



# Retail programme 2003/2004

SEE THE WORLD IN A NEW LIGHT

**OSRAM**



# OSRAM offers brilliant benefits!

**Dear Sir/Madam,**

OSRAM, the lighting specialist, is one of the largest lamp manufacturers in the world. Our innovative products and lighting solutions are welcomed by customers in more than 140 countries – for their economical use of energy, greater comfort, longer life, environmental friendliness and new aesthetics.

This catalogue presents our complete range of lamps and luminaires for the retail sector, with all the important information you need, such as characteristic features and applications, technical data, order references and answers to frequently asked questions.

It will make it easy for you to impress your customers with your technical expertise and the quality of your advice.

And we will of course do everything to ensure that your customers cannot ignore the OSRAM brand. New strategies and merchandise presentation systems at the POS will make it much easier for consumers to find what they want and will direct them “automatically” to higher-value substitution products.

The results will speak for themselves – a better shopping experience and better light for your customers, and higher turnover and earnings for you.

See for yourself.

**OSRAM GmbH**



# Contents

## Special identification for the various lamps from OSRAM

The packaging colours correspond to different product groups, for example green for compact fluorescent lamps and blue for halogen lamps. These different colours enable customers to find the products they want quickly and easily on the shelf.

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# So many plus points: OSRAM added value strategy

## Greater benefits for your customers. More turnover and earnings for you.

OSRAM offers you a wide range of innovative added value products that are perfectly matched to the needs of the retail sector. Our lamps and luminaires cover all the usual lighting requirements and areas of application that domestic consumers expect – but what really makes them stand out from ordinary lamps is their special extra benefits.



## The advantages of the OSRAM added value concept are obvious:

- Your customers get better light (more economical, brighter, prettier and longer lasting) for all their needs throughout the home.
- With added value lamps from OSRAM, you yourself come across as a lighting expert with an impressive selection and outstanding quality
- This is a simple way of boosting your turnover and your earnings.

*Higher turnover and earnings at the POS.*

# OSRAM merchandising concept



Here's your chance of above-average growth and high earnings – with innovative lamps from OSRAM and a POS presence that will appeal to consumers.

OSRAM Category Management (CM) projects in close cooperation with the retail trade provide the best possible chances of success based on trust.

**The objectives:**

- Increased earnings
- Increased turnover
- Increased sales
- Increase in purchases per outlet

**The references:**

- CM projects with large food retailer in northern Europe
- CM project with large DIY and food retailers in central Europe

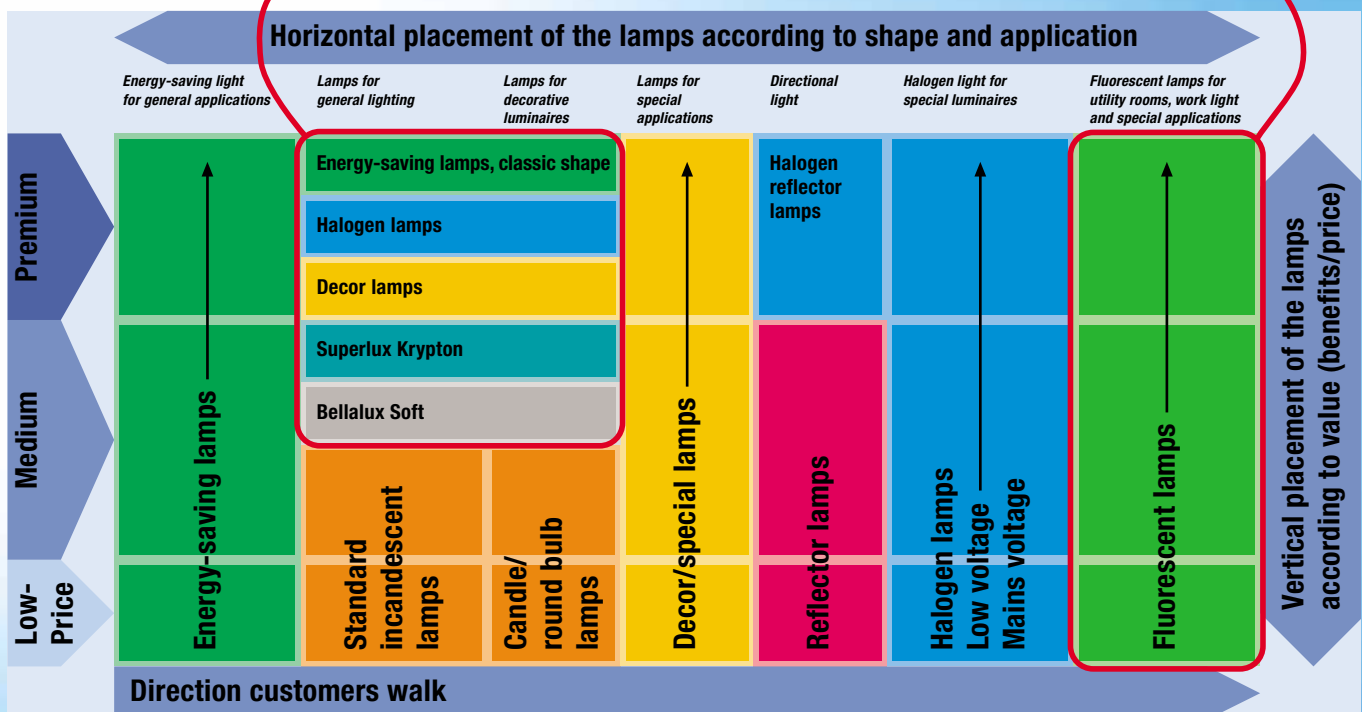
**The key: optimum consumer guidance with OSRAM polePosition**

On average, consumers buy lamps twice a year, with more than 60% of the purchasing decisions being made directly at the POS. They look primarily at the shape of the lamps and bases – as five international consumer studies over the past five years clearly show. OSRAM is taking advantage of these search criteria with its new **polePosition** shelf system, which consumers have “helped” design:

- Horizontal placement of the lamps according to shape and application
- Vertical placement of the lamps according to value (benefits/price)
- Consumer guidance through clear information and orientation elements
- “Automatic” direction towards high-earning added-value products
- Optimum orientation and guidance
- Significant reduction in complexity

*Integrated added value products clearly identified by the colour of the packaging*

*Segmentation into Basic – Comfort – Special through different packaging colours*



Merchandise presentation optimised on the basis of search criteria and added value benefits

**NEW!**

OSRAM *polePOSition*

## Orientation and information elements on the shelf

Get off to a flying start with the new shelf system from OSRAM: *polePOSition*

With the new OSRAM *polePOSition* we are bringing the Power of Light Emotion to the POS. Emotive pictures present light in its most attractive applications – your customers will easily find the right lamps for the right light throughout the home.

The new “OSRAM *polePOSition*” POS concept puts you on the front line of the grid when it comes to consumer-friendly POS furnishings. We offer top presentation for top products in top quality – giving you the best possible chance of top profits.



### **VARIO tester**

Experience light live! Nothing impresses a customer more than seeing light at work. For selected products you can also have mini demonstrations integrated in the shelving to show the technology and special features of the lamp.



**Shelf base information, 2 and 3-dimensional**  
The shelf base information shows the consumer better alternatives.



**POS poster with sample applications**  
Attractively designed posters, visible from a long way away, that guide consumers to the POS and provide initial rapid orientation at the shelf based on application.



**Product brochure**  
The user-friendly brochure provides permanent information and inspiration for customers at the shelf. With the focus on added value products, special lighting ideas and lighting styles are presented in words and pictures using examples from actual practice.



**Shelf stoppers**  
The shelf stoppers name and signal the various product categories in an eye-catching and symbolic way. As consumers are guided by "shape", they find it much easier to find the products they want.

Secondary placements with high impulse buying factor

## Optimum supplement to shelf placement

### Effective displays for higher turnover

Ideal for additional turnover outside the shelves: increases the number of units sold, promotes impulse buying.

### Something new every now and again

OSRAM supports you throughout the year with changing product-related, theme-related or seasonal promotions and campaign material.

Please get in touch with your OSRAM contact or the OSRAM Customer Service Center on (+49 89) 67845-800





# Cross-merchandising solutions

## Strip hanger

Take advantage of your cross-selling potential. For example, as far as the consumer is concerned the OSRAM DULUX® EL SENSOR PLUS belongs in the security section. Cross-merchandising in the luminaire department makes it easy for your customers to find the right replacement lamps for their luminaires. The strip hangers are supplied without lamps.

## Side hanger

Special placement on the side of the header stand. Attention-grabbing extra surface on the shelving boosts sales of special ranges. The side hanger can be tailored to the height of the shelving.



**NEW!**

## The mobile OSRAM luminaire shop

**Ideal as a permanent secondary placement for OSRAM luminaires.**

- Can be flexibly stocked depending on requirements and demand:
  - On both sides with working luminaires
  - Merchandise directly adjacent to demonstration luminaires
  - Demonstrations on the front, merchandise on the back

- With individual dividers, for example for table lights and Minispot
- Can be adapted for use in kitchen, bathroom, office or lighting departments

- With product information cards for greater consumer support
- Extremely flexible arrangements – straight or angled, with access from all sides



*Product information cards for consumers to collect the merchandise*



Energy-saving lamps

# OSRAM DULUX® EL LONGLIFE



**Energy savings: 80%**  
Compared to ordinary light bulbs

- Now with a 10 year guarantee<sup>1)</sup>
- 80% less energy consumption than comparable ordinary light bulbs
- Ideal for continuous lighting
- Universal burning position

## What does “LONGLIFE” mean in connection with the OSRAM DULUX® EL?

Artificial light is normally needed for an average of 3 hours a day, 365 days a year. The average life of an ordinary light bulb is around 1000 hours, giving a service life of almost one year.

The OSRAM DULUX® EL LONGLIFE is manufactured using a modern process that ensures an unusually long life of up to 15,000 hours – corresponding to a service life of almost 15 years.<sup>2)</sup>

## Does frequent on/off switching adversely affect the life of OSRAM DULUX® EL LONGLIFE and OSRAM DULUX® EL CLASSIC lamps?

No. OSRAM uses electronic control gear that ensures immediate starting. This means that frequent on/off switching has no effect on the service life of these high-quality compact fluorescent lamps.

<sup>1)</sup> The lamp will be replaced because of a product fault, provided it was not used for commercial purposes.

<sup>2)</sup> OSRAM provides a 10-year guarantee for LONGLIFE lamps.

## OSRAM compact fluorescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high Cartons/ Layers/ layer	Order unit Order code (EAN)
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### OSRAM DULUX® EL LONGLIFE Tubular



E27						
(F)	DULUX EL LL 23W/827 BL1	23 W	1	20	3 6	4050300 297682
	DULUX EL LL 23W/827 BL1	23 W	1	32	3 6	4050300 537184
(F)	DULUX EL LL 20W/827 BL1	20 W	1	24	3 6	4050300 297651
	DULUX EL LL 20W/827 BL1	20 W	1	36	3 6	4050300 536873
(F)	DULUX EL LL 15W/827 BL1	15 W	1	24	3 6	4050300 297637
	DULUX EL LL 15W/827 BL1	15 W	1	36	3 6	4050300 536859
(F)	DULUX EL LL 11W/827 BL1	11 W	1	30	3 6	4050300 011981
	DULUX EL LL 11W/827 BL1	11 W	1	42	3 6	4050300 536835
(F)	DULUX EL LL 7W/827 BL1	7 W	1	30	3 6	4050300 300337
	DULUX EL LL 7W/827 BL1	7 W	1	42	3 6	4050300 536811
(F)	DULUX EL LL 5W/827 BL1	5 W	1	30	3 6	4050300 405711
	DULUX EL LL 5W/827 BL1	5 W	1	49	3 6	4050300 537146
	DULUX EL LL 20W/827 10X1	20 W	1	24	4 10	4050300 275970
	DULUX EL LL 15W/827 10X1	15 W	1	24	5 10	4050300 275857
	DULUX EL LL 11W/827 10X1	11 W	1	33	5 10	4050300 288833
	DULUX EL LL 7W/827 10X1	7 W	1	33	5 10	4050300 288819
	DULUX EL LL 5W/827 10X1	5 W	1	45	6 10	4050300 357430

B22						
(F)	DULUX EL LL 23W/827 BL1	23 W	1	20	3 6	4050300 147567
(F)	DULUX EL LL 20W/827 BL1	20 W	1	24	3 6	4050300 034478
(F)	DULUX EL LL 15W/827 BL1	15 W	1	24	3 6	4050300 034539
(F)	DULUX EL LL 11W/827 BL1	11 W	1	30	3 6	4050300 147581
(F)	DULUX EL LL 7W/827 BL1	7 W	1	30	3 6	4050300 147604

E14						
(F)	DULUX EL LL 11W/827 BL1	11 W	1	30	3 6	4050300 402840
	DULUX EL LL 11W/827 BL1	11 W	1	42	3 6	4050300 536972
(F)	DULUX EL LL 7W/827 BL1	7 W	1	30	3 6	4050300 093932
	DULUX EL LL 7W/827 BL1	7 W	1	42	3 6	4050300 536491
(F)	DULUX EL LL 5W/827 BL1	5 W	1	30	3 6	4050300 093925
	DULUX EL LL 5W/827 BL1	5 W	1	49	3 6	4050300 536477
	DULUX EL LL 11W/827 10X1	11 W	1	33	5 10	4050300 397900
	DULUX EL LL 7W/827 10X1	7 W	1	33	5 10	4050300 315157
	DULUX EL LL 5W/827 10X1	5 W	1	45	6 10	4050300 314747

### OSRAM DULUX® EL CLASSIC Bulb shape



E27						
	DULUX EL CL A 20W/827 BL1	20 W	1			On request
	DULUX EL CL A 15W/827 BL1	15 W	1	24	3 4	4050300 567488
(F)	DULUX EL CL A 15W/827 BL1	15 W	1	18	3 6	4050300 553702
(F)	DULUX EL CL A 11W/827 BL1	11 W	1	18	3 6	4050300 525303
	DULUX EL CL A 10W/827 BL1	11 W	1	24	3 4	4050300 567440
(F)	DULUX EL CL A 10W/827 BL1	10 W	1	18	3 6	4050300 944074
	DULUX EL CL A 10W/827 BL1	10 W	1	30	3 4	4050300 944098
(F)	DULUX EL CL A 7W/827 BL1	7 W	1	18	3 6	4050300 525266
	DULUX EL CL A 7W/827 BL1	7 W	1	30	3 4	4050300 605272

B22						
(F)	DULUX EL CL A 15W/827 BL1	15 W	1	18	3 6	4050300 177113
(F)	DULUX EL CL A 7W/827 BL1	7 W	1	18	3 6	4050300 176772

### OSRAM DULUX® EL GLOBE



E27						
(F)	DULUX EL GL 20W/827 BL1	20 W	1	9	3 6	4050300 095080
	DULUX EL GL 20W/827	20 W	1	4	4 10	4050300 276274
(F)	DULUX EL GL 15W/827 BL1	15 W	1	10	3 6	4050300 029047
	DULUX EL GL 15W/827	15 W	1	6	5 10	4050300 276175

\* (F): Special product version available only through OSRAM France

# OSRAM compact fluorescent lamps

Country code\*

Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer	Cartons/ Layers/ layer	

## OSRAM DULUX® EL LONGLIFE Candle shape



E14	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
	DULUX EL CL B 7W/827 BLI1	7 W	1	36	3 6	4050300 791685
	DULUX EL CL B 5W/827 BLI1	5 W	1	36	3 4	4050300 905204
Ⓢ	DULUX EL CL B 5W/827 BLI1	5 W	1	24	3 6	4050300 622613



\* Ⓢ: Special product version available only through OSRAM France

## Energy-saving lamps

# OSRAM DULUX® EL ECONOMY



**Energy savings: 75%**  
Compared to ordinary light bulbs

- Now with a 5 year guarantee<sup>1)</sup>
- 75% less energy consumption than comparable ordinary light bulbs
- Low price
- Universal burning position

### Which compact fluorescent lamp is the most economical?

The best savings are made when conventional high-wattage light bulbs are replaced with energy-saving lamps; for example a 120 W light bulb with an OSRAM DULUX® EL LONGLIFE 23 W.

