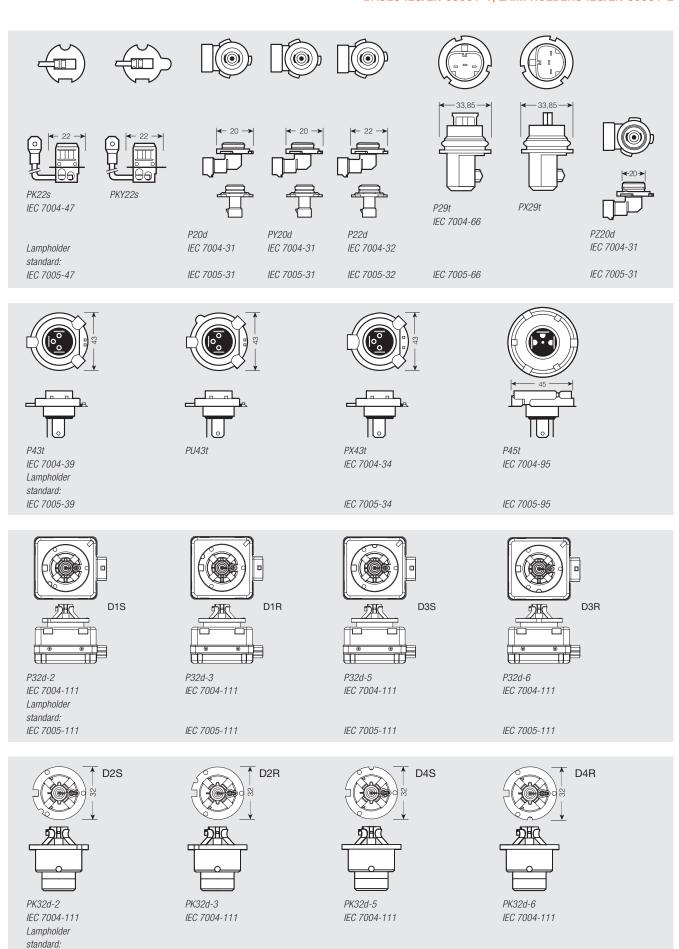


Luminance [cd/m²]	L	_Luminous intensity [cd] Viewed luminous area [m²]
Lum. efficacy [lm/W]	η	Generated luminous flux [lm] Electrical power consumed [W]

BASES IEC/EN 60061-1, LAMPHOLDERS IEC/EN 60061-2



BASES IEC/EN 60061-1, LAMPHOLDERS IEC/EN 60061-2



IEC 7005-111

IEC 7005-111

IEC 7005-111

IEC 7005-111

Type overview by rated voltage.

Rated voltage V	Rated wattage W	Base	Product reference	See page
	35	PK32d-2	66144 1) 10)	11
	35	PK32d-2	66144CBI 1) 10)	9
	35	PK32d-3	66154 ^{2) 10)}	11
	35	PK32d-3	66154CBI 1) 10)	9
	35	P32d-2	66240 ^{1) 10)}	11
	35	P32d-2	66240CBI 1) 10)	9
	35	P32d-3	66250 ^{2) 10)}	11
	35	P32d-3	66250CBI 2) 10)	9
	35	PK32d-5	66340 1) 10)	11
	35	PK32d-6	66350 ^{2) 10)}	11
	35	P32d-5	66440 1) 10)	11
	35	P32d-6	66450 ^{2) 10)}	11
12	1.12	BX8.4d	2473MFX6	31
12	1.2	BX8.4d	2351MFX6	31
12	1.2	W2x4.6d	2721	31
12	1.2	B8.5d	2721MF	31
12	1.2	BX8.5d	2721MFX	31
12	1.3	BX8.4d	2431MFX6	31
12	1.5	BX8.4d	2452MFX6	31
12	1.5	B8.5d	2752MF	31
12	1.5	BX8.5d	2752MFX	31
12	2	BX8.4d	2352MFX6	31
12	2	W2x4.6d	2722	31
12	2	B8.5d	2722MF	31
12	2	BX8.5d	2722MFX	31
12	2	W2.1x9.5d	2820	31
12	2.3	W2x4.6d	2723	31
12	2.3	BX8.4d	2723MFX6	31
12	3	W2.1x9.5d	2821	31
12	3	SV7-8	6428	30
12	4	BA9s	3893	28, 29, 30, 31
12	5	W2.1x9.5d	2825	28, 29, 30
12	5	BA9s	3860	30, 31
12	5	BA15s	5007	29, 30
12	5	BA15s	5007ULT	19
12	5	SV8.5-8	6413	30
12	5	SV8.5-8	6418	29, 30
12	5	W2.1x9.5d	2825CB	17
12	5	W2.1x9.5d	2825HCB	17
12	5	W2.1x9.5d	2825ULT	19
12	5	W2.1x9.5d	2827 ³⁾	28
12	5	BA9s	64111 ⁴⁾	30
12	5	SV8.5-8	6418ULT	19
12	6	W2.1x9.5d	2886X	30
12	6	BAX9s	64132	28
12	6	BAX9s	64132CB	17
12	6	BAX9s	64132ULT	19
12	10	BA15s	5008	29, 30

Rated voltage V	Rated wattage W	Base	Product reference	See page
12	10	BA15s	5008ULT	19
12	10	SV8.5-8	6411	30
12	10	SV8.5-8	6438	30
12	10	SV8.5-8	6461	30
12	10	BA9s	64113 ⁴⁾	30
12	15/55	PGJ23t-1	64176 ⁵⁾	25, 27
12	16	W2.1x9.5d	921	28, 29
12	20	BA9s	64115	30
12	21	WX3x16d	7504 ³⁾	28
12	21	W3x16d	7505	28
12	21	BA15s	7506	28, 29
12	21	BA15s	7506ULT	19
12	21	BAU15s	7507 ³⁾	28
12	21	BAU15s	7507LDA 3)	17
12	21	BAU15s	7507ULT ³⁾	19
12	21	BAW15s	7508LDR ⁶⁾	17
12	21	BAY9s	64136	28
12	21/4	BAZ15d	7225	28, 29
12	21/5	W3x16q	7515	28, 29
12	21/5	BAY15d	7528	28. 29
12	21/5	BAY15d	7528ULT	19
12	21/5	BAW15d	7538LDR ⁶⁾	17
12	27	PG13	880	25, 26
12	27	PGJ13	881	25, 26
12	27	W2.5x16d	3156	28, 29
12	27/7	W2.5x16q	3157	28, 29
12	35	PGJ19-1	64212 ^{5) 13)}	25
12	35	PGJY19-1	64242 5) 13)	25, 27
12	35		XENAELECTRON	12
12	35		XT-D1/12V XENAELECTRON	12
12	35		XT5-2-D1/12V BH XENAELECTRON XT5-2-D3/12V BH	12
12	35/35	PX43t	64185	25
12	35/55	PX43t	64185SVS	21
12	42	PY20d	9145 5)	25, 26
12	45/40	P45t	64183 ⁷⁾	25
12	51	P22d	9006CB 8)	17
12	51	P22d	9006L ⁵⁾	25, 26
12	51	P22d	9006XS ⁵⁾	25, 26
12	55	P14.5s	62150CBH ¹⁴⁾	39
12	55	PX26d	62210CBH ¹⁴⁾	39
12	55	P14.5s	64150 ⁵⁾	25
12	55	P14.5s	64150CB ⁵⁾	17
12	55	P14.5s	64150NBP	15
12	55	P14.5s	64150SVS ⁵⁾	21
12	55	P14.5s	64150ULT ⁵⁾	19
12	55	PK22s	64151 ⁵⁾	25
	30	111220	0 1101	

