



Source: LDM

HALOSTAR® STAR

Almost perfect point light source with an average life of 2 years¹. Available in 5 to 50 W with G4 or GY6.35 pin base.



Article name



Order reference

Order code (EAN)

G4 ☞ – clear – 12V – Blister

HALOSTAR STAR 5 W	5	9.5	33	2	10	64405 BLI2	4008321201799
HALOSTAR STAR 10 W	10	9.5	33	2	10	64415 BLI2	4008321201812
HALOSTAR STAR 20 W	20	9.5	33	2	10	64425 BLI2	4008321201836

G4 ☞ – frosted – 12V – Blister

HALOSTAR STAR 10 W	10	9.5	33	2	10	64415 F BLI2	4008321202185
HALOSTAR STAR 20 W	20	9.5	33	2	10	64425 F BLI2	4008321202208

GY6.35 ☞ – clear – 12V – Blister

HALOSTAR STAR 35 W	35	12.0	44	2	10	64432 BLI2	4008321201874
HALOSTAR STAR 50 W	50	12.0	44	2	10	64440 BLI2	4008321202161





UP TO
30%
LOWER ENERGY
CONSUMPTION

Halogen lamps.

In the new halogen range from OSRAM your customers can find the right lamp whatever the requirements and whatever the application. All the usual types and wattages are there – and some are only available from OSRAM. All halogen lamps from OSRAM offer bright white light, natural color rendering, constant luminous intensity throughout their lives and high efficiency. Our latest halogen highlights prove that high quality of light and energy savings are no longer mutually exclusive. With HALOGEN ENERGY SAVER lamps your customers will enjoy modern halogen light, save plenty on electricity costs and make an active contribution to climate protection at the same time.

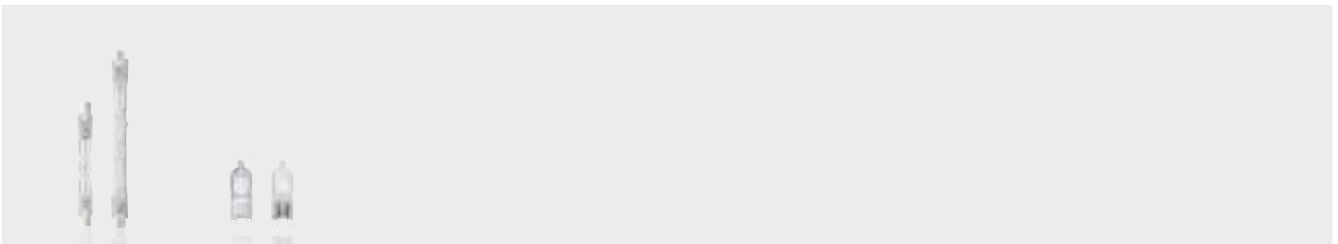
HALOGEN LAMPS



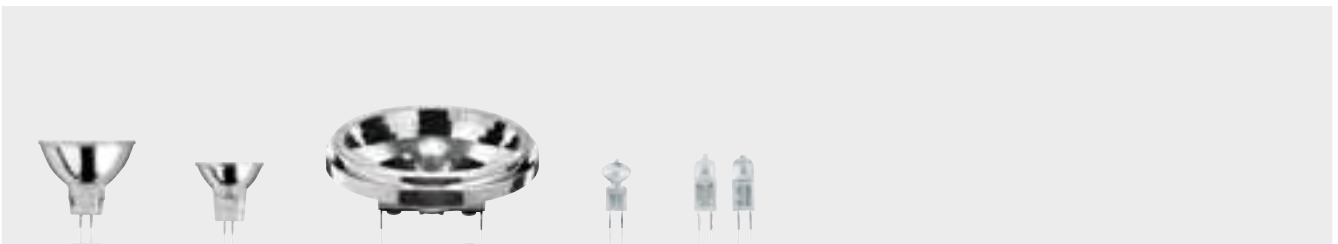
Classic shapes (230 V).



Spotlight lamps (230 V).



Line-voltage halogen lamps (230 V).



Low-voltage halogen lamps (12 V).

All OSRAM halogen lamps feature the following:

- Brilliant white light
- Natural color rendering
- Constant light output throughout their lives
- High efficiency

Halogen lamps for line voltage and low voltage.

In addition to classic low-voltage lamps (12V) the halogen range from OSRAM includes a growing proportion of innovative lamps for line voltage (230V). These are used in modern luminaires without transformers. The latest generations with screw bases are suitable as direct replacements for conventional incandescent lamps, bringing all the benefits of halogen in no time at all.

OSRAM is the inventor of pinch technology.