For long-term savings we recommend you use compact fluorescent lamps designed specifically for longer life, such as OSRAM DULUX® EL LONGLIFE. If you're looking for a fast payback time, you should choose the OSRAM DULUX® EL ECONOMY. If used for an average of three hours a day, an ECONOMY 21 W lamp will pay for itself in just one and a half years.

### Is it true that a fitting designed to take no more than a 40 W light bulb can take a compact fluorescent lamp with an output that corresponds to that of a 120 W light bulb?

Yes. The restrictions on the wattage of the light bulb relate to the heat resistance of the fitting. Compact fluorescent lamps produce far less heat than ordinary light bulbs. An ordinary 120 W light bulb corresponds to a 23 W compact fluorescent lamp.

<sup>1)</sup> The lamp will be replaced because of a product fault, provided it was not used for commercial purposes.

## OSRAM compact fluorescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
				Cartons/ Layers/ layer		

### OSRAM DULUX® EL ECONOMY

#### Tubular



E27						
	DULUX EL ECO 21W/827	21 W	1	24	4	10 4050300 457161
Ⓢ	DULUX EL ECO 21W/827 BLI1	21 W	1	36	3	6 4050300 186788
	DULUX EL ECO 16W/827	16 W	1	24	5	10 4050300 457109
Ⓢ	DULUX EL ECO 16W/827 BLI1	16 W	1	36	3	6 4050300 186726
	DULUX EL ECO 12W/827	12 W	1	33	5	10 4050300 457086
	DULUX EL ECO 8W/827	8 W	1	33	5	10 4050300 457147

#### B22

Ⓢ	DULUX EL ECO 21W/827 BLI1	21 W	1	36	3	6 4050300 186740
Ⓢ	DULUX EL ECO 16W/827 BLI1	16 W	1	36	3	6 4050300 186764

#### E14

Ⓢ	DULUX EL ECO 12W/827 BLI1	12 W	1	50	3	6 4050300 199634
	DULUX EL ECO 12W/827	12 W	1	33	5	10 4050300 529486
	DULUX EL ECO 8W/827	8 W	1	33	5	10 4050300 518763

### OSRAM DULUX® EL ECONOMY CLASSIC

#### Bulb shape



E27						
	DULUX EL ECO 16W/827**	16 W	1	14	5	10 4050300 533117
Ⓢ	DULUX EL ECO 16W/827 CLASSIC BLI1**	16 W	1	36	3	6 4050300 906126
	DULUX EL ECO 15W/827 BLI1	15 W	1			4050300 788647
	DULUX EL ECO 12W/827**	12 W	1	15	5	10 4050300 533094
	DULUX EL ECO 10W/827 BLI1	10 W	1			4050300 788586
	DULUX EL ECO 8W/827**	8 W	1	15	5	10 4050300 533070
	DULUX EL ECO 7W/827 BLI1	7 W	1			4050300 788524
	DULUX EL ECO 5W/827 BLI1	5 W	1			4050300 788463

#### B22

Ⓢ	DULUX EL ECO 16W/827 CLASSIC BLI1**	16 W	1	36	3	6 4050300 906102
	DULUX EL ECO 15W/827 BLI1	15 W	1			4050300 788883
	DULUX EL ECO 10W/827 BLI1	10 W	1			4050300 788821
	DULUX EL ECO 7W/827 BLI1	7 W	1			4050300 788760
	DULUX EL ECO 5W/827 BLI1	5 W	1			4050300 788708

### OSRAM DULUX® EL ECONOMY CLASSIC

#### Candle shape



#### E14

	DULUX EL ECO CL B 9W/827 BLI1	9 W	1			6 4050300 789064
	DULUX EL ECO CL B 7W/827 BLI1	7 W	1			6 4050300 789002
	DULUX EL ECO CL B 5W/827 BLI1	5 W	1			6 4050300 788944

### OSRAM DULUX® EL ECONOMY GLOBE



#### E27

	DULUX EL ECO GL 21W/827	21 W	1	4	4	10 4050300 532301
	DULUX EL ECO GL 16W/827	16 W	1	6	5	10 4050300 532288

\* Ⓢ: Special product version available only through OSRAM France  
\*\* Will be withdrawn at the end of 2003

Energy-saving lamps

# OSRAM DULUX® EL Special



## Additional information

### All the benefits of the OSRAM DULUX® EL Special

#### Which compact fluorescent lamp produces the most light?

The CIRCOLUX® EL, a ring-shaped compact fluorescent lamp with an output of 24 W and a luminous flux of 1700 lm. By comparison, you would need four 40 W light bulbs to produce the same amount of light, but they would consume six times the amount of electricity.



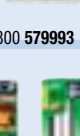
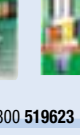






#### Does the fact that the dimming sensor in the OSRAM DULUX® EL SENSOR PLUS is extremely close to the light source affect the way it works?

Not at all. The built-in dimming sensor only reacts to infra-red light and not to the light from the lamp itself. OSRAM DULUX® EL SENSOR PLUS can even be used in fittings with frosted glass.

#### Don't the additional functions of the OSRAM DULUX® EL SENSOR PLUS and OSRAM DULUX® EL VARIO reduce their life?

No, both the OSRAM DULUX® EL VARIO and the OSRAM DULUX® EL SENSOR PLUS are manufactured in LONGLIFE technology. This gives an average life that is 15 times longer than that of an ordinary light bulb. Even frequent on/off switching does not affect their life.

## OSRAM compact fluorescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette		Order unit	Order code (EAN)
				max.1.05 high	Cartons/ Layers/ layer		
<b>OSRAM DULUX® EL SENSOR PLUS</b>							
							
							
							
							
	<b>E27</b>						
	DULUX EL SENSOR 15W/827 BL1	15 W	1	17	3	10	4050300 579993
<b>OSRAM DULUX® EL VARIO</b>							
							
							
							
	<b>E27</b>						
	DULUX VARIO 23W BL1	23 W	1	24	3	6	4050300 519623
	DULUX VARIO 23W 10X1	23 W	1	16	4	10	4050300 512488
<b>CIRCOLUX® EL</b>							
							
							
							
	<b>E27</b>						
Ⓢ	CIRCOLUX EL 24W/827 BL1	24 W	1	8	3	4	4050300 922751
	CIRCOLUX EL 24W/827 4X1	24 W	1	6	4	4	4050300 626628



\* Ⓢ: Special product version available only through OSRAM France

## Energy-saving lamps

# Compact fluorescent lamps with pin bases



- Particularly compact dimensions
- Ideal for creative luminaire designs and modern lighting systems
- Same light colours as with tubular fluorescent lamps

### What is special about OSRAM DULUX® S and D?

Both lamps are equipped with conventional control gear for long life and energy-saving operation. Both offer excellent quality of light. OSRAM DULUX® S lamps are ideal for low-profile wall and ceiling luminaires and modern lighting systems.

OSRAM DULUX® D lamps with light bulb dimensions are ideal for shallow luminaires.

### Are there any space-saving alternatives to fluorescent lamps but which provide just as much light?

Yes. OSRAM DULUX® L and F are much shorter than tubular fluorescent lamps and produce about the same luminous flux. OSRAM DULUX® L is less than half as long – and the particularly low-profile OSRAM DULUX® F is only half as long as the OSRAM DULUX® L. Both lamps can be used as part of compact lighting solutions that fit perfectly in modern louvre ceilings. OSRAM DULUX® L and F lamps can be operated conventionally or electronically.

## OSRAM compact fluorescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette		Order unit	Order code (EAN)
				max. 1.05 high	Cartons/ Layers/ layer		

### OSRAM DULUX® S for CCGs



#### G23

Ⓢ	DULUX S 11W/827 BL11	11 W	1	22	7	10	4050300 006109
Ⓢ	DULUX S 9W/827 BL11	9 W	1	33	7	10	4050300 006093

### OSRAM DULUX® D for CCGs



#### G24d

	DULUX D 26W/827 10X1	26 W	1	56	4	10	4050300 011912
	DULUX D 18W/827 10X1	18 W	1	56	4	10	4050300 011462
	DULUX D 18W/840 10X1	18 W	1	56	4	10	4050300 012056
	DULUX D 13W/827 10X1	13 W	1	56	5	10	4050300 008127
	DULUX D 13W/840 10X1	13 W	1	56	5	10	4050300 010625
	DULUX D 10W/827 10X1	10 W	1	56	6	10	4050300 008110

### OSRAM DULUX® L



#### 2G11

	DULUX L 36W/827 10X1	36 W	1	10	8	10	4050300 010809
	DULUX L 24W/827 10X1	24 W	1	16	8	10	4050300 010779
	DULUX L 18W/827 10X1	18 W	1	24	8	10	4050300 010748
	DULUX L 36W/840 10X1	36 W	1	10	8	10	4050300 010786
	DULUX L 24W/840 10X1	24 W	1	16	8	10	4050300 010755

### OSRAM DULUX® F



#### 2G10

	DULUX F 24W/827 10X1	24 W	1	16	8	10	4050300 333625
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\* Ⓢ: Special product version available only through OSRAM France



## Halogen reflector lamps

# DECOSTAR® LONGLIFE



- Our brightest low-voltage halogen reflector lamps
- Extra long life of 4 years\*
- Brilliant halogen light in a large selection of beam angles and wattages
- Bright accent lighting creates atmosphere and is ideal for highlighting objects and zones

### Why do DECOSTAR® halogen lamps have reflectors with different beam angles?

Each beam angle fulfils a different purpose:

- 10° for precise tightly focused lighting of objects (such as pictures on a wall)
- 38° for accent lighting (for example in office luminaires or furniture lighting, or for lighting shelving)
- 60° for general lighting (for example on ceiling panelling)

### What does “LONGLIFE” mean in connection with the OSRAM DECOSTAR® LONGLIFE?

Artificial light is normally used on average for three hours a day, 365 days a year. The average life of an ordinary light bulb is around 1000 hours, giving a service life of almost one year. If used for three hours a day, a DECOSTAR® LONGLIFE lamp will last on average for 4 years. The high-performance lamp with twice the average life and more light than DECOSTAR® ECONOMY.

\* Average life at 3h/day

## OSRAM halogen lamps

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer	Icons palette	

### DECOSTAR® 51 LONGLIFE 51 mm – 12 V



#### GU5,3

46870 VWFL BLI1 – 60°	50 W	1	12	6	10	4050300 193816
46865 VWFL BLI1 – 60°	35 W	1	12	6	10	4050300 193793
46860 VWFL BLI1 – 60°	20 W	1	12	6	10	4050300 193779
46870 WFL BLI1 – 38°	50 W	1	12	6	10	4050300 193755
46865 WFL BLI1 – 38°	35 W	1	12	6	10	4050300 193717
46860 WFL BLI1 – 38°	20 W	1	12	6	10	4050300 193670
46870 SP BLI1 – 10°	50 W	1	12	6	10	4050300 193731
46865 SP BLI1 – 10°	35 W	1	12	6	10	4050300 193694
46860 SP BLI1 – 10°	20 W	1	12	6	10	4050300 193656

### DECOSTAR® 35 LONGLIFE 35 mm – 12 V



#### GU4

46892 WFL BLI1 – 38°	35 W	1	16	6	10	4050300 589268
46890 WFL BLI1 – 38°	20 W	1	16	6	10	4050300 589220
46892 SP BLI1 – 10°	35 W	1	16	6	10	4050300 589244
46890 SP BLI1 – 10°	20 W	1	16	6	10	4050300 589206



### DECOSTAR® LONGLIFE



**Average lamp life of 4 years\***  
**Single pack**

Halogen reflector lamps

# DECOSTAR® ECONOMY HALOSPOT® 111



- Bright halogen light
- Long life
- General domestic applications
- Accent lighting improves the quality of living

### Where can DECOSTAR® halogen lamps be used?

Throughout the home, and in commercial applications. Ideal for general lighting or accent lighting, depending on the beam angle. If used for three hours a day, a DECOSTAR® ECONOMY lamp will last on average for 2 years.