Rated voltage V	Rated wattage W	Base	Product reference	See page
12	55	PK22s	64151CB 5)	17
12	55	PK22s	64151NBP	15
12	55	PX26d	64210 ⁵⁾	25
12	55	PX26d	64210CB 8)	17
12	55	PX26d	64210NBP	15
12	55	PX26d	64210NR-02B	23
12	55	PX26d	64210SVS 8)	21
12	55	PX26d	64210ULT 8)	19
12	55	PX26d	64210XR-02B	23
12	55	PGJ19-2	64211CB	17
12	55	PGJ19-2	64211 ⁵⁾	25
12	55	PGJ19-2	64211NBP	15
12	55	PGJY19-2	64241 ⁵⁾	25, 27
12	60	P20d	9005 5)	25, 26
12	60	P20d	9005CB 5)	17
12	60	P20d	9005XS ⁵⁾	25, 26
12	60/55	P43t	62193CBH 14)	39
12	60/55	P43t	64193	25
12	60/55	P43t	64193CB 9)	17
12	60/55	P43t	64193NBP	15
12	60/55	P43t	64193NR-02B	23
12	60/55	P43t	64193SVS 9)	21
12	60/55	P43t	64193ULT 9)	19
12	60/55	P43t	64193XR-02B	23
12	60/55	P45t	64198 ¹⁴⁾	39
12	60/55	P43t	9003CB 8)	17
12	60/55	P43t	9003L 5)	25, 27
12	60/55	P26.4t	9008 5)	25, 27
12	60/55	P43t	94193	26
12	65	PGJ19-5	64213 ⁵⁾	25
12	65	PX26d	64217 14)	39
12	65	PGJY19-5	64243 ^{5) 13)}	25, 27
12	65/45	P29t	9004	27
12	65/55	PX29t	9007	27
12	70	PK22s	62151CBH 14)	39
12	80/85	P43t	64206ALL 14)	39
12	100	P14.5s	62200 14)	39
12	100	PK22s	62201 14)	39
12	100	PX14.5s	64152 11) 14)	39
12	100	PKY22s	64153 12) 14)	39
12	100/80	P43t	62203 14)	39
12	100/80	P43t	62203ALL 14)	39
12	100/80	PU43t	64194 12) 14)	39

Rated voltage V	oltage wattage		Product reference	See page	
12	100/80	P45t	64203 ¹⁴⁾	39	
24	1.2	W2x4.6d	2741	37	
24	1.2	B8.5d	2741MF	37	
24	1.2	BX8.5d	2741MFX	37	
24	2	W2.1x9.5d	2840	37	
24	3	W2.1x9.5d	2841	37	
24	3	SV8.5-8	6421	37	
24	3	SV7-8	6430	37	
24	4	BA9s	3930	35, 37	
24	4	BA9s	3930LTS	33	
24	5	W2.1x9.5d	2845	35, 37	
24	5	BA15s	5627	35, 36, 37	
24	5	BA15s	5627LTS	33	
24	5	SV8.5-8	6423	36, 37	
24	5	SV8.5-8	6424	37	
24	10	BA15s	5637	36, 37	
24	10	BA15s	5637LTS	33	
24	10	SV8.5-8	6429	37	
24	20/60	PGJ23t-1	64177	35	
24	21	BAU15s	7510LTS	33	
24	21	BA15s	7511	35, 36	
24	21	BA15s	7511LTS	33	
24	21	BAY9s	64138	35, 36	
24	21/5	BAY15d	7537	36	
24	35		XENAELECTRON XT5-1-D1/24V	12	
24	35		XENAELECTRON XT5-3-D1/24V TAB	12	
24	70	P14.5s	64155	35	
24	70	P14.5s	64155LTS	33	
24	70	PK22s	64156	35	
24	70	PK22s	64156LTS	33	
24	70	PX26d	64215	35	
24	70	PX26d	64215LTS	33	
24	75/70	P43t	64196	35	
24	75/70	P43t	64196LTS	33	
24	75/70	P45t	64199 ¹⁴⁾	39	
24	75/70	P43t	94196	35	
			V-J1D-240-J2A	13	
			M-J1A-260-J2B VS40 OSRAM	13	

- 1) Reduced UV emission | For projection headlights | ECE approval and DOT label. 2) Reduced UV emission | With anti-glare strip for reflection headlights | ECE approval and DOT label.

- and DOT label.

 3) Amber lamps for clear indicators.

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

 5) Lamps comply with ECE R 37 and SAE (DOT) regulations.

 6) Red lamp for clear reversing/brake lights.

 7) Successor to the BILUX® AS® lamp (article reference 7951).

 8) Lamps comply with ECE R 37 and SAE (DOT) regulations I With silver cap.
- 9) With silver cap.

- 10) To be operated only with approved electronic control gear.

 11) 2600 lm | Generally on normal roads.

 12) Generally on normal roads.

 13) New development for simple lamp replacement and highly efficient headlights; supplied on request.
- 14) These products 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. | OFF-ROAD only. | Not for use on public roads.

Type overview by ECE/SAE category.