This innovative technology is a process used in the manufacture of line-voltage halogen lamps to make the lamps particularly robust and shockproof, thereby improving their life expectancy. A patented integrated fuse system ensures that lamps are safely switched off when they come to the end of their life. The lamps can therefore also be used in unshielded luminaires (in accordance with IEC 60598-1). The classic shapes (bulb, candle and round versions and the R50 and R63 spotlight lamps) are also equipped with modern pinch technology.



The right halogen lamp whatever the need.

OSRAM offers halogen lamps in all the customary types and wattages. Depending on the individual requirements and area of application, your customers have a choice of three different product lines.

- **ENERGY SAVER** for demanding environment-conscious consumers: up to 30 % lower energy consumption and CO₂ emissions than incandescent and standard halogen lamps
- **SUPERSTAR** for comfort-conscious consumers: twice the life of STAR halogen lamps
- **STAR** for price-conscious consumers: standard products in tried and tested OSRAM quality

Halogen lamps that save energy: HALOGEN ENERGY SAVER.

In view of rising energy prices and greater environmental awareness there is growing demand for energy-saving products. At the same time, consumers are not prepared to accept compromises in the quality of light. The answer is HALOGEN ENERGY SAVER lamps from OSRAM. They offer high-quality light and save up to 30 % energy compared with conventional halogen and incandescent lamps.

Of particular interest for your customers and for your sales figures are the new HALOGEN ENERGY SAVER CLASSIC lamps with screw bases in classic light bulb shapes. These can be used by your customers as direct replacements for ordinary light bulbs. HALOGEN ENERGY SAVER CLASSIC lamps look like ordinary light bulbs and provide a pleasant light but save up to 30 % in energy consumption and last much longer.

With HALOGEN ENERGY SAVERS you are making an active contribution to climate protection and putting your own business on a better economic footing for the future.



Six myths about halogen lamps.



“... are only available with plug-in bases”

You can also enjoy the benefits of brilliant halogen light in normal screw-base luminaires. Halogen lamps from OSRAM with screw bases are available in many conventional shapes to provide the right light in bedside lights, large table lights, ceiling floodlights and so on.

“... are heavy users of electricity”

The new HALOGEN ENERGY SAVER lamps from OSRAM are more energy-efficient than previous halogen lamps, are categorized in Energy Classes C and D and save up to 30 % energy compared with ordinary light bulbs. And all without compromising on light color or quality of light.

“... get very hot”

The temperature of the lamps, or more precisely the bulb, depends on the particular lamp type. The new HALOGEN ENERGY SAVER lamps from OSRAM do not get any hotter than ordinary light bulbs. This is because of the way in

which halogen lamps are constructed. The inner bulb (burner) shields the outer bulb from the heat produced by the filament.

“... always need a transformer”

Halogen lamps from OSRAM are available as line-voltage halogen lamps and as low-voltage halogen lamps. Line-voltage lamps are suitable for direct operation on the ac supply (230 V), whereas low-voltage lamps need operating voltages of 6 V, 12 V or 24 V. These lamps require a transformer.

“... produce a cold light”

The light from the new HALOGEN ENERGY SAVER lamps from OSRAM gives the same impression of light as ordinary light bulbs. However the lamp needs a smaller lumen value to create a similar impression of brightness. A 60 W light bulb for example can be replaced by a 42 W HALOGEN ENERGY SAVER.

“... are not very eco-friendly”

Halogen lamps from OSRAM do not contain any substances that are harmful to the environment. They can be thrown away with normal household waste. As far as possible only environmentally friendly materials are used in the manufacture of the lamps. Even if several lamps break there is no risk to people or the environment.



OSRAM – a traditional brand with a history of success.

In 2006 we celebrated the 100th birthday of the OSRAM brand. As one of the most traditional brand names in the world, it is synonymous with light around the globe. Today, OSRAM is one of the leading lighting manufacturers in the world. Our innovative products and lighting solutions are welcomed by customers and consumers in more than 150 countries – for their high quality, environmental friendliness, economical use of energy, comfortable light, long life and new aesthetics.

OSRAM – lighting solutions for everyone.