## OSRAM halogen lamps

Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)	
			Cartons/ Layers/ layer			
<b>DECOSTAR® 51 ECONOMY</b>						
<b>51 mm – 12 V</b>						
<b>GU5,3</b>						
44870 WFL BLI2 – 38°	50 W	2	12	6	10	4050300 588773
44865 WFL BLI2 – 38°	35 W	2	12	6	10	4050300 588698
44860 WFL BLI2 – 38°	20 W	2	12	6	10	4050300 588612
44870 SP BLI2 – 10°	50 W	2	12	6	10	4050300 588735
44865 SP BLI2 – 10°	35 W	2	12	6	10	4050300 588650
44860 SP BLI2 – 10°	20 W	2	12	6	10	4050300 588575

### DECOSTAR® 35 ECONOMY

35 mm – 12 V

<b>GU4</b>							
44892 WFL BLI2 – 38°	35 W	2	16	6	10	4050300 588872	
44890 WFL BLI2 – 38°	20 W	2	16	6	10	4050300 588810	
44892 SP BLI2 – 10°	35 W	2	16	6	10	4050300 588858	
44890 SP BLI2 – 10°	20 W	2	16	6	10	4050300 588834	

### HALOSPOT® 111

<b>G53</b>							
41832 FL – 24°	35 W	1	16	6	6	4050300 335766	
41835 FL – 24°	50 W	1	16	6	6	4050300 011769	

### DECOSTAR® ECONOMY



Average lamp life of 2 years\*  
Twin pack

\* Average life at 3h/day

Miniature halogen lamps

# HALOSTAR®



- Our smallest halogen lamp with powerful light thanks to low-voltage technology
- Extra long life of up to 4 years\*
- Brilliant halogen light
- Point light source for modern luminaires
- HALOSTAR® LONGLIFE with axial filament for optimum positioning in the luminaire reflector

**Where are HALOSTAR® lamps most often used?**

In desktop luminaires and furniture luminaires with built-in reflectors. HALOSTAR® lamps can also be used in open decorative luminaires.

**What does “LONGLIFE” mean in connection with the OSRAM HALOSTAR®?**

Artificial light is normally used on average for three hours a day, 365 days a year. The average life of an ordinary light bulb is around 1000 hours, giving a service life of almost one year.

If used for three hours a day, a HALOSTAR® LONGLIFE lamp will last on average for 4 years.

If used for three hours a day, a HALOSTAR® ECONOMY lamp will last on average for 2 years.

\* Average life at 3h/day

## OSRAM halogen lamps

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer	Cartons/ Layers/ palette	

### HALOSTAR® LONGLIFE 12 V



GY6,35	Wattage	Standard pack	Euro palette	Order unit	Order code (EAN)
64440 S BLI1 – clear	50 W	1	40 6 10	4050300	193892
64432 S BLI1 – clear	35 W	1	40 6 10	4050300	193878
64427 S BLI1 – clear	20 W	1	56 12 10	4050300	358093

### HALOSTAR® ECONOMY 12 V



GY6,35	Wattage	Standard pack	Euro palette	Order unit	Order code (EAN)
64440 BLI2 – clear	50 W	2	40 6 10	4050300	586083
64432 BLI2 – clear	35 W	2	40 6 10	4050300	586144
64440F BLI2 – frosted	50 W	2	40 6 10	4050300	586281
64432F BLI2 – frosted	35 W	2	40 6 10	4050300	586243

### HALOSTAR® LONGLIFE 12 V



G4	Wattage	Standard pack	Euro palette	Order unit	Order code (EAN)
64425 S BLI1 – clear	20 W	1	40 6 10	4050300	193854
64415 S BLI1 – clear	10 W	1	40 6 10	4050300	193830
64405 S BLI1 – clear	5 W	1	35 6 20	4050300	386133

### HALOSTAR® ECONOMY 12 V



G4	Wattage	Standard pack	Euro palette	Order unit	Order code (EAN)
64425 BLI2 – clear	20 W	2	40 6 10	4050300	586021
64415 BLI2 – clear	10 W	2	40 6 10	4050300	586489
64425F BLI2 – frosted	20 W	2	40 6 10	4050300	586205
64415F BLI2 – frosted	10 W	2	40 6 10	4050300	586427

### HALOSTAR® LONGLIFE



Average lamp life of 4 years\*  
Single pack

### HALOSTAR® ECONOMY



Average lamp life of 2 years\*  
Twin pack

Double-ended tungsten-halogen lamps  
for mains voltage

# HALOLINE®



- **Brilliant halogen light**
- **Extra long life**
- **Ideal for emphasising and accenting the structure of a room through indirect lighting**
- **Robust halogen lamp based on innovative technology**
- **Comprehensive range for a wide variety of applications**

### Other benefits of HALOLINE® lamps

HALOLINE® lamps can be operated directly on mains voltage. There is no need for transformers. They can be dimmed, and despite their compact dimensions they offer much more light than standard incandescent lamps.

### Where are HALOLINE® lamps used?

They are ideal for indirect lighting in wallwashers and ceiling uplighters. They are also used in countless applications for highlighting objects. Floodlights are another area of application.

\* Average life at 3h/day

## OSRAM halogen lamps

Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer	Layers/ palette	
<b>HALOLINE® LONGLIFE 114 mm</b>					
64702 BLI1	500 W	1	40	7 10	4050300 590158
64701 BLI1	300 W	1	40	7 10	4050300 587974
64698 BLI1	200 W	1	40	7 10	4050300 587998
64696 BLI1	150 W	1	40	7 10	4050300 588094
<b>HALOLINE® LONGLIFE 74.9 mm</b>					
64695 BLI1	150 W	1	40	7 10	4050300 588070
64690 BLI1	100 W	1	40	7 10	4050300 588056
64688 BLI1	60 W	1	40	7 10	4050300 588414
<b>HALOLINE® ECONOMY 114 mm</b>					
64706 BLI2	500 W	2	40	7 20	4050300 194943
64705 BLI2	300 W	2	40	7 20	4050300 194929
64699 BLI2	200 W	2	40	7 20	4050300 194905
64693 BLI2	150 W	2	40	7 20	4050300 194882
64691 BLI2	100 W	2	40	7 20	4050300 194868

### HALOLINE® LONGLIFE



Average lamp life of 2 years\*  
Single pack

### HALOLINE® ECONOMY



Average lamp life of 1 year\*  
Twin pack

Halogen lamps with G9 bases

**HALOPIN®**



- HALOPIN® – the future is here
- Innovative, bright and compact
- Unique prize-winning lamp design

**What is special about HALOPIN®?**

OSRAM continues to set trends with HALOPIN®, a highly innovative lamp. This miniature halogen lamp does not need a transformer and is suitable for:

- attractive luminaires, with or without shields
- luminaires of modern design
- luminaires with the G9 base holder system

**It offers the familiar benefits of halogen but with a further reduction in the size of the lamp:**

- Longer life
- Brilliant white light that brings out the colours of the interior decor
- Dimmable
- Suitable for anywhere in the home
- Patented design with bulb pinch technology



Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer	Icons	

**HALOPIN® ECONOMY**



G9	Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
	66640 AM BLI2 – frosted	40 W	2	40	6 10	4050300 780221
	66625 AM BLI2 – frosted	25 W	2	40	6 10	4050300 780184

**HALOPIN® LONGLIFE<sup>1)</sup>**



G9	Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
	66640 BLI1 – clear	40 W	1	40	6 10	4050300 905747
	66625 BLI1 – clear	25 W	1	40	6 10	4050300 905709
	66640 AM BLI1 – frosted	40 W	1	40	6 10	4050300 905761
	66625 AM BLI1 – frosted	25 W	1	40	6 10	4050300 905723

<sup>1)</sup> Will be withdrawn at the end of 2003



Halogen lamps with large and small  
E27/E14 screw bases

**HALOLUX®**



- Brilliant bright halogen light in no time at all
- Direct replacement for standard incandescent lamps
- Long life of 2 years\*
- Available in various modern and elegant bulb shapes

HALOLUX® lamps are particularly suitable for replacing standard incandescent lamps because they produce either more light from the same power consumption or the same light from less energy and also last up to twice as long on average.

**Can you simply replace ordinary light bulbs with halogen lamps?**














Yes if the voltage, output and bases are identical.

**What are the benefits of replacing ordinary light bulbs with halogen lamps?**

- Up to 25% more light from the same wattage
- Twice the average life
- Vibrant colours in brilliant white halogen light throughout the home
- Decorative shapes and more compact dimensions

\* Average life at 3h/day

**OSRAM halogen lamps**

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Cartons/ Layers/ layer	Order unit	Order code (EAN)
<b>HALOLUX® BT LONGLIFE</b>							
							
	<b>E27</b>						
	64478 BT SIL BLI1 – frosted	150 W	1	10	6	10	4050300 599489
	64476 BT SIL BLI1 – frosted	100 W	1	10	6	10	4050300 588513
	64472 BT SIL BLI1 – frosted	60 W	1	10	6	10	4050300 588490
	64470 BT SIL BLI1 – frosted	40 W	1	10	6	10	4050300 598154
	64478 BT BLI1 – clear	150 W	1	10	6	10	4050300 599465
	64476 BT BLI1 – clear	100 W	1	10	6	10	4050300 588452
	64472 BT BLI1 – clear	60 W	1	10	6	10	4050300 588438
	64470 BT BLI1 – clear	40 W	1	10	6	10	4050300 588957
	<b>B22d</b>						
(F)	64472 BT SIL BLI1	60 W	1	10	6	10	4050300 600109
(F)	64476 BT SIL BLI1	100 W	1	10	6	10	4050300 600123
<b>HALOLUX® HC LONGLIFE</b>							
							
	<b>E14</b>						
	64862 HC BLI1	60 W	1	16	6	10	4050300 588476
	64861 HC BLI1	40 W	1	16	6	10	4050300 588537
	64860 HC BLI1	25 W	1	16	6	10	4050300 588933
<b>HALOLUX® CF LONGLIFE</b>							
							
	<b>E14</b>						
	64861 CF BLI1	40 W	1	16	6	10	4050300 588797
	64860 CF BLI1	25 W	1	16	6	10	4050300 602240
<b>HALOLUX® T LONGLIFE</b>							
							
	<b>E14</b>						
	64862T BLI1	60 W	1	20	6	10	4050300 600048
	64861T BLI1	40 W	1	20	6	10	4050300 600024
<b>HALOGEN GLOBE LONGLIFE</b>							
							
	<b>E27</b>						
(F)	HAL GL 95 BLI1	100 W	1	4	5	10	4050300 906720
(F)	HAL GL 95 BLI1	60 W	1	4	5	10	4050300 906706
<b>HALOGEN REFLECTEUR</b>							
							
	<b>E27</b>						
(F)	HAL R80 BLI1	100 W	1	6	6	10	4050300 906805
(F)	HAL R80 BLI1	60 W	1	6	6	10	4050300 906782
<b>HALOGEN BW FR</b>							
							
	<b>E14</b>						
(F)	HAL FL 0G BLI1	60 W	1	10	6	10	4050300 906744
(F)	HAL FL 0G BLI1	40 W	1	10	6	10	4050300 906768

\* (F): Special product version available only through OSRAM France

Halogen reflector lamps with large and small E27/E14 screw bases

# HALOPAR®



- Brilliant halogen light with attractive reflector optics
- For enchanting effects and accents through the interplay between light and shadow
- The high-quality halogen alternative to conventional spotlight lamps

## Is there an incandescent lamp that is comparable to the HALOPAR®?

HALOPAR® 16 with the small E14 bases replaces small spotlight lamps (R50).

HALOPAR® 20 (50 W) and HALOPAR® 30 (75 W) replace standard spotlight lamps (R63 and R95).

## What are the particular benefits of HALOPAR®?

- Brilliant bright halogen light
- Longer life
- Energy savings compared to standard spotlight lamps
- HALOPAR® lamps are available in several beam angles

## What do ALU and COOL BEAM mean?

– The faceted aluminium reflector sends the heat out forwards. Lamps with ALU reflectors are therefore perfect for use in heat-sensitive luminaires.



– In decorative shimmering COOL BEAM reflector lamps most of the heat radiates from the back of the reflector. This means that heat-sensitive objects can be illuminated with HALOPAR® lamps.



## OSRAM halogen lamps

Article designation	Wattage	Standard pack	Euro pallet max. 1.05 high	Order unit	Order code (EAN)	
			Cartons/ Layers/ layer	Cartons/ Layers/ palette		
<b>HALOPAR® 30 ALU LONGLIFE 97 mm</b>						
E27						
64841 SP – 10°	75 W	1	4	5	15	4050300 338460
64841 FL – 30°	75 W	1	4	5	15	4050300 338484
<b>HALOPAR® 20 LONGLIFE 64.5 mm</b>						
E27						
64836 FL Cool Beam BLI1 – 30°	50 W	1	8	6	10	4050300 589145
64832 SP Alu BLI1 – 10°	50 W	1	8	6	10	4050300 589169
<b>HALOPAR® 16 ALU ECONOMY 50.7 mm</b>						
E14						
64822 FL BLI2 – 40°	40 W	2	12	6	10	4050300 659527
<b>HALOPAR® 16 COOL BEAM LONGLIFE 50.7 mm</b>						
GZ10						
64826 FL BLI1 – 40°	50 W	1	12	6	10	4050300 568256
<b>HALOPAR® 16 ALU ECONOMY 50.7 mm</b>						
GU10						
64824 FL ALU BLI2 – 40°	50 W	2	12	6	10	4050300 663326
64820 FL ALU BLI2 – 40°	35 W	2	12	6	10	4050300 727172



Incandescent lamps with krypton technology

# SUPERLUX® KRYPTON



- Up to 10% more light\*
- Glare-free
- Decorative shapes

## Where is it best to use SUPERLUX® KRYPTON lamps?

Wherever more light is required from the same wattage but with reduced glare:

- for reading
- for working
- for hobbies and DIY

## What is special about SUPERLUX® KRYPTON?

SUPERLUX® KRYPTON produce up to 10% more light than conventional incandescent lamps and also have an interesting decorative shape further more a special white coating on the lamp ensures glare-free light.

## OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)

### SUPERLUX® KRYPTON E shape/mushroom



E27						
	SUPER E SIL 100	100 W	1	4	4	100 4050300 060286
	SUPER E SIL 75	75 W	1	4	4	100 4050300 060279
	SUPER E SIL 60	60 W	1	6	4	100 4050300 060262
	SUPER E SIL 40	40 W	1	6	4	100 4050300 060255
	SUPER E SIL 25	25 W	1	6	4	100 4050300 165929
Ⓢ	SUPER E SIL 100 BLI2	100 W	2	10	6	10 4050300 092607
Ⓢ	SUPER E SIL 75 BLI2	75 W	2	10	6	10 4050300 092591
Ⓢ	SUPER E SIL 60 BLI2	60 W	2	10	6	10 4050300 092584
Ⓢ	SUPER E SIL 40 BLI2	40 W	2	10	6	10 4050300 092577
B22						
Ⓢ	SUPER E SIL 100 BLI2	100 W	2	10	6	10 4050300 061740
Ⓢ	SUPER E SIL 75 BLI2	75 W	2	10	6	10 4050300 061757
Ⓢ	SUPER E SIL 60 BLI2	60 W	2	10	6	10 4050300 061733
Ⓢ	SUPER E SIL 40 BLI2	40 W	2	10	6	10 4050300 061726

### SUPERLUX® KRYPTON B shape/candle



B22						
Ⓢ	SUPER B SIL 60 BLI2	60 W	2	18	6	10 4050300 062594
Ⓢ	SUPER B SIL 40 BLI2	40 W	2	18	6	10 4050300 062587
E14						
	SUPER B SIL 60	60 W	1	12	8	50 4050300 060477
	SUPER B SIL 40	40 W	1	12	8	50 4050300 060415
	SUPER B SIL 25	25 W	1	12	8	50 4050300 062501
Ⓢ	SUPER B SIL 60 BLI2	60 W	2	18	6	10 4050300 061870
Ⓢ	SUPER B SIL 40 BLI2	40 W	2	18	6	10 4050300 061818
Ⓢ	SUPER B SIL 25 BLI2	25 W	2	18	6	10 4050300 061849



\* By comparison with an ordinary light bulb.