Internat. category reference	Rated voltage V	Rated wattage W	Base	Product reference	See page
C5W	12	5	SV8.5-8	6418	29, 30
C5W	12	5	SV8.5-8	6418ULT	19
C5W	24	5	SV8.5-8	6423	36, 37
D1R 10)		35	PK32d-3	66154CBI 1)	9
D1R 10)		35	PK32d-3	66154 ²⁾	11
D1S 10)		35	PK32d-2	66144CBI 1)	9
D1S 10)		35	PK32d-2	66144 ¹⁾	11
D1S & D1R	12	35		XENAELECTRON XT-D1/12V	12
D1S & D1R	12	35		XENAELECTRON XT5-2-D1/12V BH	12
D1S & D1R	24	35		XENAELECTRON XT5-1-D1/24V	12
D1S & D1R	24	35		XENAELECTRON XT5-3-D1/24V TAB	12
D2R 10)		35	P32d-3	66250CBI 2)	9
D2R 10)		35	P32d-3	66250 ²⁾	11
D2S 10)		35	P32d-2	66240CBI 1)	9
D2S 10)		35	P32d-2	66240 1)	11
D3R 10)		35	PK32d-6	66350 ²⁾	11
D3S 10)		35	PK32d-5	66340 1)	11
D3S & D3R	12	35		XENAELECTRON XT5-2-D3/12V BH	12
D4R 10)		35	P32d-6	66450 ²⁾	11
D4S 10)		35	P32d-5	66440 1)	11
H1	12	55	P14.5s	64150 ⁵⁾	25
H1	12	55	P14.5s	64150CB 5)	17
H1	12	55	P14.5s	64150NBP	15
H1	12	55	P14.5s	64150SVS 5)	21
H1	12	55	P14.5s	64150ULT 5)	19
H1	24	70	P14.5s	64155	35
H1	24	70	P14.5s	64155LTS	33
H3	12	55	PK22s	64151 ⁵⁾	25
H3	12	55	PK22s	64151CB ⁵⁾	17
H3	12	55	PK22s	64151NBP	15
H3	24	70	PK22s	64156	35
H3	24	70	PK22s	64156LTS	33
H4	12	60/55	P43t	64193	25
H4	12	60/55	P43t	64193CB ⁹⁾	17
H4	12	60/55	P43t	64193NBP	15
H4	12	60/55	P43t	64193NR-02B	23
H4	12	60/55	P43t	64193SVS ⁹⁾	21
H4	12	60/55	P43t	64193ULT ⁹⁾	19
H4	12	60/55	P43t	64193XR-02B	23
H4	12	60/55	P43t	94193	26
H4	24	75/70	P43t	64196	35
H4	24	75/70	P43t	64196LTS	33
H4	24	75/70	P43t	94196	35
H6W	12	6	BAX9s	64132	28
11044	12	J	Drivios	OTIOL	

Internat. category reference	Rated voltage V	Rated wattage W	Base	Product reference	See page
H6W	12	6	BAX9s	64132CB	17
H6W	12	6	BAX9s	64132ULT	19
H7	12	55	PX26d	64210 ⁵⁾	25
H7	12	55	PX26d	64210CB 8)	17
H7	12	55	PX26d	64210NBP	15
H7	12	55	PX26d	64210NR-02B	23
H7	12	55	PX26d	64210SVS 8)	21
H7	12	55	PX26d	64210ULT 8)	19
H7	12	55	PX26d	64210XR-02B	23
H7	24	70	PX26d	64215	35
H7	24	70	PX26d	64215LTS	33
H8	12	35	PGJ19-1	64212 5)	25
H8B ¹³⁾	12	35	PGJY19-1	64242 5)	25, 27
H9	12	65	PGJ19-5	64213 ⁵⁾	25
H9B ¹³⁾	12	65	PGJY19-5	64243 ⁵⁾	25, 27
H10	12	42	PY20d	9145 5)	25, 26
H11	12	55	PGJ19-2	64211 ⁵⁾	25
H11	12	55	PGJ19-2	64211CB	17
H11	12	55	PGJ19-2	64211NBP	15
H11B ¹³⁾	12	55	PGJY19-2	64241 ⁵⁾	25, 27
H13	12	60/55	P26.4t	9008 5)	25, 27
H15	12	15/55	PGJ23t-1	64176 5)	25, 27
H15	24	20/60	PGJ23t-1	64177	35
H21W	12	21	BAY9s	64136	28
H21W	24	21	BAY9s	64138	35, 36
H27/1	12	27	PG13	880	25, 26
H27/2	12	27	PGJ13	881	
HB2 ¹⁴⁾	12	60/55	P43t	9003CB 8)	25, 26 17
HB2	12	60/55	P43t	9003L ⁵⁾	25. 27
HB3	12	60	P20d	9005CB ⁵⁾	17
HB3	12	60	P20d	900565	
HB3A	12	60	P20d	9005XS ⁵⁾	25, 26
HB4	12	51	P22d	9005K3 * 9006CB 8)	25, 26 17
HB4	12	51	P22d	9006L ⁵⁾	25, 26
HB4A	12	51	P22d	9006XS ⁵⁾	
HS1	12	35/35	PX43t	64185	25, 26 25
HS1	12	35/55	PX43t	64185SVS	21
P21/4W	12	21/4	BAZ15d	7225	
					28, 29
P21/5W P21/5W	12	21/5	BAY15d BAY15d	7528 7528ULT	28, 29 19
		21/5			
P21/5W	24	21/5	BAY15d	7537	36
P21W P21W	12	21	BA15s BA15s	7506	28, 29 19
				7506ULT	
P21W	24	21	BA15s	7511 75111TC	35, 36
P21W	24	21	BA15s	7511LTS	33
P27W	12	27	W2.5x16d	3156	28, 29
P27/7W	12	27/7	W2.5x16q	3157	28, 29
PR21W	12	21	BAW15s	7508LDR ⁶⁾	17

Internat. category reference	Rated voltage V	Rated wattage W	Base	Product reference	See page
PR21/5W	12	21/5	BAW15d	7538LDR ⁶⁾	17
PY21W	12	21	BAU15s	7507 ³⁾	28
PY21W	12	21	BAU15s	7507LDA 3)	17
PY21W	12	21	BAU15s	7507ULT 3)	19
PY21W	24	21	BAU15s	7510LTS	33
R2	12	45/40	P45t	64183 ⁷⁾	25
R5W	12	5	BA15s	5007	29, 30
R5W	12	5	BA15s	5007ULT	19
R5W	24	5	BA15s	5627	35, 36, 37
R5W	24	5	BA15s	5627LTS	33
R10W	12	10	BA15s	5008	29, 30
R10W	12	10	BA15s	5008ULT	19
R10W	24	10	BA15s	5637	36. 37
R10W	24	10	BA15s	5637LTS	33
T4W	12	4	BA9s	3893	28, 29, 30, 31
T4W	24	4	BA9s	3930	35, 37
T4W	24	4	BA9s	3930LTS	33
W2.3W	12	2.3	W2x4.6d	2723	31
W16W	12	16	W2.1x9.5d	921	28, 29
W21W	12	21	W3x16d	7505	28
W21/5W	12	21/5	W3x16q	7515	28, 29
W3W	12	3	W2.1x9.5d	2821	31
W3W	24	3	W2.1x9.5d	2841	37
W5W	12	5	W2.1x9.5d	2825	28, 29, 30
W5W	12	5	W2.1x9.5d	2825CB	17
W5W	12	5	W2.1x9.5d	2825HCB	17
W5W	12	5	W2.1x9.5d	2825ULT	19
W5W	24	5	W2.1x9.5d	2845	35, 37
WY5W	12	5	W2.1x9.5d	2827 ³⁾	28
WY21W	12	21	WX3x16d	7504 ³⁾	28
	12	1.12	BX8.4d	2473MFX6	31
	12	1.2	W2x4.6d	2721	31
	12	1.2	B8.5d	2721MF	31
	12	1.2	BX8.4d	2351MFX6	31
	12	1.2	BX8.5d	2721MFX	31
	12	1.3	BX8.4d	2431MFX6	31
	12	1.5	BX8.4d	2452MFX6	31
	12	1.5	B8.5d	2752MF	31
	12	1.5	BX8.5d	2752MFX	31
	12	2	W2x4.6d	2722	31
	12	2	B8.5d	2722MF	31
	12	2	BX8.5d	2722MFX	31
	12	2	BX8.4d	2352MFX6	31