This catalog presents the current range of lamps and luminaires from OSRAM for the retail sector. In addition to many classics and numerous big sellers, you will find an impressive number of innovative products. Brilliant sales opportunities are presented for example by the revolutionary HALOGEN ENERGY SAVER lamps that not only provide impressive quality of light but also save up to 30% energy compared with conventional incandescent lamps and standard halogen lamps. OSRAM therefore offers not only the familiar compact fluorescent lamps but also these attractive alternatives to ordinary light bulbs. Your eco-conscious customers in particular will be keen to use these lamps because not only will they save money they will be making and active contribution to climate protection – a subject that is influencing the buying habits of more and more consumers. The new LED lamps will also impress your customers. LED light is the latest trend. It is particularly economical and versatile – and is already ousting conventional lighting solutions in many applications. OSRAM offers you and your customers more than just a wide range of lamps; it offers a wealth of good ideas and innovative solutions in the lightings sector. Whether your customers are looking for functional mobile LED luminaires, atmospheric lighting or multifunctional outdoor lights and flashlights they will find perfect products for every need and every application.

OSRAM will enlighten your customers.

OSRAM polePOSition – our holistic and sustainable concept for modern, market-related and consumer-friendly shelf presence – and our immensely attractive and informative packaging. The packaging provides useful guidance for consumers and contributes enormously to the sustainable success of the products. There's no way your customers can miss OSRAM. They benefit from better lighting at a very high quality throughout the range. And for you it means higher sales and better profits. Make the next lighting season a really successful one with OSRAM.



OSRAM DULUX®
UP TO
80%
LESS CO₂
PER LAMP

Switch over to climate protection.

Use less electricity with energy-saving lamps from OSRAM and make a positive contribution to climate protection.

Consumers are taking the environmental friendliness of products more and more into consideration. With innovative lamps from OSRAM you can offer your customers alternatives that not only save energy but also make an active contribution to environmental protection.

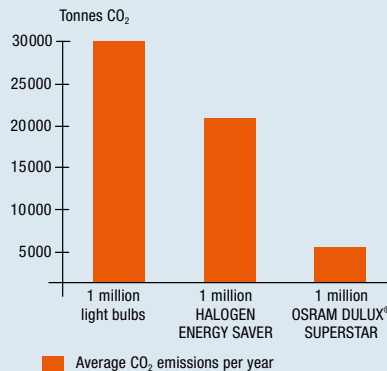
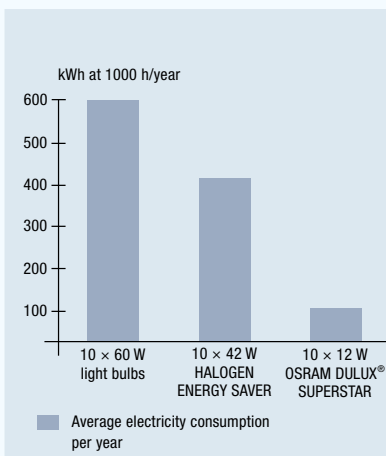
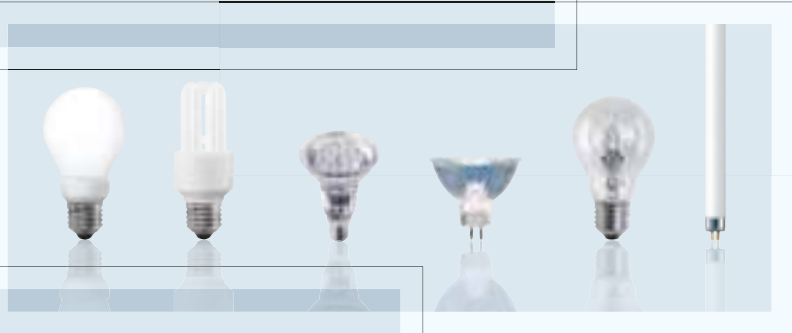
The consequences of global warming are already evident. The polar ice caps and glaciers are melting, sea levels are rising and deserts are expanding. The problem lies with increasing CO₂ emissions throughout the world. With our energy-saving lamps each and every one of us can do something about the greenhouse effect because OSRAM energy-saving lamps

use up to 80 % less electricity than ordinary light bulbs. Each compact fluorescent lamp that you use instead of an ordinary light bulb can reduce CO₂ emissions by as much as 0.4 tonnes¹.

Do you want to raise your profile and your lighting sales at the same time? Then simply turn to the eco-friendly energy-saving products from OSRAM.

¹ Over its lifetime

OSRAM offers a series of energy-saving products. OSRAM's range of energy-saving products includes not only OSRAM DULUX® energy-saving lamps and fluorescent lamps but also modern halogen lamps and innovative LED lamps. These lamps cover an extremely wide range of applications.



Savings per year²

For example, if each of the 40 million German households were to replace five 60 W light bulbs with HALOGEN ES 42 W.

€ 1.8 million tonnes of CO₂³
 € 3.6 billion kWh of electricity
 € 612 million EUR⁵

For example if a household were to use six OSRAM DULUX® SUPERSTAR 12 W¹ lamps.