\* Ⓢ: Special product version available only through OSRAM France



# OSRAM incandescent lamps

Country code\*

Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
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## SUPERLUX® KRYPTON BW shape/twisted candle



**E14**

SUPER BW SIL 60	60 W	1	12	8	50	4050300 066264
SUPER BW SIL 40	40 W	1	12	8	50	4050300 066257
SUPER BW SIL 25	25 W	1	12	8	50	4050300 066318

Ⓢ SUPER BW SIL 60 BLI2	60 W	2	18	6	10	4050300 066288
Ⓢ SUPER BW SIL 40 BLI2	40 W	2	18	6	10	4050300 066271
Ⓢ SUPER BW SIL 25 BLI2	25 W	2	18	6	10	4050300 066301

## SUPERLUX® KRYPTON P shape/round bulb



**E27**

SUPER P SIL 60	60 W	1	6	10	50	4050300 064765
SUPER P SIL 40	40 W	1	6	10	50	4050300 064758
SUPER P SIL 25	25 W	1	6	10	50	4050300 064741

Ⓢ SUPER P SIL 60 BLI2	60 W	2	16	6	10	4050300 026107
Ⓢ SUPER P SIL 40 BLI2	40 W	2	18	6	10	4050300 064789
Ⓢ SUPER P SIL 25 BLI2	25 W	2	16	6	10	4050300 026060

**B22**

Ⓢ SUPER P SIL 60 BLI2	60 W	2	18	6	10	4050300 062624
Ⓢ SUPER P SIL 40 BLI2	40 W	2	18	6	10	4050300 061986
Ⓢ SUPER P SIL 25 BLI2	25 W	2	18	6	10	4050300 061931

**E14**

SUPER P SIL 60	60 W	1	6	10	50	4050300 060934
SUPER P SIL 40	40 W	1	6	10	50	4050300 060804
SUPER P SIL 25	25 W	1	6	10	50	4050300 062549

Ⓢ SUPER P SIL 60 BLI2	60 W	2	16	5	10	4050300 062631
Ⓢ SUPER P SIL 40 BLI2	40 W	2	16	6	10	4050300 062617
Ⓢ SUPER P SIL 25 BLI2	25 W	2	18	6	10	4050300 062600



\* Ⓢ: Special product version available only through OSRAM France

Lamps with silicated bulbs

# BELLALUX SOFT®



- “Make-up” for the home
- Different pastel shades

## What are the differences between BELLALUX SOFT® lamps and ordinary light bulbs?

- BELLALUX SOFT® lamps differ in the following ways:
- “Soft” opal shimmering light that creates a pleasant atmosphere in the home
  - Decorative shape

## Where are pastel lamps used?

The soft shades of BELLALUX SOFT® lamps underline the character, the colour and the shape of the illuminated objects and make rooms look even more inviting.

- Each shade helps bring out special features of a room:
- Mandarin emphasises “warm” colours and wood tones and creates an atmosphere of comfort
  - Azure emphasises “cold” colours and creates a business-like atmosphere
  - Rosé brings out delicate tones

## OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette		Order unit	Order code (EAN)
				max. 1.05 high	Cartons/ Layers/ layer		

### BELLALUX SOFT® GLOBE white 120 mm, globe lamp



E27							
ⓕ	BELLA G120 SIL BLI1	100 W	1	4	3	10	4050300 092980
ⓕ	BELLA G120 SIL BLI1	60 W	1	4	3	10	4050300 092973
	BELLA G120 SIL 100	100 W	1	4	5	12	4050300 311739
	BELLA G120 SIL 60	60 W	1	4	5	12	4050300 317144
	BELLA G120 SIL 40	40 W	1	4	5	12	4050300 311715

### BELLALUX SOFT® GLOBE white 95 mm, G shape/globe lamp

E27							
ⓕ	BELLA G95 SIL BLI1	100 W	1	6	3	10	4050300 092966
ⓕ	BELLA G95 SIL BLI1	60 W	1	6	3	10	4050300 092959
	BELLA G95 SIL 150	150 W	1	4	6	20	4050300 109763
	BELLA G95 SIL 100	100 W	1	4	6	20	4050300 311692
	BELLA G95 SIL 60	60 W	1	4	6	20	4050300 317120
	BELLA G95 SIL 40	40 W	1	4	6	20	4050300 311678

### BELLALUX SOFT® GLOBE white 80 mm, G shape/globe lamp

E27							
ⓕ	BELLA G80 SIL BLI1	60 W	1	8	3	10	4050300 092942
	BELLA G80 SIL 100	100 W	1	4	6	20	4050300 092287
	BELLA G80 SIL 60	60 W	1	4	6	20	4050300 066721
	BELLA G80 SIL 40	40 W	1	4	6	20	4050300 092263

### BELLALUX SOFT® GLOBE white 60 mm, G shape/globe lamp



E14							
	BELLA G60 SIL 40	40 W	1	6	7	25	4050300 197951
	BELLA G60 SIL 25	25 W	1	6	7	25	4050300 197975

### BELLALUX SOFT® white T60 large shape




E27							
ⓕ	BELLA T60 SIL 100 BLI2	100 W	2	12	6	10	4050300 066417
ⓕ	BELLA T60 SIL 75 BLI2	75 W	2	12	6	10	4050300 066394
ⓕ	BELLA T60 SIL 60 BLI2	60 W	2	12	6	10	4050300 066370
ⓕ	BELLA T60 SIL 40 BLI2	40 W	2	12	6	10	4050300 066356
	BELLA T60 SIL 100	100 W	1	4	4	100	4050300 016849
	BELLA T60 SIL 75	75 W	1	4	4	100	4050300 016832
	BELLA T60 SIL 60	60 W	1	4	4	100	4050300 016825
	BELLA T60 SIL 40	40 W	1	4	4	100	4050300 016818
B22							
ⓕ	BELLA T60 SIL BLI2	100 W	2	12	6	10	4050300 066400
ⓕ	BELLA T60 SIL BLI2	75 W	2	10	5	10	4050300 066387
ⓕ	BELLA T60 SIL BLI2	60 W	2	12	6	10	4050300 066363
ⓕ	BELLA T60 SIL BLI2	40 W	2	12	6	10	4050300 066349

\* ⓕ: Special product version available only through OSRAM France

# OSRAM incandescent lamps

Country code\*

Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer		

## BELLALUX SOFT® pastel T60 large shape



E27 

Ⓢ BELLA T60 AZUR 60 BLI2	60 W	2	12	6	10	4050300 020471
Ⓢ BELLA T60 MAND 60 BLI2	60 W	2	12	6	10	4050300 020532
Ⓢ BELLA T60 ROSE 60 BLI2	60 W	2	12	6	10	4050300 020556
BELLA T60 AZUR 60	60 W	1	9	7	20	4050300 020570
BELLA T60 MAND 60	60 W	1	9	7	20	4050300 020631
BELLA T60 ROSE 60	60 W	1	9	7	20	4050300 020655

## BELLALUX SOFT® pastel B shape/candle



E14 

Ⓢ BLI2 BELLA B AZUR	40 W	2	16	6	10	4050300 026671
Ⓢ BLI2 BELLA B MAND	40 W	2	16	6	10	4050300 026732
Ⓢ BLI2 BELLA B ROSE	40 W	2	16	6	10	4050300 026756

## BELLALUX SOFT® white T45 small shape/round bulb



E14 

Ⓢ BELLA T45 SIL BLI2	40 W	2	18	6	10	4050300 024042
BELLA T45 SIL 40	40 W	1	6	9	50	4050300 024806
BELLA T45 SIL 25	25 W	1	6	9	50	4050300 024790

## BELLALUX SOFT® pastel T45 small shape/round bulb



E27 

Ⓢ BELLA T45 ROSE BLI2	40 W	2	16	6	10	4050300 907512
Ⓢ BELLA T45 MAND BLI2	40 W	2	16	6	10	4050300 907536

E14 

Ⓢ BELLA T45 AZUR 40 BLI2	40 W	2	20	6	10	4050300 023663
Ⓢ BELLA T45 MAND 40 BLI2	40 W	2	20	6	10	4050300 023786
Ⓢ BELLA T45 ROSE 40 BLI2	40 W	2	18	6	10	4050300 023823
BELLA T45 AZUR 40	40 W	1	18	9	20	4050300 024813
BELLA T45 MAND 40	40 W	1	18	9	20	4050300 024844
BELLA T45 ROSE 40	40 W	1	18	9	20	4050300 024851



\* Ⓢ: Special product version available only through OSRAM France

# Classic light bulbs in different shapes



## How does an ordinary light bulb work?

Light is produced in a light bulb when electrical current passes through a fine wire, causing it to glow. Around five percent of the electrical energy consumed is converted into light. The rest is released to the surroundings as heat.

## How long do ordinary light bulbs last?

OSRAM general lighting service (GLS) lamps are designed to achieve an "average life" of 1000 hours (as per the relevant standard). From the statistical point of view, this means that after 1000 hours of operation 50 percent of the lamps are still working. This applies of course only if they are operated at rated voltage (e.g. 230 V).

## Why do some light bulbs last longer than others?

As far as the physics of the light bulb is concerned, there is a direct relationship between the light they give out and how long they last. If more voltage is "pumped" into the filament it will emit more light. However, this will considerably reduce the life of the lamp because the filament material will vaporise faster at this higher temperature, causing the filament to burn through sooner. Conversely, reducing the load on the filament in an ordinary light bulb will increase its service life. Any deviation in the voltage from its rated value up or down will therefore reduce or increase the life of the lamp.

## OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
				Cartons/ Layers/ layer	palette	

### CLASSIC A shape clear/standard



#### E27

Ⓢ	CLAS A CL 100 BLI2	100 W	2	10	6	10	4050300 092676
Ⓢ	CLAS A CL 75 BLI2	75 W	2	10	6	10	4050300 092669
Ⓢ	CLAS A CL 60 BLI2	60 W	2	10	6	10	4050300 092652
Ⓢ	CLAS A CL 40 BLI2	40 W	2	10	6	10	4050300 092645
Ⓢ	CLAS A CL 25 BLI2	25 W	2	10	6	10	4050300 080949
	CLAS A CL 100 M2 Display carton	100 W	2	4	4	50	4050300 009315
	CLAS A CL 75 M2 Display carton	75 W	2	4	4	50	4050300 009247
	CLAS A CL 60 M2 Display carton	60 W	2	4	4	50	4050300 009179
	CLAS A CL 40 M2 Display carton	40 W	2	4	4	50	4050300 009131
	CLAS A CL 25 M2 Display carton	25 W	2	4	4	50	4050300 009063
	CLAS A CL 100 M4	100 W	4	11	4	12	4050300 907598
	CLAS A CL 75 M4	75 W	4	11	4	12	4050300 907574
	CLAS A CL 60 M4	60 W	4	11	4	12	4050300 907697
	CLAS A CL 40 M4	40 W	4	11	4	12	4050300 907673
	CLAS A CL 25 M4	25 W	4	11	4	12	4050300 910482

#### B22

Ⓢ	CLAS A CL 100 BLI2	100 W	2	10	6	10	4050300 061665
Ⓢ	CLAS A CL 75 BLI2	75 W	2	10	6	10	4050300 061641
Ⓢ	CLAS A CL 60 BLI2	60 W	2	10	6	10	4050300 061627
Ⓢ	CLAS A CL 40 BLI2	40 W	2	10	6	10	4050300 061603

### CLASSIC A shape frosted/standard




#### E27

Ⓢ	CLAS A FR 100 BLI2	100 W	2	10	6	10	4050300 092713
Ⓢ	CLAS A FR 75 BLI2	75 W	2	10	6	10	4050300 092706
Ⓢ	CLAS A FR 60 BLI2	60 W	2	10	6	10	4050300 316420
Ⓢ	CLAS A FR 40 BLI2	40 W	2	10	6	10	4050300 316406
	CLAS A FR 150	150 W	1	16	3	20	4050300 007908
	CLAS A FR 100 M2 Display carton	100 W	2	4	4	50	4050300 002729
	CLAS A FR 75 M2 Display carton	75 W	2	4	4	50	4050300 002699
	CLAS A FR 60 M2 Display carton	60 W	2	4	4	50	4050300 002668
	CLAS A FR 40 M2 Display carton	40 W	2	4	4	50	4050300 002637
	CLAS A FR 25 M2 Display carton	25 W	2	4	4	50	4050300 002606
	CLAS A FR 100 M4	100 W	4	11	4	12	4050300 907659
	CLAS A FR 75 M4	75 W	4	11	4	12	4050300 907635
	CLAS A FR 60 M4	60 W	4	11	4	12	4050300 937663
	CLAS A FR 40 M4	40 W	4	11	4	12	4050300 907611
	CLAS A FR 25 M4	25 W	4	11	4	12	4050300 910505

#### B22

Ⓢ	CLAS A FR 100 BLI2	100 W	2	10	6	10	4050300 061672
Ⓢ	CLAS A FR 75 BLI2	75 W	2	10	6	10	4050300 061658
Ⓢ	CLAS A FR 60 BLI2	60 W	2	10	6	10	4050300 061634
Ⓢ	CLAS A FR 40 BLI2	40 W	2	10	6	10	4050300 061610

## OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Cartons/ Layers/ layer	Order unit 	Order code (EAN)
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### CLASSIC B shape/candle clear