Internat. category reference	Rated voltage V	Rated wattage W	Base	Product reference	See page
	12	2	W2.1x9.5d	2820	31
	12	2.3	BX8.4d	2723MFX6	31
	12	3	SV7-8	6428	30
	12	5	BA9s	3860	30, 31
	12	5	BA9s	64111 ⁴⁾	30
	12	5	SV8.5-8	6413	30
	12	6	W2.1x9.5d	2886X	30
	12	10	SV8.5-8	6411	30
	12	10	SV8.5-8	6438	30
	12	10	SV8.5-8	6461	30
	12	10	BA9s	64113 ⁴⁾	30
	12	20	BA9s	64115	30
	12	55	P14.5s	62150CBH 15)	39
	12	55	PX26d	62210CBH 15)	39
	12	60/55	P43t	62193CBH 15)	39
	12	60/55	P45t	64198 15)	39
	12	65	PX26d	64217 15)	39
	12	65/45	P29t	9004	27
	12	65/55	PX29t	9007	27
	12	70	PK22s	62151CBH 15)	39
	12	80/85	P43t	64206ALL 15)	39
	12	100	PX14.5s	64152 11) 15)	39
	12	100	PKY22s	64153 12) 15)	39
	12	100	P14.5s	62200 ¹⁵⁾	39
	12	100	PK22s	62201 15)	39
	12	100/80	P43t	62203 ¹⁵⁾	39
	12	100/80	P43t	62203ALL 15)	39
	12	100/80	PU43t	64194 12) 15)	39
	12	100/80	P45t	64203 15)	39
	24	1.2	W2x4.6d	2741	37
	24	1.2	B8.5d	2741MF	37
	24	1.2	BX8.5d	2741MFX	37
	24	2	W2.1x9.5d	2840	37
	24	3	SV8.5-8	6421	37
	24	3	SV7-8	6430	37
	24	5	SV8.5-8	6424	37
	24	10	SV8.5-8	6429	37
	24	75/70	P45t	64199 15)	39
				V-J1D-240-J2A	13
				M-J1A-260-J2B VS40 OSRAM	13

- Reduced UV emission | For projection headlights | ECE approval and DOT label.
 Reduced UV emission | With anti-glare strip for reflection headlights | ECE approval and DOT label.
- 3) Amber lamps for clear indicators.

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

 5) Lamps comply with ECE R 37 and SAE (DOT) regulations.

- 6) Red lamp for clear reversing/brake lights.
 7) Successor to the BILUX® AS® lamp (article reference 7951).
 8) Lamps comply with ECE R 37 and SAE (DOT) regulations I With silver cap.
- 9) With silver cap.

- 10) To be operated only with approved electronic control gear.
 11) 2600 lm I Generally on normal roads.
 12) Generally on normal roads.
 13) New development for simple lamp replacement and highly efficient headlights; supplied on request.
- supplied on request.

 14) SAE category reference. H4 with strict geometrical tolerances.

 15) These products 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. | OFF-ROAD only. | Not for use on public roads.

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

Product reference	ECE/ SAE category	Rated voltage V	Rated wattage W	Base	Test voltage V	Power input W	Luminous flux Im	B ₃ /T _c	See page
880	H27/1	12	27	PG13	13.5	max. 31	477±15%	900 15)	25, 26
881	H27/2	12	27	PGJ13	13.5	max. 31	477±15%	900 15)	25, 26
921	W16W	12	16	W2.1x9.5d	13.5	19.4±10%	310±20%	1000 15)	28, 29
2351MFX6		12	1.2	BX8.4d	13.5	1.32±10%	7.5±20%	600/3000	31
2352MFX6		12	2	BX8.4d	13.5	2.13±10%	11.8±20%	1500/6000	31
2431MFX6		12	1.3	BX8.4d	13.5	1.28±15%	6.5±20%	1300/6000	31
2452MFX6		12	1.5	BX8.4d	13.5	1.8±10%	6.5±20%	1700/6500	31
2473MFX6		12	1.12	BX8.4d	14.0	1.12±10%	3.6±25%	500/5000	31
2721		12	1.2	W2x4.6d	13.5	1.22±10%	7.5±20%	500/2000	31
2721MF		12	1.2	B8.5d	13.5	1.2±10%	6.4±25%	500/2000	31
2721MFX		12	1.2	BX8.5d	13.5	1.2±10%	6.4±25%	500/2000	31
2722		12	2	W2x4.6d	13.5	2±10%	12±25%	1300/4000	31
2722MF		12	2	B8.5d	13.5	2±10%	10.2±25%	1300/4000	31
2722MFX		12	2	BX8.5d	13.5	2±10%	10.2±25%	1300/4000	31
2723	W2.3W	12	2.3	W2x4.6d	13.5	2.3±10%	18.6±20%	350/1200	31
2723MFX6		12	2.3	BX8.4d	13.5	2.3±15%	17.3±20%	350/1200	31
2741		24	1.2	W2x4.6d	28.0	1.5±10%	7.5±25%	400/2000	37
2741MF		24	1.2	B8.5d	28.0	1.6±10%	6.4±25%	400/2000	37
2741MFX		24	1.2	BX8.5d	28.0	1.6±10%	6.4±25%	400/2000	37
2752MF		12	1.5	B8.5d	13.5	1.8±10%	6.0±20%	1000/6500	31
2752MFX		12	1.5	BX8.5d	13.5	1.8±10%	6.0±20%	1000/6500	31
2820		12	2	W2.1x9.5d	13.5	2.2±10%	13.5±25%	600/4000	31
2821	W3W	12	3	W2.1x9.5d	13.5	3±10%	22±30%	1300/4000	31
2825	W5W	12	5	W2.1x9.5d	13.5	5±10%	50±20%	350/1000	28, 29, 30
2825CB	W5W	12	5	W2.1x9.5d	13.5	5±10%	50±20%	200/500	17
2825HCB	W5W	12	5	W2.1x9.5d	13.5	5±20%	50±20%	800/2000	17
2825ULT	W5W	12	5	W2.1x9.5d	13.5	5±10%	50±20%	700/1500	19
2827 ³⁾	WY5W	12	5	W2.1x9.5d	13.5	5±10%	30±20%	350/1000	28
2840		24	2	W2.1x9.5d	28.0	2.6±15%	13±30%	500/5000	37
2841	W3W	24	3	W2.1x9.5d	28.0	4±15%	22±30%	500/5000	37
2845	W5W	24	5	W2.1x9.5d	28.0	7±10%	50±20%	800/3000	35, 37
2886X		12	6	W2.1x9.5d	13.5	6±10%	85±20%	400/1000	30
3156	P27W	12	27	W2.5x16d	13.5	29.2±10%	475±15%	600 ¹⁵⁾	28, 29
3157	P27/7W	12	27/7	W2.5x16q	13.5	29.2/ 7.7±10%	475/ 36±15%	600/5000 15)	28, 29
3860		12	5	BA9s	13.5	5±15%	50±20%	400/1000	30, 31
3893	T4W	12	4	BA9s	13.5	4±10%	35±20%	600/1200	28, 29, 30, 31
3930	T4W	24	4	BA9s	28.0	5±10%	35±20%	550/1000	35, 37
3930LTS	T4W	24	4	BA9s	28.0	5±10%	35±20%	550/1000	33
5007	R5W	12	5	BA15s	13.5	5±10%	50±20%	350/800	29, 30
5007ULT	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	29, 30
5008ULT	R10W	12	10	BA15s	13.5	10±10%	125±20%	600/1200	19
5627	R5W	24	5	BA15s	28.0	7±10%	50±20%	500/1000	35, 36, 37
5627LTS	R5W	24	5	BA15s	28.0	7±10%	50±20%	500/1000	33
5637	R10W	24	10	BA15s	28.0	12.5±10%	125±20%	400/800	36, 37
5637LTS	R10W	24	10	BA15s	28.0	12.5±10%	125±20%	1000/2000	33
6411		12	10	SV8.5-8	13.5	10±10%	min. 100	500/1000	30
6413		12	5	SV8.5-8	13.5	5±10%	50±20%	1000/2000	30
6418	C5W	12	5	SV8.5-8	13.5	5±10%	45±20%	1000/2000	29, 30
6418ULT	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	37
6423	C5W	24	5	SV8.5-8	28.0	7±10%	45±20%	1500/4000	36, 37
6424		24	5	SV8.5-8	28.0	7±10%	62±20%	1000/2000	37
6428		12	3	SV7-8	13.5	3.5±10%	29±20%	600/1200	30
6429		24	10	SV8.5-8	28.0	10±10%	105±20%	300/600	37
6430		24	3	SV7-8	28.0	3±10%	min. 15	400/800	37