€ 144 kg CO₂³
 € 288 kWh electricity
 € 48.96 EUR⁵

- 1.8 million tonnes of CO₂ is equivalent to the average emissions of approx. 840,000 automobiles per year⁴
- One tree absorbs around 20 kg of carbon dioxide per year
- To absorb 1.8 million tonnes of CO₂ you would need 90,000,000 trees – that's a forest twice the size of the federal state of Berlin.
- 900,000 tonnes of crude oil would be needed to produce 3.6 billion kWh of electricity



¹ Instead of a 60 W light bulb

² Operating for 1000 hours per year

³ Energy mix for Germany: 0.5 kg CO₂/kWh

⁴ Calculated for CO₂ emissions of 165 g/km, 13,000 km p.a.

⁵ Electricity price 0.17 EUR/kWh

www.osram.com/consumer



www.osram.com/energysavers



www.osram.com/consumerluminaires



www.osram.com/specials

OSRAM on the internet – valuable information for the retail sector.

You can also rely on OSRAM on the internet. On our home page you will find extensive information on light and lighting in general and all the OSRAM products – clearly laid out, easy to understand and right up to date. You can therefore easily familiarize yourself with modern lighting and then use this knowledge to give your customers first-class advice.

Crucial information for your customers.

In the “Consumer” section you will find all the lighting information and products that are of interest particularly for private end customers. Here you will find everything you need to know about lighting in the home, luminaires, automobile lighting and the latest special offers and competitions from OSRAM. You can also check out our press release archive for the latest trends in lighting, the latest product developments from OSRAM and other relevant aspects of lighting.

www.osram.com/consumer

Energy savings at home – with lamps from OSRAM.

Anyone interested in energy savings will find relevant information in the “Lighting for the home” section. This section contains a list of all the energy-saving lamps from OSRAM with precise descriptions of the various benefits and features. Here you can see all the relevant information on OSRAM’s range of halogen and incandescent lamps.

www.osram.com/energysavers

Functional luminaires with attractive styling.

Whether you are looking for fluorescent lamps, halogen lamps, batten luminaires, spotlights, table lights, flashlights, plant lights or heat lamps, for indoors or outdoors, walls or ceilings, you will find a complete overview of the modern range of luminaires from OSRAM and all the accessories in the “Luminaires” section.

www.osram.com/consumerluminaires

Sales promotion – the fun of taking part.

You and your customers can find attractive competitions, promotional campaigns and games that make lighting fun, provide valuable information and encourage purchases here under “Specials & Promotions”.

www.osram.com/specials

Secondary placements with a high impulse buying factor.

First-class secondary placements for higher turnover and earnings. OSRAM supports you throughout the year with attractive product-specific, seasonal or topic-related promotions, campaign material and cross merchandising solutions.



Obvious benefits.

The attractive campaign-related and permanent secondary placements from OSRAM are ideal for boosting presence outside the shelf, for increasing sales and for encouraging impulse purchases.

Whatever your needs:

- Various displays for large areas, places with little space on the shelving or separate placement at cash desks etc.
- Headers with product information and attention-grabbing emotional motifs

Further information is available from your contact at OSRAM or get in touch with the telesales team at the OSRAM Customer Service Center on +49 (0)89-67845-263.

Floor display.

Versatile and easy to set up. Attractive high-capacity secondary placement for rapid sales. Eye-catching headers and side panels communicate the strengths and benefits of the products.



Triangular floor display.

Instantly visible from all sides. Ideal for central placement, e.g. near the cash desk.



Compact floor display.

Permanent sales boosting in a very small package. This attractive display will fit anywhere, no matter how much or how little room is available.



Counter display.

Secondary placement to boost impulse buying. Easy to set up. The ideal display for small areas around shelving or the information desk. Compact and handy.



Strip hanger.

Encourages impulse buying – wherever and whenever. Special placement with mini header incl. flexible blister hooks. Can be used as a mobile unit and can be fixed anywhere by means of hooks.



1/1 display Euro pallet.

Large-scale placement with all-round and long-distance effects. The 1/1 display Euro pallet offers space for a large quantity of goods on four sides. Large header, printed front and rear, that catches the eye from a distance.



Light shop metal display.

High-quality permanent placement. The long-life metal display promotes sales on a permanent basis by placement outside the shelf. With blister hooks and separately available baskets.



OSRAM packaging.

Modern packaging design – for clarity and appeal.

Our high-quality packaging makes purchasing for your customers particularly easy with clear design and rapid communication of information. Color coding is based on the lighting technology: green for compact fluorescent lamps, blue for halogen lamps and orange for incandescent lamps.