#### E14

Ⓢ	CLAS B CL 60 BLI2	60 W	2	18	6	10	4050300 092836
Ⓢ	CLAS B CL 40 BLI2	40 W	2	18	6	10	4050300 092829
Ⓢ	CLAS B CL 25 BLI2	25 W	2	18	6	10	4050300 092812
	CLAS B CL 60 M2 Display carton	60 W	2	12	4	50	4050300 009834
	CLAS B CL 40 M2 Display carton	40 W	2	12	4	50	4050300 002828
	CLAS B CL 25 M2 Display carton	25 W	2	12	4	50	4050300 002781
	CLAS B CL 40 M4	40 W	4	16	4	20	4050300 907987
	CLAS B CL 25 M4	25 W	4	16	4	20	4050300 907963

### CLASSIC B shape/candle frosted



#### B22

Ⓢ	BLI2 CLAS B FR 40	40 W	2	20	6	10	4050300 061832
Ⓢ	BLI2 CLAS B FR 25	25 W	2	20	6	10	4050300 061771

#### E14

Ⓢ	CLAS B FR 60 BLI2	60 W	2	18	6	10	4050300 092867
Ⓢ	CLAS B FR 40 BLI2	40 W	2	18	6	10	4050300 092850
Ⓢ	CLAS B FR 25 BLI2	25 W	2	18	6	10	4050300 092843
	CLAS B FR 60 M2 Display carton	60 W	2	12	4	50	4050300 009865
	CLAS B FR 40 M2 Display carton	40 W	2	12	4	50	4050300 002842
	CLAS B FR 25 M2 Display carton	25 W	2	12	4	50	4050300 002804
	CLAS B FR 40 M4	40 W	4	16	4	20	4050300 937687
	CLAS B FR 25 M4	25 W	4	16	4	20	4050300 908007

### CLASSIC BW shape/candle twisted




#### B22

Ⓢ	CLAS BW FR 40 BLI2 – frosted	40 W	2	18	6	10	4050300 062686
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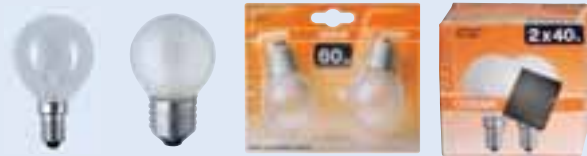
#### E14

Ⓢ	CLAS BW FR 60 BLI2 – frosted	60 W	2	18	6	10	4050300 092904
Ⓢ	CLAS BW FR 40 BLI2 – frosted	40 W	2	18	6	10	4050300 092898
Ⓢ	CLAS BW FR 25 BLI2 – frosted	25 W	2	18	6	10	4050300 092881
Ⓢ	CLAS BW CL 40 BLI2 – clear	40 W	2	18	6	10	4050300 092874
Ⓢ	CLAS BW CL 25 BLI2 – clear	25 W	2	18	6	10	4050300 402963
	CLAS BW CL 60 – clear	60 W	1	12	7	100	4050300 092409
	CLAS BW CL 40 – clear	40 W	1	12	8	50	4050300 005805
	CLAS BW CL 25 – clear	25 W	1	12	8	50	4050300 005768

## OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Cartons/ Layers/ layer	Order unit 	Order code (EAN)
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### CLASSIC P shape/round bulb



#### E27

Ⓢ	CLAS P FR 60 BLI2 – frosted	60 W	2	18	6	10	4050300 092751
Ⓢ	CLAS P FR 40 BLI2 – frosted	40 W	2	18	6	10	4050300 092744
Ⓢ	CLAS P FR 25 BLI2 – frosted	25 W	2	18	6	10	4050300 092737
	CLAS P FR 60 M2 – frosted	60 W	2	25	5	20	4050300 008387
	CLAS P FR 40 M2 – frosted	40 W	2	25	5	20	4050300 002965
	CLAS P FR 25 M2 – frosted	25 W	2	25	5	20	4050300 002941
	CLAS P FR 60 – frosted	60 W	1	6	5	100	4050300 092454
	CLAS P FR 40 – frosted	40 W	1	6	5	100	4050300 322643
	CLAS P FR 25 – frosted	25 W	1	6	5	100	4050300 322612
Ⓢ	CLAS P CL 60 BLI2 – clear	60 W	2	18	6	10	4050300 054094
Ⓢ	CLAS P CL 40 BLI2 – clear	40 W	2	18	6	10	4050300 092720
Ⓢ	CLAS P CL 25 BLI2 – clear	25 W	2	18	6	10	4050300 403298
	CLAS P CL 60 M2 – clear Display carton	60 W	2	25	5	50	4050300 080086
	CLAS P CL 40 M2 – clear Display carton	40 W	2	25	5	50	4050300 080079
	CLAS P CL 25 M2 – clear Display carton	25 W	2	25	5	50	4050300 080062
	CLAS P CL 60 – clear	60 W	1	6	5	100	4050300 092447
	CLAS P CL 40 – clear	40 W	1	6	5	100	4050300 322674
	CLAS P CL 25 – clear	25 W	1	6	5	100	4050300 322704

#### B22

Ⓢ	CLAS P FR 60 BLI2 – frosted	60 W	2	18	6	10	4050300 062662
Ⓢ	CLAS P FR 40 BLI2 – frosted	40 W	2	18	6	10	4050300 061979
Ⓢ	CLAS P FR 25 BLI2 – frosted	25 W	2	18	6	10	4050300 061924
Ⓢ	CLAS P CL 40 BLI2 – clear	40 W	2	18	6	10	4050300 061962

#### E14

Ⓢ	CLAS P FR 60 BLI2 – frosted	60 W	2	18	6	10	4050300 092799
Ⓢ	CLAS P FR 40 BLI2 – frosted	40 W	2	18	6	10	4050300 092782
Ⓢ	CLAS P FR 25 BLI2 – frosted	25 W	2	18	6	10	4050300 092775
	CLAS P FR 60 M2 – frosted Display carton	60 W	2	25	5	50	4050300 080376
	CLAS P FR 40 M2 – frosted Display carton	40 W	2	26	5	50	4050300 002958
	CLAS P FR 25 M2 – frosted Display carton	25 W	2	26	5	50	4050300 002934
Ⓢ	CLAS P CL 40 BLI2 – clear	40 W	2	18	6	10	4050300 092768
	CLAS P CL 60 M2 – clear Display carton	60 W	2	25	5	20	4050300 080123
	CLAS P CL 40 M2 – clear Display carton	40 W	2	26	5	50	4050300 522081
	CLAS P CL 25 M2 – clear Display carton	25 W	2	26	5	50	4050300 522067



# DECOR lamps



- Decorative incandescent lamps
- Incandescent lamps for decorative effects

## What are the differences between DECOR lamps and their conventional counterparts?

DECOR incandescent lamps are extremely attractive thanks to their different finishes (such as the gold-coloured coating). They are available in some interesting shapes: in standard (A shape) and round bulb with nipple (P shape), as twisted candles (BW shape) and as bent-tip candles (BA shape).

## Which incandescent lamps are best for mirror lighting, bearing in mind that ordinary light bulbs produce too much glare?

In this case, it's best to use lamps with what are known as crown reflectors (DECOR SILBER or GOLD, A or P shapes). With their silver or gold coating these lamps match the surface of the mirror and do not produce any glare.

## Which incandescent lamps are recommended for achieving coloured accent lighting in a room?

DECOR COLOR lamps. They are available in different colours and with small or large bases.

## OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
				Cartons/ Layers/ layer		

### DECOR GOLD GLOBE 95 mm G shape/globe lamp



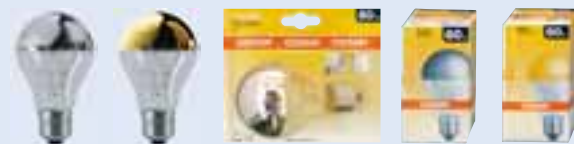
E27	DECOR G95 CROCO GOLD BL1	60 W	1	6	3	10	4050300 923673
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### DECOR GOLD GLOBE 80 mm G shape/globe lamp



E27	DECOR G80 ICE GOLD 60 BL1	60 W	1	10	3	10	4050300 923666
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### DECOR SILVER/GOLD A shape/standard



E27	DECOR A SILV 100 BL1	100 W	1	16	6	10	4050300 062877
Ⓢ	DECOR A SILV 60 BL1	60 W	1	16	6	10	4050300 093017
	DECOR A SILV 60	60 W	1	11	7	20	4050300 309651
	DECOR A GOLD 60	60 W	1	11	7	20	4050300 001067

### DECOR CARBON A shape/standard



E27	DECOR A CARBON 60 BL1	60 W	1	14	5	10	4050300 923697
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### DECOR COLOR A shape/standard shape

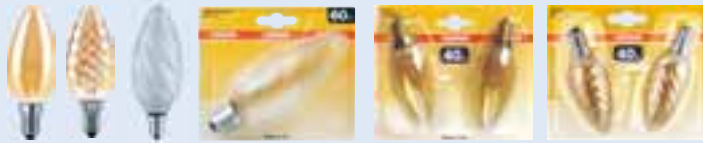


E27	DECOR A BLUE 25	25 W	1	4	7	50	4050300 005560
	DECOR A GREEN 25	25 W	1	4	7	50	4050300 005577
	DECOR A ORANGE 25	25 W	1	4	7	50	4050300 005546
	DECOR A RED 25	25 W	1	4	7	50	4050300 005553
	DECOR A YELLOW 25	25 W	1	4	7	50	4050300 005539
Ⓢ	DECOR A DAYLIGHT 60 BL2	60 W	2	10	6	10	4050300 053974

# OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
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## DECOR GOLD B/BW shape/candle



	<b>E27</b>					
Ⓢ	DECOR BW 48 BL1	40 W	1	16	5	10 4050300 062983
	<b>B22</b>					
Ⓢ	DECOR BW 48 BL1	40 W	1	16	6	10 4050300 062181
	<b>E14</b>					
Ⓢ	DECOR BW 48 FR BL1	40 W	1	16	6	10 4050300 062990
	DECOR B GOLD 40 BL12	40 W	2	18	6	20 4050300 923659
	DECOR BW GOLD 40 BL12 – twisted	40 W	2	18	6	20 4050300 064604

## DECOR Bent-tip/flickering candle



	<b>E14</b>					
	DECOR BA GOLD 40 BL1 – gold	40 W	1	20	6	10 4050300 174884
Ⓢ	DECOR BA FR 40 BL1 – frosted	40 W	1	20	6	10 4050300 064314
Ⓢ	DECOR BA FR 25 BL1 – frosted	25 W	1	20	6	10 4050300 174860
	DECOR BA FR 40 – frosted	40 W	1	24	6	25 4050300 064321
	DECOR B FLICKER 3 BL1 – clear	3 W	1	20	6	10 4050300 923680

## DECOR SILVER/GOLD P shape/round bulb



	<b>E14</b>					
	DECOR P SILV 40	40 W	1	20	9	20 4050300 002224
	DECOR P SILV 25	25 W	1	20	9	20 4050300 001081
Ⓢ	DECOR P SILV 40 BL1	40 W	1	24	6	10 4050300 093031
	DECOR P GOLD 40	40 W	1	20	9	20 4050300 001111
	DECOR P GOLD 25	25 W	1	20	9	20 4050300 001104

## DECOR COLOR P shape/round bulb



	<b>E14</b>					
	DECOR P BLUE 25	25 W	1	6	9	50 4050300 005973
	DECOR P GREEN 25	25 W	1	6	9	50 4050300 005980
	DECOR P RED 25	25 W	1	6	9	50 4050300 005966
	DECOR P YELLOW 25	25 W	1	6	9	50 4050300 005942
Ⓢ	DECOR P DAYLIGHT 40 BL12	40 W	2	10	6	10 4050300 345192




\* Ⓢ: Special product version available only through OSRAM France

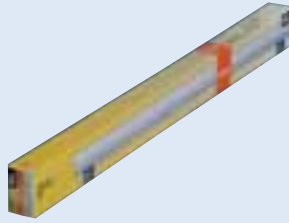




# OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
				Cartons/ Layers/ layer		

## LINESTRA® tubes



### S14s

Ⓢ	SPC.LIN 1604 BL1	60 W	1	5	10	10	4050300 062945
Ⓢ	SPC.LIN 1603 BL1	35 W	1	10	10	10	4050300 062938
	SPC.LIN 1104	120 W	1	3	6	16	4050300 317618
	SPC.LIN 1604	60 W	1	8	3	25	4050300 319919
	SPC.LIN 1603	35 W	1	12	3	25	4050300 317106

## LINOLITE tubes



### TT 15 cm/19 cm

Ⓢ	LINO FR 25221 BL1 – frosted	40 W	1	10	10	10	4050300 027975
Ⓢ	LINO FR 38310 BL1 – frosted	75 W	1	9	8	10	4050300 065090
Ⓢ	LINO FR 38310 BL1 – frosted	60 W	1	9	8	10	4050300 063010
Ⓢ	LINO FR 38310 BL1 – frosted	40 W	1	9	8	10	4050300 065083
Ⓢ	LINO SIL 38310 BL1	60 W	1	9	8	10	4050300 063003



\* Ⓢ: Special product version available only through OSRAM France

Spotlight lamps

# CONCENTRA® SPOT



• Directional light

**What are CONCENTRA® SPOT lamps used for?**

Because of their tightly focused beam, CONCENTRA® SPOT lamps are perfect for highlighting special objects. Typical objects that benefit from this type of accent lighting include desktops, ceilings, cabinets, posters and paintings, to name but a few.