Product reference	ECE/ SAE category	Rated voltage V	Rated wattage W	Base	Test voltage V	Power input W	Luminous flux Im	B ₃ /T _c	See page
6438		12	10	SV8.5-8	13.5	10±10%	120±25%	500/1000	30
6461		12	10	SV8.5-8	13.5	10±10%	105±20%	600/1200	30
7225	P21/4W	12	21/4	BAZ15d	13.5	25±6%/ 5±10%	440±15%/ 15±20%	180//290/ 1250//4000	28, 29
7504 ³⁾	WY21W	12	21	WX3x16d	13.5	25±6%	280±20%	400/600	28
7505	W21W	12	21	W3x16d	13.5	25±6%	460±15%	400/600	28
7506	P21W	12	21	BA15s	13.5	25±6%	460±15%	224/480	28, 29
7506ULT	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	28
7507LDA ³⁾	PY21W	12	21	BAU15s	13.5	25±6%	280±20%	500/1000	17
7507ULT ³⁾	PY21W	12	21	BAU15s	13.5	25±6%	280±20%	500/1000	19
7508LDR ⁶⁾	PR21W	12	21	BAW15s	13.5	25±6%	110	375/750	17
7510LTS	PY21W	24	21	BAU15s	28.0	28±6%	280±20%	250/500	33
7511	P21W	24	21	BA15s	28.0	28±5%	460±15%	200/400	35, 36
7511LTS	P21W	24	21	BA15s	28.0	28±6%	460±15%	250/500	33
7515	W21/5W	12	21/5	W3x16q	13.5	25±6%/ 6±10%	440±15%/ 35±20%	400//600/ > 3000// > 3000	28, 29
7528	P21/5W	12	21/5	BAY15d	13.5	25±6%/ 6±10%	440±15%/ 35±20%	180//290/ 1250//4000	28, 29
7528ULT	P21/5W	12	21/5	BAY15d	13.5	25±6%	440±15%/ 35±20%	300//800/ 3000//6000	19
7538LDR ⁶⁾	PR21/5W	12	21/5	BAW15d	13.5	25±6%/ 6±10%	105±20%/ 8±25%	225//600/ 3000//6000	17
7537	P21/5W	24	21/5	BAY15d	28.0	28±6%/ 10±10%	440±15%/ 40±20%	150/1500	36
9003CB ⁸⁾	HB2 ¹⁴⁾	12	60/55	P43t	13.2	max. 75/68	1650/ 1000±15%	50//100/ 150//300	17
9003L ⁵⁾	HB2	12	60/55	P43t	12.8	max. 72/65	1500/ 910±15%	160//765/ 230//1110	25, 27
9004	LIDO	12	65/45	P29t	12.8	max. 70/50	1200/ 700±10%	150/320 (14.0V) 15)	27
9005 5)	HB3	12	60	P20d	13.2	max. 73	1860±12%	280/550	25, 26
9005CB ⁵⁾ 9005XS ⁵⁾	HB3	12	60	P20d	13.2	max. 73 max. 73	1860±12%	70/135	17
9005X5 ⁹	HB3A HB4	12	60 51	P20d P22d	13.2	max. 62	1860±12% 1095±15%	280/550 200/410	25, 26 17
9006CB ⁵⁾	HB4	12	51	P22d	12.8	max. 62	1095±15% 1095±15%	1095/2200	25, 26
9006XS ⁵⁾	HB4A	12	51	P22d	13.2	max. 62	1095±15%	860/1720	25, 26
9007	IID4A	12	65/55	PX29t	12.8	max. 70/60	1350/	250/500	27
9008 5)	H13	12	60/55	P26.4t	13.2	max. 75/68	1000±10% 1700/	(14.0V) ¹⁵⁾ 170//1290/	25, 27
9145 ⁵⁾	H10	12	42	PY20d	13.2	max. 50	1100±15% 850±15%	350//2590 860/1720	25, 26
62150CBH ¹⁸⁾	1110	12	55	P14.5s	13.2	max. 68	300_1070	300/1720	39
62151CBH ¹⁸⁾		12	70	PK22s	13.2	max. 75			39
62200 ¹⁸⁾		12	100	P14.5s	13.2	max. 100			39
62201 ¹⁸⁾		12	100	PK22s	13.2	max. 100			39
62203 ¹⁸⁾		12	100/80	P43t	13.2	max. 103/80			39
62203ALL 18)		12	100/80	P43t	13.2	max. 103/80			39
62210CBH ¹⁸⁾		12	55	PX26d	13.2	max. 58			39
62193CBH 18)		12	60/55	P43t	13.2	max. 75/68			39
64111 ⁴⁾		12	5	BA9s	13.5	5±7.5%	80±15%	150/500	30
64113 ⁴⁾		12	10	BA9s	13.5	10.3±7.5%	200±15%	150/400	30
64115		12	20	BA9s	13.5	22.5±7.5%	450±15%	150/500	30
64132	H6W	12	6	BAX9s	13.5	7±5%	125±12%	350/700	28
64132CB	H6W	12	6	BAX9s	13.5	7±5%	125±12%	200/400	17
64132ULT	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	28
64138	H21W	24	21	BAY9s	28.0	28±5%	600±12%	150/400	35, 36
64150 ⁵⁾	H1	12	55	P14.5s	13.2	max. 68	1550±15%	400/650	25