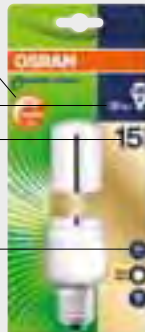
As a result the shelf appearance is calmer, there is a uniform presence and consumers can find what they are looking for more easily. It is also possible to adapt the shelf structure to suit the available shelf run depending on the shop format and the needs of purchasers.

Emphasizes the added value of the particular lamp

Wattage large and clear in the top right corner

Life of the lamp clearly shown

Clear presentation of the technical features



The picture logo.

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

The band.

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.

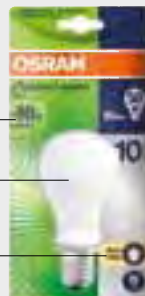
The color.

Color coding for the product family for easy orientation. The color indicates which lighting technology is in the packaging. The green component indicates sustainable OSRAM products.

Clear indication of the energy savings of the particular lamp

Bulb shape and base clearly visible

Light color easily identifiable



OSRAM DULUX® EL special lamps

- Golden icon bar as a sign of top quality
- Extra long life of 15 years
- Special extra functions are highlighted in the added-value flash
- For the quality-conscious consumer with special requirements

OSRAM DULUX® SUPERSTAR

- Long life of 10 years
- QUICKSTART technology for rapid lamp starting (tubular lamps only)
- For the comfort-seeking consumer

OSRAM DULUXSTAR®

- Life of 6 years
- For the price-conscious consumer

Type and order reference

Guarantee in years

Energy label to help find energy-efficient products

Application notes and safety information

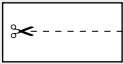











Product safety directive. Greater safety and transparency for consumers.

OSRAM has always focused not only on high product quality but also on the health and safety of the consumers of its products. The directive on product safety, which came into force on January 15, 2004, creates the same conditions in all EU member states and standardizes the safety requirements relating to products.

The directive promises greater safety and transparency for the consumer. To meet our obligations arising from this directive, we provide information about our products on the products themselves, on the packaging and on the leaflets enclosed with the products. Because there are so many different languages in the EU we use pictograms.

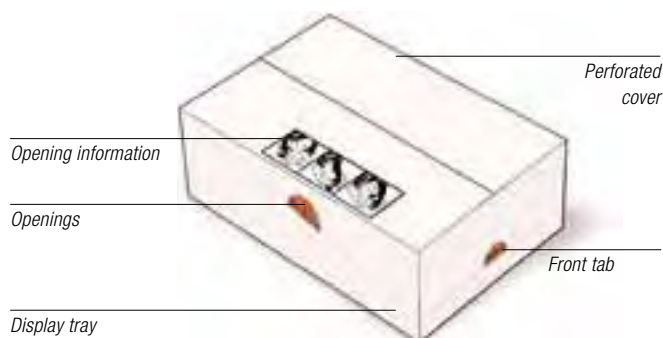
A selection of pictograms used by OSRAM:

	<i>Open packaging</i>		<i>Use indoors only</i>		<i>Caution: hot</i>
	<i>Read the enclosed leaflet before use</i>		<i>Disconnect the power supply before relamping</i>		<i>Protect against splashes</i>
	<i>Keep away from children</i>		<i>Switch off headlights before replacing lamp</i>		<i>Lamp with UV filter</i>
	<i>Hold by the casing, not the lamp</i>		<i>Operate only in shielded luminaires</i>		<i>Lamp with UV filter</i>
	<i>Do not touch the lamp with bare fingers</i>		<i>Lamp cannot be dimmed</i>		<i>Germicidal lamp</i>
	<i>Do not throw away with household waste</i>		<i>Lamp can be infinitely dimmed</i>		<i>Radiation hazard</i>

Unmistakable. Simple. Successful: Shelf Ready Packaging (SRP).*

OSRAM has developed a new easy-to-use outer carton for the core retail range. The simplified SRP solution makes handling much easier for shelf presentation and storage (commissioning). The benefits of the white perforated SRP carton are self-evident:

- The right format for the shelf
 - The cartons fit the shelf (maximum depth 400 mm)
 - Reduction in the contents of the carton to 35, 30 or fewer lamps to reduce the number of part-used cartons
- High recognition value and visibility
 - Uniform carton material and appearance for all products
 - Uniform white color
 - The front tab can be pulled down so the product is fully visible
- The carton is easier to open
 - Oblique perforation line on both sides of the carton
 - Thanks to the perforations and the openings the carton is easy to open without any tools
 - Pictograms are provided to show how to open the carton
- Improved stability
 - The carton has a stable structure, no damage to the display tray
 - Improved protection for the products on the shelf
- Easier to refill the carton
 - Improved productivity for refilling thanks to the perforated tear-open cover



* applies only to selected product groups and types of packaging

At a glance: the best way to use the catalog.