**What benefits do CONCENTRA® incandescent lamps offer?**

- The main benefits of CONCENTRA® lamps are as follows:
- Tightly focused beam thanks to its special reflector design
  - Reduced lateral glare
  - Decorative shape



**OSRAM incandescent lamps**

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
				Cartons/ Layers/ layer	Cartons/ Layers/ palette	

**CONCENTRA® SPOT R95  
95 mm**



E27	CONC R95 100 - 35°	100 W	1	8	3	24	4050300 312842
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**CONCENTRA® SPOT R80  
80 mm**



E27	CONC R80 100 BLI1 - 80°	100 W	1	12	6	10	4050300 093864
Ⓢ	CONC R80 75 BLI1 - 80°	75 W	1	14	5	10	4050300 093857
Ⓢ	CONC R80 60 BLI1 - 80°	60 W	1	14	6	10	4050300 093840
Ⓢ	CONC R80 40 BLI1 - 80°	40 W	1	12	6	10	4050300 093833
	CONC R80 100 - 80°	100 W	1	6	7	25	4050300 322797
	CONC R80 75 - 80°	75 W	1	6	6	25	4050300 322773
	CONC R80 60 - 80°	60 W	1	6	7	25	4050300 322759
	CONC R80 40 - 80°	40 W	1	6	7	25	4050300 322735

**CONCENTRA® SPOT R63  
63 mm**



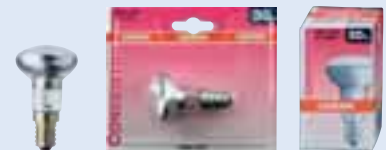
E27	CONC R63 60 BLI1 - 30°	60 W	1	20	6	10	4050300 093826
Ⓢ	CONC R63 40 BLI1 - 30°	40 W	1	20	6	10	4050300 093055
	CONC R63 60 M2 - 30° Display carton	60 W	2	12	4	24	4050300 562551
	CONC R63 40 M2 - 30° Display carton	40 W	2	12	4	24	4050300 562537

**CONCENTRA® SPOT R50  
50 mm**



E14	CONC R50 BLI2 - 30°	40 W	2	16	6	10	4050300 118482
Ⓢ	CONC R50 BLI2 - 30°	25 W	2	18	6	10	4050300 118505
	CONC R50 40 M2 - 30° Display carton	40 W	2	16	4	28	4050300 148489
	CONC R50 25 M2 - 30° Display carton	25 W	2	16	4	28	4050300 148465

**CONCENTRA® SPOT R39  
39 mm**



E14	CONC R39 30 BLI1 - 40°	30 W	1	36	6	10	4050300 118529
Ⓢ	CONC R39 30 - 40°	30 W	1	20	12	25	4050300 004815

## Spotlight lamps

# CONCENTRA® SPOT



- Focused coloured light
- Options for colour accent lighting

### What are the benefits of CONCENTRA® SPOT COLOR compared with ordinary coloured incandescent lamps?

The CONCENTRA® SPOT COLOR reflector lamp focuses light to produce coloured accents.

### Where can CONCENTRA® SPOT NATURA incandescent lamps be used?

CONCENTRA® SPOT NATURA lamps put decorative plants and flowers in the right light. Greens appear more fuller and cooler, while other colours appear more intense.

## OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)

### CONCENTRA® SPOT R80 COLOR 80 mm



#### E27

ⓕ	CONC R80 RED 60 BLI1 - 80°	60 W	1	12	6	10	4050300 093895
ⓕ	CONC R80 YELLOW 60 BLI1 - 80°	60 W	1	14	6	10	4050300 093888
ⓕ	CONC R80 BLUE 60 BLI1 - 80°	60 W	1	14	6	10	4050300 093871
ⓕ	CONC R80 GREEN 60 BLI1 - 80°	60 W	1	12	6	10	4050300 093901
ⓕ	CONC R80 VIOLET 60 BLI1 - 80°	60 W	1	14	6	10	4050300 093918
	CONC R80 RED 60 - 80°	60 W	1	6	6	25	4050300 061221
	CONC R80 YELLOW 60 - 80°	60 W	1	6	6	25	4050300 061238
	CONC R80 BLUE 60 - 80°	60 W	1	6	6	25	4050300 061245
	CONC R80 GREEN 60 - 80°	60 W	1	6	6	25	4050300 061214
	CONC R80 VIOLET 60 - 80°	60 W	1	6	6	25	4050300 061207

### CONCENTRA® SPOT R63 COLOR 63 mm



#### E27

ⓕ	CONC R63 RED SP 40 BLI1 - 30°	40 W	1	15	6	10	4050300 063508
ⓕ	CONC R63 YELLOW SP40 BLI1 - 30°	40 W	1	15	6	10	4050300 063515
ⓕ	CONC R63 BLUE SP 40 BLI1 - 30°	40 W	1	15	6	10	4050300 063539
ⓕ	CONC R63 GREEN SP40 BLI1 - 30°	40 W	1	15	6	10	4050300 063522
	CONC R63 RED 40 - 30°	40 W	1	8	6	16	4050300 310442
	CONC R63 YELLOW 40 - 30°	40 W	1	8	6	16	4050300 310466
	CONC R63 BLUE 40 - 30°	40 W	1	8	6	16	4050300 310503
	CONC R63 GREEN 40 - 30°	40 W	1	8	6	16	4050300 310480

### CONCENTRA® SPOT R50 COLOR 50 mm



#### E14

ⓕ	CONC R50 RED 40 BLI1 - 30°	40 W	1	24	6	10	4050300 034867
ⓕ	CONC R50 YELLOW 40 BLI1 - 30°	40 W	1	24	6	10	4050300 034898
ⓕ	CONC R50 BLUE 40 BLI1 - 30°	40 W	1	24	6	10	4050300 034928
ⓕ	CONC R50 GREEN 40 BLI1 - 30°	40 W	1	24	6	10	4050300 034959
	CONC R50 RED 40 - 30°	40 W	1	15	8	16	4050300 001289
	CONC R50 YELLOW 40 - 30°	40 W	1	15	8	16	4050300 001265
	CONC R50 BLUE 40 - 30°	40 W	1	15	8	16	4050300 001258
	CONC R50 GREEN 40 - 30°	40 W	1	15	8	16	4050300 001272

### CONCENTRA® SPOT R80 NATURA 80 mm



#### E27

ⓕ	CONC R80 NATURA 60 BLI1 - 80°	60 W	1	14	6	10	4050300 022994
	CONC R80 NATURA 100 - 80°	100 W	1	6	7	25	4050300 092492
	CONC R80 NATURA 60 - 80°	60 W	1	4	6	25	4050300 092485

Large-bulb spotlight lamps

# CONCENTRA® PAR



- Directional light
- Robust construction, weather-proof
- Options for colour accent lighting

### Where is it best to use CONCENTRA® PAR 38 lamps?

Wherever focused light is needed:

#### Indoor applications

- In downlights for canteen counters and above buffets in restaurants
- For spotlighting paintings and other such exhibits

#### Outdoor applications

- For illuminating plants and garden ponds
- For dark corners around the house
- For buildings

### What is special about CONCENTRA® PAR 38?

- Twice the average life of conventional incandescent reflector lamps
- Robust construction
- Weather-proof design

## OSRAM incandescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
				Cartons/ Layers/ layer	palette	
<b>CONCENTRA® PAR 38 FLOOD</b>						
	<b>E27</b>					
Ⓕ	CONC PAR38 FL 120 BL1 – 30°	120 W	1	6	3 10	4050300 065069
	CONC PAR38 FL 120 – 30°	120 W	1	4	5 15	4050300 236636
	CONC PAR38 FL 80 – 30°	80 W	1	4	5 15	4050300 236575
	CONC PAR38 FL 60 – 30°	60 W	1	4	5 15	4050300 282381
<b>CONCENTRA® PAR 38 SPOT</b>						
	<b>E27</b>					
	CONC PAR38 SP 120 – 12°	120 W	1	4	5 15	4050300 236605
	CONC PAR38 SP 80 – 12°	80 W	1	4	5 15	4050300 236544
	CONC PAR38 SP 60 – 12°	60 W	1	4	5 15	4050300 282367
<b>CONCENTRA® PAR 38 COLOR FLOOD</b>						
	<b>E27</b>					
	CONC PAR38 BLUE 80 – 30°	80 W	1	4	5 15	4050300 007687
	CONC PAR38 GREEN 80 – 30°	80 W	1	4	5 15	4050300 007670
	CONC PAR38 RED 80 – 30°	80 W	1	4	5 15	4050300 007656
	CONC PAR38 YELLOW 80 – 30°	80 W	1	4	5 15	4050300 007663



Tubular fluorescent lamps

# COMFORT and SPECIAL



- Increased light output
- Excellent colour rendering
- Extremely long life

### What is the difference between COMFORT lamps and other fluorescent lamps?

The light from COMFORT lamps is of such high quality that objects appear in their true colours. COMFORT lamps produce up to 30% more light than BASIC fluorescent lamps. They have a very high average life (up to 20,000 hours) and after 10,000 hours of use their light output will have dropped by only 8% (compared with 30% for BASIC fluorescent lamps).

### Why are COMFORT lamps offered with white light colours of so many different varieties and how do you choose the right one?

The light colours should be chosen to suit the purpose of the room:

- “Warmer” light colours (830, 827) for places where you want to relax because they create a pleasant atmosphere (“warm” light)
- “Cooler” light colours (840, 860) where you want to work because they provide high levels of clarity. Even small details are clearly visible (the light mimics natural daylight). The light colours of COMFORT lamps therefore meet an extremely wide range of requirements.

### What are fluorescent lamps with special light colours used for?

BIOLUX® lamps provide excellent colour rendering and are ideal for photo-therapy.

FLUORA® lamps promote healthy growth in plants and are also used for aquarium lighting.

BLACKLIGHT lamps are used for effect lighting in discos, clubs, bars and so on.

## OSRAM fluorescent lamps

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer	palette	

### COMFORT 16 mm

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
L 13W/827 SB case	13 W	1	14	17	10 4050300 325750
L 8W/827 SB case	8 W	1	22	17	10 4050300 336961

### COMFORT 26 mm

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
L 58W/860 SB	58 W	1	4	13	10 4050300 937984
L 58W/840 SB	58 W	1	4	13	10 4050300 336787
L 58W/827 SB	58 W	1	4	13	10 4050300 325712
L 36W/860 SB	36 W	1	4	13	10 4050300 937953
L 36W/840 SB	36 W	1	4	13	10 4050300 336763
L 36W/827 SB	36 W	1	4	13	10 4050300 325699
L 30W/827 SB	30 W	1	4	13	10 4050300 325651
L 18W/860 SB	18 W	1	7	13	10 4050300 937915
L 18W/840 SB	18 W	1	7	13	10 4050300 336800
L 18W/827 SB	18 W	1	7	13	10 4050300 325675
L 16W/827 SB	16 W	1	6	13	10 4050300 325637
L 15W/827 SB	15 W	1	8	13	10 4050300 325613
L 10W/827 SB	10 W	1	8	13	10 4050300 325736

### SPECIAL BIOLUX® 26 mm

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
L 58W/965 SB	58 W	1	4	13	10 4050300 938004
L 36W/965 SB	36 W	1	4	13	10 4050300 937977
L 30W/965 SB	30 W	1	4	13	10 4050300 937946
L 18W/965 SB	18 W	1	7	13	10 4050300 937939

### SPECIAL FLUORA® 26 mm

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
L 58W/77 SB	58 W	1	4	13	10 4050300 325811
L 36W/77 SB	36 W	1	4	13	10 4050300 325774
L 30W/77 SB	30 W	1	4	13	10 4050300 325453
L 18W/77 SB	18 W	1	7	13	10 4050300 325798

### SPECIAL BLACKLIGHT 26 mm

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
L 36W/73 SB	36 W	1	5	15	10 4050300 786926
L 18W/73 SB	18 W	1	8	15	10 4050300 786889

### Relationship between output and length (l)

4 W		136 mm
6 W		212 mm
8 W		288 mm
13 W		517 mm
15 W		438 mm
18 W		590 mm
30 W		895 mm
36 W		1200 mm
58 W		1500 mm

# BASIC



- The economical source of light
- Average colour rendering

### What information is provided on the packaging?

(1)	(2) (3)	(4)
L36W/20 S-S	Ø 26 mm, 120 cm	

#### (1) Wattage:

Fluorescent lamps of certain lengths and wattages can only be used in luminaires designed specifically for them.

#### (2) Light colour:

Three light colours are offered (Cool White, Universal White and Warm White). Modern fluorescent lamps have natural colours and adequate colour rendering for the applications covered by BASIC lamps, such as cellars and garages.

#### (3) Self-service retail packaging:

User-friendly packaging for retail requirements

#### (4) Dimensions:

The length is determined by the wattage of the lamp.

### What makes fluorescent lamps such good value?

Firstly their energy savings. To produce the same amount of light as ordinary light bulbs they consume around 80% less electricity (for example, an 18 W fluorescent lamp emits about the same amount of light as a 100 W bulb).

Secondly, fluorescent lamps last on average 10 to 20 times longer than ordinary light bulbs.

## OSRAM fluorescent lamps

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	
					Cartons/ Layers/ layer	Order code (EAN)

### BASIC 16 mm



#### 16 mm

L 13W/25 SB case	13 W	1	14	17	10	4050300 325477
L 8 W/25 SB case	8 W	1	22	17	10	4050300 336824
L 6 W/25 SB case	6 W	1	33	17	10	4050300 620923
L 4 W/25 SB case	4 W	1	49	17	10	4050300 620909

### BASIC 26 mm



#### 26 mm

L 58W/20 SB	58 W	1	4	13	10	4050300 338804
L 58W/25 SB	58 W	1	4	13	10	4050300 325538
L 58W/30 SB	58 W	1	4	13	10	4050300 325590
L 36W/20 SB	36 W	1	4	13	10	4050300 338781
L 36W/25 SB	36 W	1	4	13	10	4050300 325514
L 36W/30 SB	36 W	1	4	13	10	4050300 325576
L 36W/25-1 SB	36 W	1	4	13	10	4050300 325835
L 36W/30-1 SB	36 W	1	4	13	10	4050300 325859
L 30W/20 SB	30 W	1	4	13	10	4050300 922454
L 30W/25 SB	30 W	1	4	13	10	4050300 325415
L 30W/30 SB	30 W	1	4	13	10	4050300 325439
L 18W/20 SB	18 W	1	7	13	10	4050300 338767
L 18W/25 SB	18 W	1	7	13	10	4050300 325491
L 18W/30 SB	18 W	1	7	13	10	4050300 325552
L 16W/25 SB	16 W	1	6	13	10	4050300 325392
L 15W/25 SB	15 W	1	8	13	10	4050300 325378
L 10W/25 SB	10 W	1	8	13	10	4050300 325354

#### U shape 26 mm

L 58W/25 U	58 W	1	6	3	12	4050300 531038
L 36W/25 U	36 W	1	6	3	12	4050300 530871

### Circular 30 mm



#### 30 mm

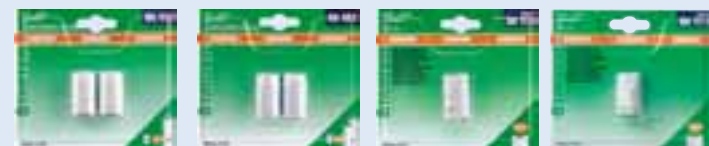
L 40W/25 C	40 W	1	4	2	12	4050300 003269
L 32W/25 C	32 W	1	4	2	12	4050300 003252
L 22W/25 C	22 W	1	6	3	12	4050300 011417

### Rapid Start 38 mm

#### 38 mm

Ⓢ BLI 1 L 40W20 RS	40 W	1	4	9	10	4050300 042572
Ⓢ BLI 1 L 20W20 RS	20 W	1	5	8	10	4050300 042558

### STARTER



Ⓢ DEOS ST 173 BLI1	18...65 W	1	43	6	10	4050300 422749
DEOS ST 171 BLI1	30...65 W	1	43	6	10	4050300 421544
ST 111 BLI2	4...80 W	2	43	6	10	4050300 064000
ST 151 BLI2**	4...22 W	2	43	6	10	4050300 092638

\* Ⓢ: Special product version available only through OSRAM France

\*\* For connecting two 4 to 22 W fluorescent lamps in series, or individual operation at 120V

# Energy-saving batten luminaires

With 16 mm fluorescent lamps (T5)



- Complete with lamp
- Extremely compact dimensions
- A large amount of economical light
- For ceilings, walls and furniture

## Which batten luminaire is suitable for illuminating dark work surfaces in the kitchen?

The perfect candidate is our LUMINESTRA® ultra low-profile energy-saving luminaire complete with switch and power cable for installation under cupboards.