Product reference	ECE/ SAE category	Rated voltage V	Rated wattage W	Base	Test voltage V	Power input W	Luminous flux Im	B ₃ /T _c	See page
64150CB ⁵⁾	H1	12	55	P14.5s	13.2	max. 68	1550±15%	150/250	17
64150NBP	H1	12	55	P14.5s	13.2	max. 68	1550±15%	150/300	15
64150SVS 5)	H1	12	55	P14.5s	13.2	max. 68	1730±3%	150/350	21
64150ULT 5)	H1	12	55	P14.5s	13.2	max. 68	1550±15%	1200/2000	19
64151 ⁵⁾	Н3	12	55	PK22s	13.2	max. 68	1450±15%	400/650	25
64151CB 5)	H3	12	55	PK22s	13.2	max. 68	1450±15%	150/250	17
64151NBP	H3	12	55	PK22s	13.2	max. 68	1450±15%	150/300	15
64152 11) 18)	110	12	100	PX14.5s	13.2	93±5%	2600±10%	50 ¹⁵⁾	39
64153 12) 18)		12	100	PKY22s	13.2	85±5%	2300±10%	50 ¹⁵⁾	39
64155	H1	24	70	P14.5s	28.0	max. 84	1900±15%	400/650	35
64155LTS	H1	24	70	P14.5s	28.0				
64156				PK22s		max. 84	1900±15%	600/1200	33
	H3	24	70		28.0	max. 84	1750±15%	400/650	35
64156LTS	H3	24	70	PK22s	28.0	max. 84	1750±15%	600/1200	33
64177	H15	24	20/60	PGJ23t-1	28.0	max. 24/73	300/ 1500±10%	200//1500/ 400//3000	35
64176 5)	H15	12	15/55	PGJ23t-1	13.2	max. 19/64	260/ 1350±10%	2000//4000/ 250//300	25, 27
64183 ⁷⁾	R2	12	45/40	P45t	13.2	48.5/ 46.5±6%	1030/740 +12%/+5% -15%	250//400/ 500//1200	25
64185	HS1	12	35/35	PX43t	13.2	max. 36.8/ 36.8	825/ 525±15%	150//150/ 300//300	25
64185SVS	HS1	12	35/55	PX43t	13.2	max. 36.8/ 36.8	875/545 +7.5%/+10%	75//120/ 120//240	21
64193	H4	12	60/55	P43t	13.2	max. 75/68	1650/1000 ±12%/±15%	250//400/ 500//900	25
64193CB ⁹⁾	H4	12	60/55	P43t	13.2	max. 75/68	1650/1000 ±15%	50//100/ 150//350	17
64193NBP	H4	12	60/55	P43t	13.2	max. 75/68	1650/1000 ±15%	80//260/ 160//400	15
64193NR-02B	H4	12	60/55	P43t	13.2	max. 75/68	1650/1000 ±15%	40//130/ 80//200	23
64193SVS ⁹⁾	H4	12	60/55	P43t	13.2	max. 75/68	1700/1075 ±10%/±7%	150//150/ 350//350	21
64193ULT ⁹⁾	H4	12	60/55	P43t	13.2	max. 75/68	1650/1000 ±15%	250//1200/ 500//3000	19
64193XR-02B	H4	12	60/55	P43t	13.2	max. 75/68	1650/1000 ±15%	50//100/ 150//350	23
64194 12) 18)		12	100/80	PU43t	13.2	max. 109/85	2900/1500 ±15%	75/150	39
64196	H4	24	75/70	P43t	28.0	max. 85/80	1900/1200 ±15%	170//350/ 400//800	35
64196LTS	H4	24	75/70	P43t	28.0	max. 85/80	1900/1200 ±15%	200//400/ 750//1400	33
64198 ¹⁸⁾		12	60/55	P45t	13.2	max. 73/63			39
64199 ¹⁸⁾		24	75/70	P45t	28.0	max. 85/80			39
64203 18)		12	100/80	P45t	13.2	max. 103/80			39
64206ALL 18)		12	80/85	P43t	13.2	max. 85/80			39
64210 ⁵⁾	H7	12	55	PX26d	13.2	max. 58	1500±10%	330/550	25
64210CB 8)	H7	12	55	PX26d	13.2	max. 58	1500±10%	100/200	17
64210NBP	H7	12	55	PX26d	13.2	max. 58	1350±10%	150/250	15
64210NR-02B	H7	12	55	PX26d	13.2	max. 58	1350±10%	100/200	23
64210SVS 8)	H7	12	55	PX26d	13.2	max. 58	1500±10%	150/220	21
64210ULT 8)	H7	12	55	PX26d	13.5	max. 58	1350±10%	1000/2000	19
64210XR-02B	H7	12	55	PX26d	13.2	max. 58	1350±10%	100/200	23
64211CB	H11	12	55	PGJ19-2	13.2	max. 62	1350±10%	160/200	17
64211 ⁵⁾	H11	12	55	PGJ19-2	13.2	max. 62	1350±10%	100/290	25
64211NBP	H11	12	55	PGJ19-2	13.5	max. 65	1350±10%	150/250	15
64211 ⁵⁾	H8	12	35	PGJ19-2 PGJ19-1	13.5	max. 43			25
							800±15%	400/800	
64213 5)	H9	12	65	PGJ19-5	13.2	max. 73	2100±10%	250/500	25