All the lamps and luminaires are presented according to a clear and simple system that enables you to find the most important facts and figures quickly and easily.

Indicates products that must not be thrown away with household waste

Product name and brief information on the most important product features

Table showing which energy saving OSRAM product replaces which standard product, with comparative wattages, cost savings and CO₂ savings

Typical applications

Color coded finger tabs for quick access to the different sections

Unique visual link with names and pictures of the individual products in the available packaging (boxes, blister packs)

Flash indicates special product features

Article name	W	lm/W	Energy class	d [mm]	L [mm]	Packing unit	Standard pack	Order reference	Order code (EAN)
E27 – Stick – Warm light (827) – Eco-blister									
DULUX EL SENSOR 11 W	11	57	A	45	122 ±3	1	6	DULUX EL SENSOR 11W/827 BLI1	4008321109224
DULUX EL SENSOR 15 W	15	60	A	45	129 ±3	1	6	DULUX EL SENSOR 15W/827 BLI1	4050300579993

1 Information that applies to the entire table (e.g. base, lamp shape, light color, type of packaging)

2 OSRAM article name

3 Lamp wattage

4 Luminous efficacy

5 Energy efficiency class of the lamp

6 Dimensions of the lamp

7 Indicates the number of lamps per sales unit/end consumer packaging

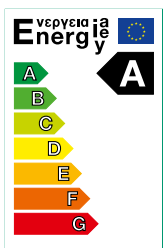
8 Standard pack indicating the packing unit/sales unit

9 OSRAM reference (SAP short text) for your order

10 EAN code

The Energy Label.

This label shows which of the seven classes of energy efficiency the household lamp has been assigned to. "A" stands for "very efficient" and G for "least efficient". The wattage (W) and luminous flux (lm) of the lamp must also be shown on the packaging.



Examples of classifications:

- Fluorescent and energy-saving lamps: Classes A and B
- Tungsten-halogen lamps: mostly classes C and D
- Incandescent lamps: mostly classes E and F

Guaranteed to save electricity.

Lamp quality from OSRAM.

OSRAM energy-saving lamps come with a guarantee that no other manufacturer is offering at present:

- 5 years for OSRAM DULUX® SUPERSTAR
- 3 years for OSRAM DULUXSTAR®

In view of their specific use of more than three hours a day on average, only OSRAM DULUX® EL SENSOR and OSRAM DULUX® EL VARIO are excluded from this guarantee.

Calculating the energy efficiency class.

Lamps are assigned to the energy efficiency classes according to their measured luminous flux and wattage according to Annex IV of Directive 98/11/EC from the EU Commission.

The methods.

The methods used for measuring these values are defined in DIN EN 50285:1999 "Energy efficiency of electric lamps for household use, measuring methods". This standard includes references to the relevant lamp standards.

Monitoring the market.

In Germany, the Federal States are responsible for checking for compliance with this Directive.

Information on luminaire packaging.

In cases in which lamps are included with the luminaire, either with or without its own packaging, there is no requirement for the luminaire to be labeled.

What does this mean in practice?

If an OSRAM DULUX® SUPERSTAR fails within five years of the date of purchase because of a product fault the purchaser will receive a replacement free of charge, provided the lamp was not being used for commercial purposes.

If the lamp should fail, send it back to OSRAM together with the sales receipt. The same applies to the OSRAM DULUXSTAR®, but only for three years.

This does not in any way affect your statutory rights. OSRAM GmbH, www.osram.com/guarantee

Environment protection guidelines.



WEEE directive: disposal of waste electrical and electronic equipment.

This directive obliges all manufacturers and importers of electronic equipment to take back certain products and ensure that they are processed, reused or recycled. It relates, among other things, to luminaires for fluorescent lamps (with the exception of luminaires in households), tubular fluorescent lamps and compact fluorescent lamps. Starters, control gear and light emitting diodes are classed as luminaire components and as such are part of the luminaire disposal process. All OSRAM products that need to be disposed of under the WEEE directive are labeled with the appropriate symbol.

RoHS Directive: greatly reduced mercury content.

This EU Directive prohibits the use of certain hazardous substances. The mercury content in some discharge lamps is restricted. OSRAM is doing more than just meeting statutory requirements, it is setting even tougher standards for its products with new eco-friendly technologies and materials.



Highlights new OSRAM products.

Look for this flash for the latest innovative products from OSRAM.