## Which batten luminaire is suitable for illuminating cabinets, book shelves or display cases?

PICOLINE® is ideal for these jobs. This slim rotatable electronic luminaire from OSRAM with its pleasant light colour comes ready for connection and can be fitted in no time at all.

## Which batten luminaire is suitable for fitting around mirrors?

The LUMILUX® DECO energy-saving electronic luminaire provides soft glare-free light.

## Which batten luminaire can be used to provide light over a bar area without drilling into furniture?

The feather-light electronic LUMISTICK®, which can be fixed with adhesive pads.

## OSRAM luminaires

Country code*	Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
				Cartons/ Layers/ layer	Layers/ palette	

### LUMINESTRA®, white

#### With 16 mm fluorescent lamps

	73081 LUMINESTRA 13W	13 W	1	12	6	4	4050300 008745
ⓕ	73081 LUMINESTRA 13W BL11	13 W	1	8	6	6	4050300 137667
	73071 LUMINESTRA 8W	8 W	1	18	6	4	4050300 008738
ⓕ	73071 LUMINESTRA 8W BL11	8 W	1	16	6	6	4050300 137681

### PICOLINE® EL, white



#### With 16 mm fluorescent lamps

	72043 PICOLINE 21W electronic	21 W	1	5	14	4	4050300 593975
	72042 PICOLINE 13W electronic	13 W	1	11	12	4	4050300 499567
	72041 PICOLINE 8W electronic	8 W	1	22	12	4	4050300 499543

### LUMILUX® DECO EL, white



#### With 16 mm fluorescent lamps

	72165-44 LUMILUX DECO EL/D 13W	13 W	1	15	6	4	4050300 497846
	72161-44 LUMILUX DECO EL/D 8W	8 W	1	25	6	4	4050300 497822

### LUMISTICK® EL, white



#### With 16 mm fluorescent lamps

	72236 LUMISTICK 13W electronic	13 W	1	8	10	4	4050300 411453
	72231 LUMISTICK 8W electronic	8 W	1	12	10	4	4050300 411439
ⓕ	BLI 1 REF 1L36N	36 W	1	3	6	4	4050300 063225
ⓕ	BLI 1 REF 1L18N	18 W	1	5	6	4	4050300 063218
ⓕ	BLI 1 METHAREF 1L13N	13 W	1	8	11	4	4050300 091907
ⓕ	BLI 1 METHAREF 1L 8N	8 W	1	16	11	4	4050300 091884
ⓕ	BLI 1 MINIREF 1L13N	13 W	1	12	7	4	4050300 149073
ⓕ	BLI 1 MINIREF 1L8N	8 W	1	20	7	4	4050300 149059
ⓕ	BLI 1 MINIREF 1L6N	6 W	1	24	7	4	4050300 149035

### LUMILUX® DUO EL, silver



#### With 16 mm fluorescent lamps

	LUMILUX DUO EL-F/P 2X58 W	2X58 W	1	3	5	4	4050300 774268
	LUMILUX DUO EL-F/P 2X36 W	2X36 W	1	3	5	4	4050300 774237
	LUMILUX DUO EL-F/P 2X18 W	2X18 W	1	5	5	4	4050300 774206
	LUMILUX DUO EL-F/R 2X58 W	2X58 W	1	3	5	4	4050300 774350
	LUMILUX DUO EL-F/R 2X36 W	2X36 W	1	3	5	4	4050300 774329
	LUMILUX DUO EL-F/R 2X18 W	2X18 W	1	5	5	4	4050300 774299

### LUMILINE® EL, white



	LUMILINE EL 13W	13 W	1	9	6	4	4050300 769738
	LUMILINE EL 8W	8 W	1	18	6	4	4050300 769714

\* ⓕ: Special product version available only through OSRAM France

# Energy-saving batten luminaires

With 26 mm fluorescent lamps (T8)



- Complete with lamp
- A large amount of light
- For ceilings, walls and furniture
- Suitable for strip lighting

## Which batten luminaire is suitable for illuminating hobby rooms (work benches and so on)?

The classic LUMILUX® COMBI provides a quick and simple way of adding light. This batten luminaire comes complete with a high-quality lamp, power cable and plug.

## How can kitchens, corridors, wardrobes or home offices all be fitted with good quality light?

The FLATLITE® family with LUMILUX® lamps and prismatic lamp covers are the perfect solution throughout the home because they combine low-profile construction with stylish design. Suitable for strip lighting.

## Is there a universal luminaire for mounting underneath shelving that combines good looks, impressive economy and bright light?

Yes, the LUMINESTRA®-N/P which comes ready for installation complete with switch, 2 m of power cable and plug. This high-intensity furniture luminaire has a high-quality powder-coated aluminium casing that is just 37 mm high.

## OSRAM luminaires

Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
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### LUMILUX® COMBI-N/P, white

#### With 26 mm fluorescent lamps

72221 LUMILUX COMBI-N/P 36W	36 W	1	4	10	4	4050300 346861
72216 LUMILUX COMBI-N/P 30W	30 W	1	4	10	4	4050300 346663
72211 LUMILUX COMBI-N/P 18W	18 W	1	6	10	4	4050300 346625
72206 LUMILUX COMBI-N/P 10W	10 W	1	8	10	4	4050300 346540

### COMBILITE®, white

#### With 26 mm fluorescent lamps

72443 COMBILITE 58W	58 W	1	4	10	4	4050300 573038
72442 COMBILITE 36W	36 W	1	4	10	4	4050300 573014
72441 COMBILITE 30W	30 W	1	4	10	4	4050300 572994
72440 COMBILITE 18W	18 W	1	6	10	4	4050300 572970

### LUMILUX® FLATLITE-N/P, white

#### With 26 mm fluorescent lamps

72421 LUMILUX FLATLITE-N/P 36W	36 W	1	5	4	4	4050300 367583
72416 LUMILUX FLATLITE-N/P 30W	30 W	1	5	4	4	4050300 367545
72411 LUMILUX FLATLITE-N/P 18W	18 W	1	7	4	4	4050300 367507

### LUMINESTRA®-N/P, white

#### With 26 mm fluorescent lamps

73088 LUMINESTRA-N/P 30W	30 W	1	4	9	4	4050300 487168
73087 LUMINESTRA-N/P 18W	18 W	1	6	9	4	4050300 487144
73086 LUMINESTRA-N/P 15W	15 W	1	8	9	4	4050300 487069



# Energy-saving batten luminaires

With compact fluorescent lamps



- Complete with lamp
- High-quality technology in a modern design
- Elegant and practical lighting solutions

**Which batten luminaire is recommended if variable lighting and quick and easy installation are the main requirements?**

LUMILUX® VARIO-N. This slim batten luminaire is ready for installation and comes complete with 2 m long cable, integrated switch and plug – and has a tubular reflector that can rotate through 360°.

**What are the benefits of the OSRAM SOFTLITE® batten luminaire?**

OSRAM SOFTLITE® is the perfect combination of design, technology and functionality. This modern attractive high-tech batten luminaire offers soft glare-free light and provides direct and indirect light for sophisticated needs.

**Is there a luminaire that offers a high level of security for outdoor lighting?**

The compact OSRAM DULUX® RONDEL SENSOR luminaire switches on automatically at dusk and off again at dawn.

**Which luminaire goes well with interior decor?**

The OSRAM DULUX® RONDEL ECO is a low-profile luminaire in a modern design.

**What if there are not enough power sockets in the kitchen?**

There is a neat and simple solution. A special socket/switch element can be integrated with the HALONESTRA® and LUMINESTRA® batten luminaires.

## OSRAM luminaires

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer	Order unit	

### LUMILUX® VARIO-N, white



With a 26 mm fluorescent lamp

72057 LUMILUX VARIO-N 30W	30 W	1	4	9	4	4050300 471525
72056 LUMILUX VARIO-N 18W	18 W	1	6	9	4	4050300 471440

### OSRAM SOFTLITE®, white



With one or two 26 mm fluorescent lamps

72534 SOFTLITE 58W	58 W	1	4	4	2	4050300 535616
72533 SOFTLITE 36W	36 W	1	4	4	2	4050300 535593
72532 SOFTLITE 30W	30 W	1	4	4	2	4050300 535579
72531 SOFTLITE 18W	18 W	1	6	4	2	4050300 535555

### OSRAM DULUX® RONDEL SENSOR, white



With compact fluorescent lamps

73025-75 DULUX RONDEL 9W SENSOR	9 W	1	12	3	4	4050300 399133
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### OSRAM DULUX® RONDEL ECO, white



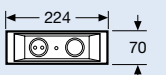
With compact fluorescent lamps

74041 DULUX RONDEL ECO 9W	9 W	1	8	3	4	4050300 584263
74042 DULUX RONDEL ECO 2X9W	9 W	1	8	3	4	4050300 584287

## Accessories

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Carton/ Layers/ layer	Order unit	

### Socket/switch element, white (Accessories for LUMINESTRA®, HALONESTRA®)



41132-56 Socket/switch element		1	15	6	4	4050300 486413
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# Halogen luminaires

Batten luminaires and spotlights



- Complete with lamp
- For spotlighting and accent lighting
- For brilliant lighting design
- Low-voltage and mains voltage technology

## Is there a halogen batten luminaire that is suitable for glass display cabinets?

Yes, the super low-profile HALONESTRA® furniture luminaire, which can also be combined with LUMINESTRA® to form strip lighting. With a height of just 20 mm and a built-in electronic HALOTRONIC® transformer, it can provide brilliant halogen light and special accents in the tightest of spaces.

## What is special about HALOPAR® COMBI?

HALOPAR® COMBI is a slim halogen luminaire with innovative HALOPAR® Cool Beam mains voltage halogen lamps for operation without a transformer. It offers extremely versatile directional light with tilt-and-swivel reflectors.

## Can HALOPAR® COMBI be dimmed?

Yes, the luminaire can be operated with any dimmer suitable for incandescent lamps.

## What is special about MAXISPOT HALOPAR® 50 W?

MAXISPOT HALOPAR® 50W is a compact halogen luminaire of modern design that does not need a transformer. It is ideal for versatile accent lighting for pictures, furniture, books, porcelain and so on – and can be operated with any dimmer suitable for incandescent lamps.

## OSRAM halogen luminaires

Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer	palette	

### HALONEA



HALONEA 2X10 W	2X10 W	1	18	6	4	4050300 784519
HALONEA 3X10 W	3X10 W	1	9	6	4	4050300 784540

### HALONESTRA®



41133 HALONESTRA 3X20W	3X20 W	1	6	6	4	4050300 486352
41132 HALONESTRA 2X20W	2X20 W	1	12	6	4	4050300 486338

### HALOPAR® COMBI, white



41230 HALOPAR COMBI 2X50W	2X50 W	1	4	6	4	4050300 553825
41231 HALOPAR COMBI 3X50W	3X50 W	1	2	6	4	4050300 553863

### MAXISPOT HALOPAR® 50 W



43697BL MAXISPOT HALOPAR – BLUE	50 W	1	10	6	4	4050300 643182
43697WS MAXISPOT HALOPAR – WHITE	50 W	1	10	6	4	4050300 643144
43697SW MAXISPOT HALOPAR – BLACK	50 W	1	10	6	4	4050300 643168

# Other luminaires and accessories

Table luminaires, batten luminaires for incandescent lamps, Christmas garlands



- Complete with lamp
- Energy-saving reading and working light in compact and elegant design
- Special lighting solutions

## Which energy-saving lamp is fitted in the OSRAM DULUX® TABLE ECO 21 W table luminaire?

The answer is in the name of the luminaire – the particularly low-cost and economical OSRAM DULUX® EL ECONOMY 21 W branded energy-saving lamp.

## What do the letters CS stand for in the user-friendly CS hinge?

CS stands for Comfort System.


## What are the three key features that determine the high level of lighting comfort of the OSRAM DULUX® TABLE COLOR 21 W?

The electronic control gear in the lamp ensures instant flicker-free starting, flicker-free operation and excellent economy.

## What are the special features of Christmas garlands from OSRAM?

High quality, excellent safety and impressive reliability. The high level of safety is confirmed by the VDE symbol.

## OSRAM other luminaires

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer		

### OSRAM DULUX® TABLE ECO 21 W



73176 DULUX TABLE ECO 21W (with clamp)	21 W	1	3	5	4	4050300	<b>564005</b>
73177 DULUX TABLE ECO 21W (with stand)	21 W	1	2	3	4	4050300	<b>566641</b>

### OSRAM DULUX® TABLE COLOR 21 W



73178 DULUX TABLE COLOR 21 W blue	21 W	4	2	3	4	4050300	<b>620886</b>
73178 DULUX TABLE COLOR 21 W red	21 W	4	2	3	4	4050300	<b>620862</b>
73178 DULUX TABLE COLOR 21 W yellow	21 W	4	2	3	4	4050300	<b>620848</b>

### LINESTRA® SET



92420 LINESTRA SET 60W	60 W	1	4	4	20	4050300	<b>003849</b>
92410 LINESTRA SET 35W	35 W	1	6	4	20	4050300	<b>003832</b>

### Christmas garlands for indoors and outdoors



CAK 15 15 lamps – outdoors	105 W	1	2	3	5	4050300	<b>003375</b>
WLA 15 15 lamps – outdoors	45 W	1	4	3	5	4050300	<b>003382</b>
CIK 15 15 lamps – indoors	45 W	1	6	2	10	4050300	<b>003344</b>
WLI 15 15 lamps – indoors	45 W	1	6	2	10	4050300	<b>003368</b>

# Outdoor luminaires

With energy-saving compact lamps and economical halogen light



- Complete with lamp
- Mobile light for holidays, hobbies and the home
- Modern technology, intelligent functionality
- High quality, rugged design

## Why are there torches and lanterns with energy-saving lamps?

With only a 5 W lamp they are as bright as a conventional 25 W light bulb. A torch or lantern fitted with an energy-saving lamp has a low battery consumption and offers a uniform floodlight.