Product reference	ECE/ SAE category	Rated voltage V	Rated wattage W	Base	Test voltage V	Power input W	Luminous flux Im	B ₃ /T _c	See page
64215	H7	24	70	PX26d	28.0	max. 75	1750±10%	220/500	35
64215LTS	H7	24	70	PX26d	28.0	max. 80	1750±10%	500/1000	33
64217 18)		12	65	PX26d	13.2				39
64241 ⁵⁾	H11B 13)	12	55	PGJY19-2	13.2	max. 62	1350±10%	350/440	25, 27
64242 5)	H8B 13)	12	35	PGJY19-1	13.2	max. 43	800±15%	400/620	25, 27
64243 ⁵⁾	H9B 13)	12	65	PGJY19-5	13.2	max. 73	2100±10%	250/400	25, 27
66144 ¹⁾	D1S 10)	10)	35	PK32d-2	13.5	35±3%	3200±450	2000/3000	11
66144CBI ¹⁾	D1S 10)	10)	35	PK32d-2	13.5	35±3%	3200±450	1500/3000	9
66154 ²⁾	D1R 10)	10)	35	PK32d-3	13.5	35±3%	2800±450	2000/3000	11
66154CBI 1)	D1R 10)	10)	35	PK32d-3	13.5	35±3%	2800±450	1500/3000	9
66240 ¹⁾	D2S 10)	10)	35	P32d-2	13.5	35±3%	3200±450	2000/3000	11
66240CBI 1)	D2S 10)	10)	35	P32d-2	13.5	35±3%	3200±450	1500/3000	9
66250 ²⁾	D2R 10)	10)	35	P32d-3	13.5	35±3%	2800±450	2000/3000	11
66250CBI ²⁾	D2R 10)	10)	35	P32d-3	13.5	35±3%	2800±450	1500/3000	9
66340 ¹⁾	D3S 10)	10)	35	PK32d-5	13.5	35±3%	3200±450	1800/3000	11
66350 ²⁾	D3R 10)	10)	35	PK32d-6	13.5	35±3%	2800±450	1800/3000	11
66440 ¹⁾	D4S 10)	10)	35	P32d-5	13.5	35±3%	3200±450	1800/3000	11
66450 ²⁾	D4R 10)	10)	35	P32d-6	13.5	35±3%	2800±450	1800/3000	11
94193	H4	12	60/55	P43t	13.2	max. 75/68	1650±12%/ 1000±15%	300//1100/ 500//2400	26
94196	H4	24	75/70	P43t	28.0	max. 85/80	1900/1200/ ±15%	170//500/ 400/1500	35
XENAELECTRON XT5-1-D1/24V	D1S & D1R	24	35		13.5	ca. 41 16)		> 3000	12
XENAELECTRON XT5-2-D1/12V BH	D1S & D1R	12	35		13.5	ca. 41 16)		> 3000	12
XENAELECTRON XT5-2-D3/12V BH	D3S & D3R	12	35		13.5	ca. 41 17)		> 3000	12
XENAELECTRON XT5-3-D1/24V TAB	D1S & D1R	24	35		13.5	ca. 41 16)		> 3000	12
XENAELECTRON XT-D1/12V	D1S & D1R	12	35		13.5	ca. 41 16)		> 3000	12
12M-J1A-260-J2B VS40 OSRAM									13
V-J1D-240-J2A									13

Explanation: 1-filament lamp e.g. 100/300

2-filament lamp e.g. 100//300/500//100



- 1) Reduced UV emission | For projection headlights | ECE approval and DOT label.
- 2) Reduced UV emission | With anti-glare strip for reflection headlights | ECE approval and DOT label.
- 3) Amber lamps for clear indicators.
 4) Also available with glass base (article reference 6411150 or 6411350).
 5) Lamps comply with ECE R 37 and SAE (DOT) regulations.

- 6) Red lamp for clear reversing/brake lights.
 7) Successor to the BILUX® AS® lamp (article reference 7951).
 8) Lamps comply with ECE R 37 and SAE (D0T) regulations I With silver cap.
- 9) With silver cap.
- 10) To be operated only with approved electronic control gear.
- 11) 2600 lm | Generally on normal roads.

- 12) Generally on normal roads.
- 13) New development for simple lamp replacement and highly efficient headlights; supplied on request.

- supplied on request.

 14) SAE category reference. H4 with strict geometrical tolerances.

 15) B₅₀ = average lifespan.
 Explanation: 1-filament lamp e.g. 100
 2-filament lamp e.g. 100/300

 16) For operating an OSRAM D1 XENARC® electronic 35 W gas discharge lamp.

 17) For operating an OSRAM D3 XENARC® electronic 35 W gas discharge lamp.

 18) These products 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. I OFF-ROAD only. I Not for use on public roads.

Symbols

ECE

Int. category label ECE



Connector code (lamp side)



Connector code (ECG side)



Rated wattage in watts



Voltage in volts



Luminous flux in lumen



Color temperature in K



Temperature range



Base



Fig. no.



Width b in mm



Height h in mm

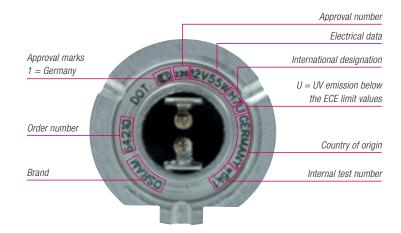


Length I in mm



Shipping unit

Base stamp



The most important data on an OSRAM H7 lamp.

Notes on product labeling



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



Do not throw away with household waste



High levels of UV radiation



Switch off lights before replacing lamp



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



Ignition procedure for lamps with external igniter



Caution: hot



Lamp cannot be dimmed



Dangerous voltage



Wear suitable gloves when fitting or removing



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



Protect against splashes



Wear suitable goggles when fitting or removing



Operate only in shielded luminaires



Not for residential lighting

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.

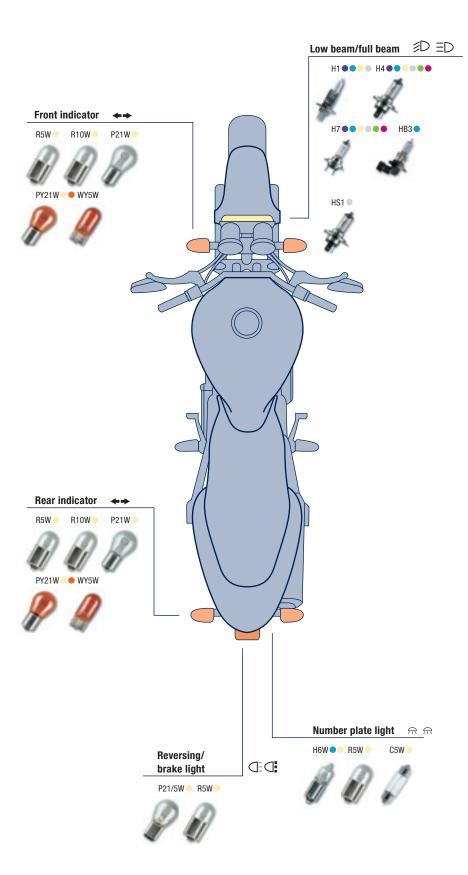
For more information on our products, go to: www.osram.com



Printed on paper treated with chlorine-free bleach.

Printed in Germany. Subject to change without notice.

Errors and omissions excepted.