UP TO
80%
ENERGY
SAVINGS

Energy-saving lamps/ compact fluorescent lamps.

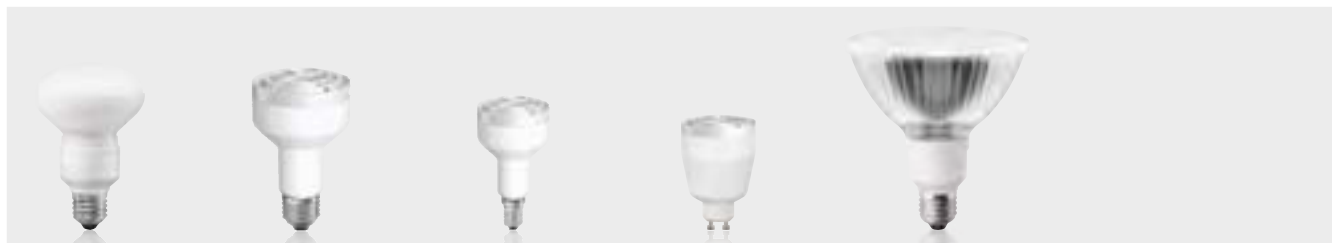
Energy-saving lamps from OSRAM reduce electricity costs by as much as 80 % compared with light bulbs of the same brightness, and last up to 15 times longer. OSRAM compact fluorescent lamps are not only extremely durable and economical they are also exceptionally versatile.

Thanks to the wide variety of shapes, sizes and wattages you can offer your customers a complete range covering every requirement and application in the home. Classic OSRAM DULUX® pin-base lamps are the ideal compact alternative to fluorescent lamps.

COMPACT FLUORESCENT LAMPS/ENERGY-SAVING LAMPS



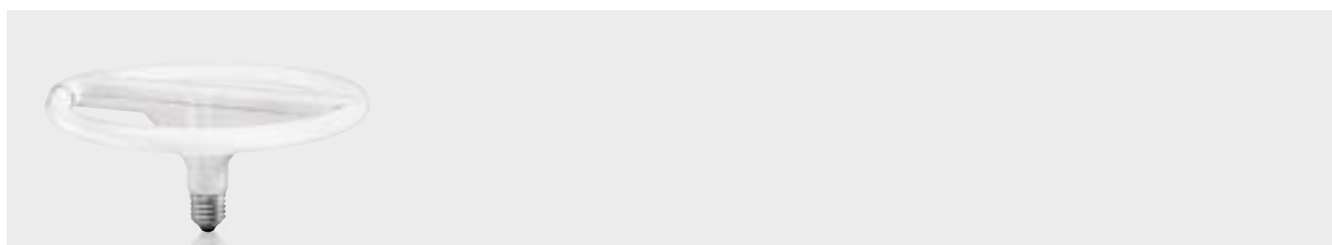
Classic shapes.



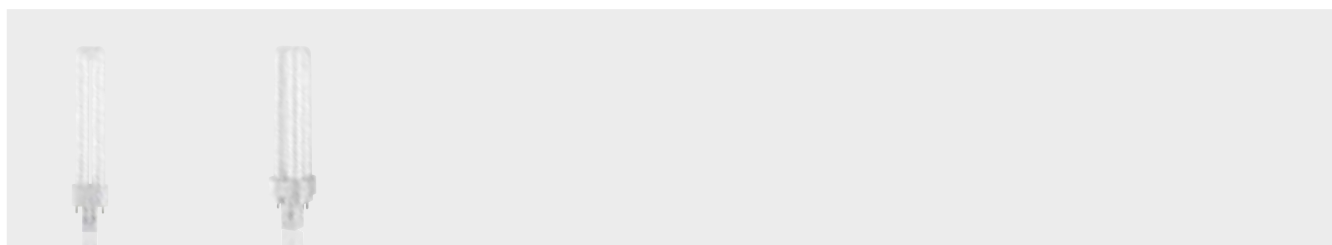
Spotlight lamps.



Tubular.



CIRCOLUX®



Pin-base lamps.

OSRAM DULUX® SUPERSTAR

Innovative optimum quality – for particularly demanding applications.

This lamp meets the highest demands in terms of durability and quality and is manufactured using the latest technical processes:

- Life of up to 10 years¹
- 5 year guarantee³
- Up to 80 % lower energy consumption and CO₂ emissions compared with ordinary light bulbs
- Patented QUICK START technology
- With E14 and E27 bases
- From 5 to 24 W

OSRAM DULUXSTAR®

High quality – for everyday applications.