## What is special about halogen torches and lanterns from OSRAM?

OSRAM halogen technology allows light to be tightly focused.

## OSRAM outdoor luminaires

Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer		

### OSRAM DULUX® POCKET, MINI COMBI



46429-01 DULUX POCKET BL11	5 W	1	33	6	6	4050300 165769
46432 MINI COMBI BL11	5/21 W	1	28	6	6	4050300 569819

### OSRAM DULUX® MOBIL COMBI ACCU



46436-01 DULUX MOBILCOMBIACCU BL11	5 W	1	8	5	6	4050300 569529
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### CAMPING ENERGY Automatic, CAMPING HALOGEN



46475 CAMPING HALOGEN		1	6	3	6	4050300 900063
CAMPING ENERGY AUTOMATIC		1	6	3	6	4050300 616025

### KRYPTON POWER



46477 KRYPTON POWER		1	9	3	6	4050300 615981
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### KRYPTON METAL, MINI KRYPTON



46479-01 KRYPTON METAL		1	14	5	6	4050300 615967
46476-01 MINI KRYPTON METAL BL11		1	24	6	6	4050300 616001

# Torches, magnifying glass

With halogen lamps and LED



- Complete with lamp
- Mobile light for all eventualities
- Technical perfection
- Functional and stylish design

## What is the benefit of having halogen lamps in torches?

Torches with halogen lamps produce up to 225% more light than those with ordinary incandescent lamps.

Halogen lamps offer bright white light. In conjunction with the special computer-designed reflector, halogen lamps can achieve impressive ranges.

## What are the special features of luminaires with LED technology?

OSRAM luminaires with LED technology are particularly energy-saving, robust, durable and extremely compact.

## OSRAM torches/magnifying glass

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer	palette	

### POWERLITE



46416-01 POWERLITE 3 BLI1	1	25	2	6	4050300 569857
46414-01 POWERLITE 2 BLI1	1	25	2	6	4050300 569833

### STAR HALOGEN



46480-01 STAR HALOGEN BLI1 silver	1	24	6	6	4050300 569734
46480-01 STAR HALOGEN BLI1 black	1	24	6	6	4050300 532035
46485-01 STAR HALOGEN ACCU BLI1 silver	1	9	5	6	4050300 186610
46485-01 STAR HALOGEN ACCU BLI1 black	1	9	5	6	4050300 532059

### MINI HALOGEN 2000



46425-01 MINI HALOGEN 2000 BLI1	1	36	6	6	4050300 569871
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### HALOMAX®-S MAGNIFYING GLASS



46461-01 HALOMAX-S MAGNIFYING GLASS BLI1	1	16	6	6	4050300 625652
46461 HALOMAX-S MAGNIFYING GLASS	1	21	8	6	4050300 169729

### HOBBY HALOGEN



501174 HALOGEN 2000 STORE DISPLAY	1	4	2	40	4050300 453927
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### LED luminaires



LED KEY CHAIN	1	35	8	6	4050300 777979
LED TRACER	1	15	9	6	4050300 778006

# Vehicle lamps

## Headlight lamps and auxiliary lamps



- The world's no. 1 in automotive lamps
- Innovative range
- Original equipment manufacturer quality

The best way to avoid accidents is “to see and be seen” – and not only on night-time journeys.

In 50% of all accidents and an astonishing 80% of all collisions at crossroads, the drivers involved said they saw each other too late or not at all. And that's in bright daylight!

### The replacement interval remains the same

Despite being in use both day and night, the new LIGHT@DAY has the same service life as normal lamps because their average life is two to three times longer than these lamps. Safety-conscious drivers who switch to LIGHT@DAY lamps will therefore need to replace their lamps no more often than they have in the past.

### DRL and the law

In many countries in Europe daylight running light is already prescribed by law. Government transport departments and all the automobile associations in Europe are working on appropriate regulations. It is likely that over the next few years there will be a general directive within the EU that all new cars will have to be fitted with daylight running lights. In the near future, however, car manufacturers will be voluntarily introducing DRL lamps on certain models.

## OSRAM headlight lamps

Article designation	Wattage	Standard pack	Euro palette max. 1.05 high	Order unit	Order code (EAN)
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### STANDARD/OEM quality



64193-01B H4	60/55 W	1	10	6	20	4050300 925127
64210-01B H7	55 W	1	12	6	20	4050300 925202
64150-01B H1	55 W	1	15	6	20	4050300 925264
64151-01B H3	55 W	1	15	6	20	4050300 925349
64183-01B R2 HALOROAD	45/40 W	1	10	6	20	4050300 925400
7951-01B R2	45/40 W	1	10	6	20	4050300 925424

### SILVERSTAR® +50% (up to 50% more light and safety)



64193SVS-01B H4 SILVERSTAR	60/55 W	1	10	6	20	4050300 647661
64210SVS-01B H7 SILVERSTAR	55 W	1	10	6	20	4050300 647623
64150SVS-01B H1 SILVERSTAR	55 W	1	15	6	20	4050300 648354

### LIGHT@DAY (2 to 3 times the life for use day and night – safety from daylight running light)



64193D-01B H4 LIGHT@DAY	60/55 W	1	20	11	20	4050300 773803
64210D-01B H7 LIGHT@DAY	55 W	1	20	14	20	4050300 773742
64150D-01D H1 LIGHT@DAY	55 W	1	20	15	20	4050300 773865

### COOL BLUE® (trendy blue light)



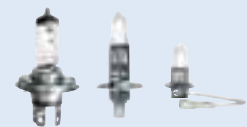
64193CB-01B H4 COOL BLUE	60/55 W	1	10	6	20	4050300 925189
64210CB-01B H7 COOL BLUE	55 W	1	10	6	20	4050300 925240
64150CB-01B H1 COOL BLUE	55 W	1	15	6	20	4050300 925325

### ALLSEASON SUPER/ALLSEASON (yellow light for reduced glare in poor weather)



64193ALS-01B H4 ALLSEASON SUPER	60/55 W	1	10	6	20	4050300 925141
64210ALL-01B H7 ALLSEASON	55 W	1	12	6	20	4050300 925226
64150ALS-01B H1 ALLSEASON SUPER	55 W	1	15	6	20	4050300 925288
64151ALS-01B H3 ALLSEASON SUPER	55 W	1	15	6	20	4050300 925363

### SUPER +30% (up to 30% more light)



64193SUP-01B H4 SUPER	60/55 W	1	10	6	20	4050300 925165
64150SUP-01B H1 SUPER	55 W	1	15	6	20	4050300 925301
64151SUP-01B H3 SUPER	55 W	1	15	6	20	4050300 925387

## OSRAM additional lighting

Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer		
7506-02B P21W	21 W	2	20 8 20	4050300	<b>925448</b>
7507-02B PY21W	21 W	2	20 8 20	4050300	<b>925462</b>
7507LDA-02B PY21W DIADEM	21 W	2	12 6 20	4050300	<b>925486</b>
7527-02B	18 W	2	20 8 20	4050300	<b>925509</b>
7528-02B P21/5 W	21/5 W	2	20 8 20	4050300	<b>925523</b>
7528D-02B P21/5 W LIGHT@DAY	21/5 W	2	12 6 20	4050300	<b>773384</b>
7225-02B P21/4W	21/4 W	2	20 8 20	4050300	<b>925547</b>
7231-02B	18/5 W	2	20 8 20	4050300	<b>925561</b>
5007-02B R5W	5 W	2	32 8 20	4050300	<b>925585</b>
5007D-02B LIGHT@DAY R5W	5 W	2	15 6 20	4050300	<b>773438</b>
5008-02B R10W	10 W	2	32 8 20	4050300	<b>925608</b>
5008D-02B R10W LIGHT@DAY	10 W	2	15 6 20	4050300	<b>773490</b>
6418-02B C5W	5 W	2	32 8 20	4050300	<b>925622</b>
6418D-02B C5W LIGHT@DAY	5 W	2	15 6 20	4050300	<b>773674</b>
6411-02B C10W	10 W	2	32 8 20	4050300	<b>925646</b>
3893-02B T4W	4 W	2	40 8 20	4050300	<b>647609</b>
3893D-02B T4W LIGHT@DAY	4 W	2	31 11 20	4050300	<b>773077</b>
3893CB-02B T4W COOL BLUE	4 W	2	28 6 20	4050300	<b>925660</b>
2825-02B W5W parking light	5 W	2	40 8 20	4050300	<b>925684</b>
2825HCB-02B W5W COOL BLUE HALOGEN	5 W	2	28 6 20	4050300	<b>925707</b>
2825CB-02B W5W	5 W	2	28 6 20	4050300	<b>925721</b>
2825D-02B W5W LIGHT@DAY	5 W	2	31 11 20	4050300	<b>772943</b>
2821-02B W3W	3 W	2	40 8 20	4050300	<b>925745</b>
2721-02B	1.2 W	2	40 8 20	4050300	<b>925769</b>
2722-02B	1.2 W	2	40 8 20	4050300	<b>925783</b>
64111-02B	5 W	2	40 8 20	4050300	<b>647258</b>
64132CB-02B H6W COOL BLUE HALOGEN	6 W	2	28 6 20	4050300	<b>925820</b>
64132D-02B H6W LIGHT@DAY HALOGEN	6 W	2	28 6 20	4050300	<b>773339</b>



## OSRAM spare lamp kit

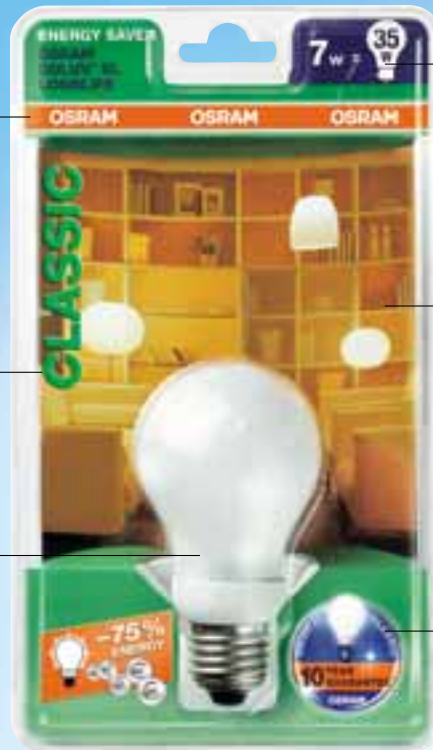
Article designation	Wattage	Standard pack	Euro palette max.1.05 high	Order unit	Order code (EAN)
			Cartons/ Layers/ layer		
<b>EUROBOX</b>					
H4 EUROBOX (ALB5 H4) H4, P21W, PY21W, R5W, W5W		10		4050300	<b>940755</b>
H1 EUROBOX (ALB5 H1) H1, P21W, PY21W, R5W, W5W		10		4050300	<b>940762</b>
H7 EUROBOX (ALB5 H7) H7, P21W, PY21W, R5W, W5W		10		4050300	<b>940779</b>
H7/H1 EUROBOX (ALB5 H7/H1) H7, H1, P21W, PY21W, R5W, W5W		10		4050300	<b>940748</b>
R2 EUROBOX (ALB5 R2) R2, P21W, PY21W, R5W, W5W		10		4050300	<b>940786</b>



Helps find the “right lamp”

# OSRAM packaging

OSRAM's high-quality blister packs and eye-catching boxes have enormous emotional appeal and present the data in a clear and readily understandable format.



The OSRAM brand in the orange band indicates brand quality and has a high recognition value

Product family colour code for rapid identification

Bulb and base visible

Wattage shown large and clear in the top right corner

Emotive application motif

Benefits/added value of the lamp memorably presented



Sample applications on the back

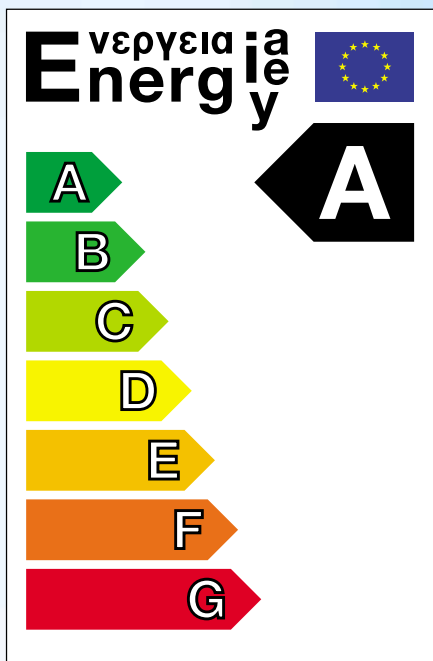
Explanations in several languages for international use

“Energy Label” for clear indication of the energy-saving class

Base clearly visible



# The Energy Label



This label shows which of the seven classes of energy efficiency the “lamps for household applications” have been assigned to. “A” stands for “very efficient” and “G” for “least efficient”. The wattage and the luminous flux of the lamp must also be indicated on the packaging.

## Classification examples:

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

## Calculating the energy-efficiency class

Lamps are assigned to the energy efficiency classes according to their measured luminous flux and wattage, as indicated in Annex IV of the relevant directive.

## The measuring 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 labelled.

## Lifetime information

Average life: Average life is the average length of time that a lamp will operate under standard conditions. (50% failure rate = “Average rated life”)

## High-quality lamps from OSRAM

# Guaranteed to save electricity

OSRAM is offering a new and unique guarantee for its OSRAM DULUX® EL energy-saving lamps that no other lamp manufacturer is matching at present:

- 10 years for OSRAM DULUX® EL LONGLIFE lamps
- 5 years for OSRAM DULUX® EL ECONOMY lamps

The risk to us is minimal. We know that our lamps will last that long.

Because they are specifically used for more than three hours a day on average, only OSRAM DULUX® EL SENSOR PLUS and OSRAM DULUX® EL FACILITY are excluded from this guarantee.

## What does that mean in practice?

If an OSRAM DULUX® EL LONGLIFE lamp should fail within ten years of purchase because of a product fault, the customer can send it back to OSRAM together with the till receipt for an immediate replacement. The same applies to the OSRAM DULUX® EL ECONOMY, but only for five years. Both guarantees include replacing the lamp because of a product fault, provided the lamp was not used on commercial premises.



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