OSRAM NIGHT BREAKER® PLUS

- Up to 90 % more light on the road 1) for better visibility and much longer reaction time
- Up to 35 m longer beam of light 1)
- Up to 10 % whiter light 1) for comfortable, fatigue-free driving
- Up to 50 % longer life 2) (Extra Lifetime)

OSRAM COOL BLUE®

- Modern bright bluish-white light (up to 4,000 K, similar to light from xenon lamps)
- Up to 20 % brighter than standard lamps 3)
- High-contrast illumination of the road

OSRAM SILVERSTAR®

- Up to 50 % more light on the road ahead 1) for greater safety
- Up to 20 m longer beam 1)

OSRAM ULTRA LIFE

- Lasts up to three times longer than a conventional automotive lamp
- 3-year guarantee
- Unique reliability
- Suitable for all vehicle types

OSRAM DIADEM®

- Only yellow when it flashes
- Opalescent appearance when not in use
- Ideal for all modern clear-glass indicators
- Twice the life 1)

OSRAM NIGHT RACER®

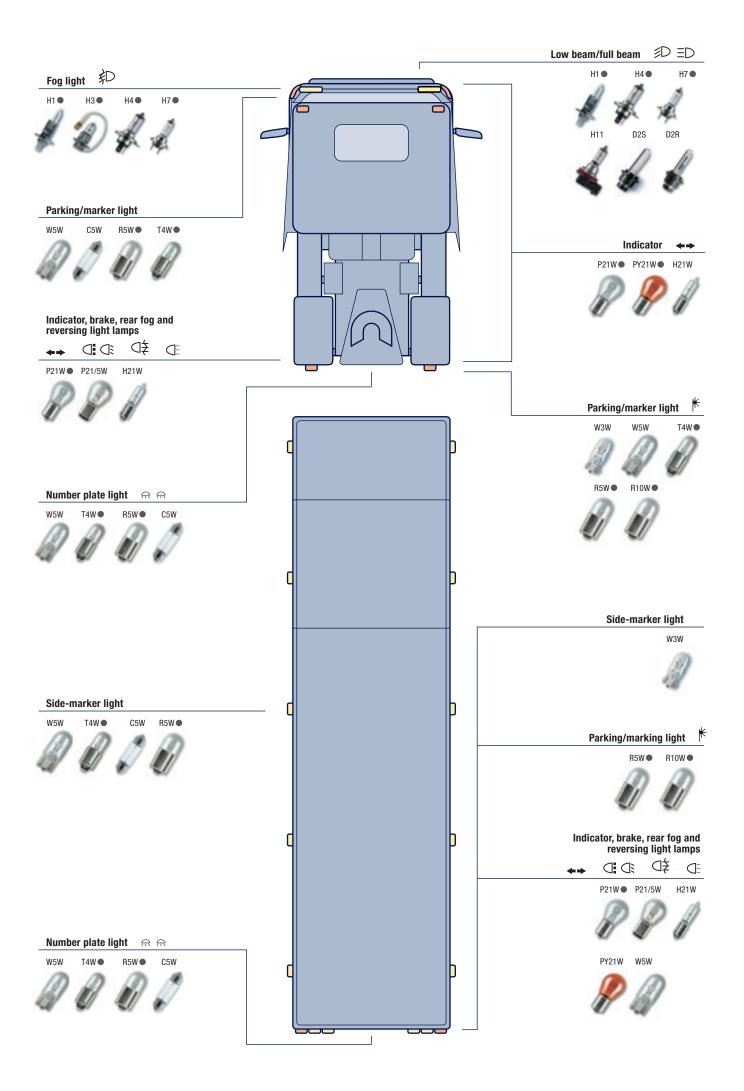
- Up to 90 % more light on the road ahead ¹⁾ for maximum safety
- Up to 35 m longer beam of light 1)
- Up to 10% whiter light 1) for comfortable, fatigue-free driving

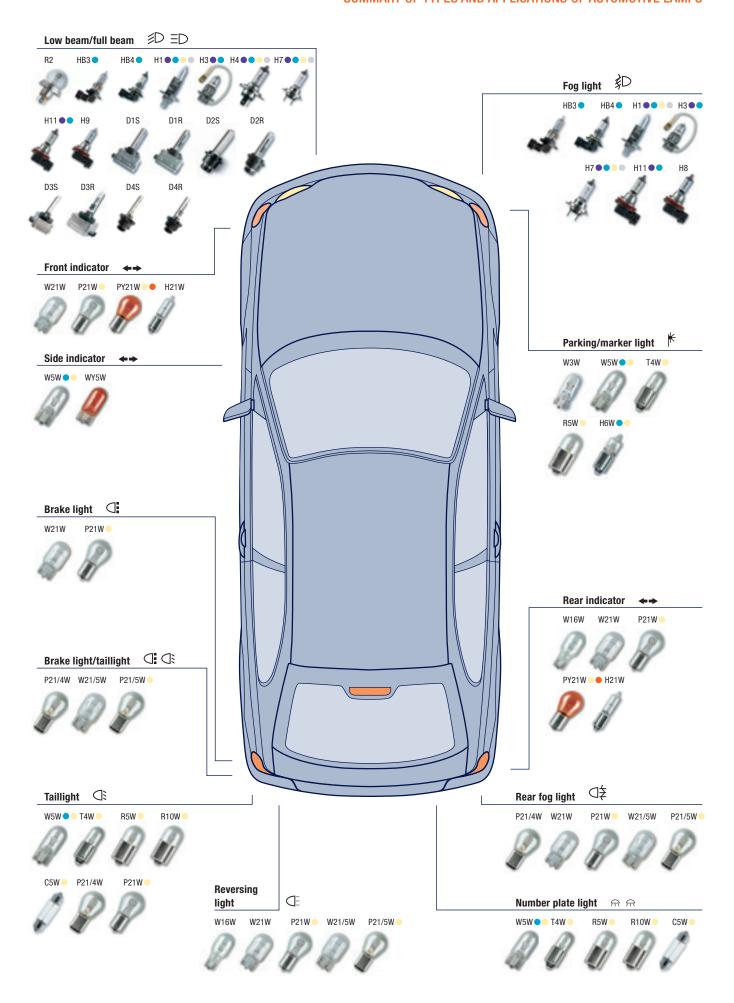
OSRAM X-RACER®

- Modern, bright bluish-white light (up to 4,000 K, similar to light from xenon lamps)
- Up to 20 % brighter 1) 3)
- Brighter and therefore easier on the eyes

OSRAM TRUCKSTAR®

- Up to 100 % more light on the road 1) thanks to patented single-coil technology (SC)
- More than twice the life of conventional 24 V lamps
- Greater safety thanks to better illumination of the road
- 1) Compared with standard lamps.
- 2) Compared with standard lamps.
- 3) Subjective impression.





OSRAM GmbH

Head Office

Hellabrunner Strasse 1 81543 Munich Fon +49 (0) 89-6213-0 Fax +49 (0) 89-6213-20 20 www.osram.com catalog.myosram.com/EN