OSRAM DULUXSTAR® is the ideal energy-saving solution for everyday use. A high proportion of miniature versions ensures that even very small luminaires become big energy savers:

- Life of up to 6 years²
- 3 year guarantee³
- Up to 80 % lower energy consumption and CO₂ emissions compared with ordinary light bulbs
- Wide range of shapes
- With E14 and E27 screw bases and GU10 base
- From 5 to 30 W

Paper instead of plastic: the environmentally friendly eco-blister packs from OSRAM.

The new packaging for OSRAM energy-saving lamps are made entirely of cardboard. They are easier to recycle, reduce the volume of waste and offer you and your customers a number of other benefits:

- Clear view of the product, good protection, attractive shape – just like conventional plastic blister packs
- Suitable for hanging on hooks or placing on shelves – greater flexibility for arranging on shelving or special displays
- PLUS: an opportunity to make an active contribution to environmental protection

More than just savings: the intelligent multitasking OSRAM DULUX® EL.

At OSRAM your customers will also find energy-saving lamps for special applications. There are intelligent energy-saving lamps for example which are unaffected by on/off switching, ones which can be dimmed and ones which have an integrated LED night light or daylight sensor.

Automatically switches on at dusk and off again at dawn.



Integrated 2-stage dimmer function. Bright light or cozy atmospheric light at the flick of a switch (with up to 60 % lower power consumption).



*Infinitely variable dimming (from 7 % to 100 %).
Infinite dimming possible.*



Extremely high number of on/off operations: Heavy-duty switching for lighting systems with motion sensors or automatic time switches.



Thanks to the integrated LED this lamp can also serve as an orientation and decoration lamp.



Energy-saving lamp for 12 V dc voltage, developed primarily for use with solar power systems and for use with batteries.



Lamps with this symbol have been equipped with a technology developed and patented by OSRAM. It offers faster starting than is the case with conventional energy-saving lamps. The lamps provide light as soon as they are switched on.



¹ Corresponds to 10,000 hours if used for about 2.7 hours each day

² Corresponds to 6,000 hours if used for about 2.7 hours each day

³ If an OSRAM DULUX® SUPERSTAR/OSRAM DULUXSTAR® fails within 5 years/3 years of the date of purchase because of a product fault the purchaser will receive a replacement free of charge, provided the lamp was not being used for commercial purposes. If the lamp should fail, send it back to OSRAM together with the sales receipt. This does not in any way affect your statutory rights. OSRAM GmbH, www.osram.com/guarantee

Seven myths about compact fluorescent lamps.



“... take too long to reach full brightness”

This statement does not apply to OSRAM. OSRAM DULUX® SUPERSTAR lamps are equipped with patented QUICK START technology, and OSRAM DULUX® EL CONCENTRA and OSRAM DULUX® EL LL CLASSIC A lamps are instantly bright thanks to Power Induction.

“... cannot be dimmed”

OSRAM has launched infinitely dimmable energy-saving lamps with its OSRAM DULUX® EL DIM range. Please note that normal energy-saving lamps cannot be used with dimmer switches.

“... produce a cold light”

How “warm” or “cold” the light is depends on the color temperature. OSRAM DULUX® SUPERSTAR and OSRAM DULUXSTAR® lamps are available in the customary warm white color with a color temperature of 2700 K. This is similar to the light from an ordinary light bulb so it is ideal for use in the home.

“... are much more expensive than ordinary light bulbs”

If you compare the purchase prices, then an ordinary light bulb is certainly cheaper than an energy-saving lamp. But because energy-saving lamps consume far less electricity they are much cheaper in the long run. A 100 W light bulb

costs a little less than one euro, whereas an energy-saving lamp of comparable brightness (21 W) costs seven euros. OSRAM DULUXSTAR® lamps for example will burn for 6,000 hours (OSRAM DULUX® SUPERSTAR 10,000 hours); ordinary light bulbs only last 1000 hours. In this case, six light bulbs would have to be purchased one after the other to provide the same service life as a single energy-saving lamp. In addition, an OSRAM DULUXSTAR® lamp saves around 134.00 euros in electricity costs over its entire life.

“... have an unattractive tubular shape and will not fit in all luminaires”

OSRAM energy-saving lamps are available not only in the familiar tubular shape but also in bulb, candle, reflector and the new Twist versions.

“... should be left on all the time rather than being frequently switched on and off”

The number of times the lights are switched on and off in the home is no problem at all for OSRAM energy-saving lamps and will not shorten their lives. Constantly switching them on and off for hours and hours on end may shorten their lives.

“... flicker”

OSRAM lamps do not flicker. The integrated electronic control gear sees to this.