



**The light bulb is disappearing,
but not its light.**

The OSRAM DULUX® range of energy-saving lamps.

SEE THE WORLD IN A NEW LIGHT

OSRAM



Tackling prejudice.

A guide to successful sales.

Energy-saving lamps are still being seen by end consumers in the wrong light. It is now time to dispel the prejudices once and for all.

Customer: "Energy-saving lamps produce a cold uncomfortable neon light."



Your answer: "That's right. But only if that's what you want. If you want a warm light the new 'warm comfort light' has the same color appearance as traditional light bulbs. OSRAM DULUX® – warmly recommended for a cosy home."

Customer: "Energy-saving lamps take too long to reach their full brightness."



Your answer: "That's not true. Thanks to Quick light technology OSRAM DULUX® SUPERSTAR and OSRAM DULUX® INTELLIGENT lamps achieve their full output twice as quickly as conventional energy-saving lamps."

Customer: "Energy-saving lamps look ugly and don't fit in all luminaires."

Your answer: "Not true. The OSRAM DULUX® range has lamps to suit all tastes.

Whether you like the classic bulb shape,

candle versions, attractive reflector types or stylish twist pattern, there is an energy-saving lamp to suit any fitting in the home."

Customer: "Energy-saving lamps don't last very long and are not worth it."

Your answer: "Wrong – and wrong again! OSRAM DULUXSTAR® lamps have a life of up to 10 years*. OSRAM DULUX® SUPERSTAR is even better with up to 15 years*, and OSRAM DULUX® INTELLIGENT tops them all with up to 20 years*. These lamps have longer lives than our earlier energy-saving lamps – for the same amount of money."

Customer: "Energy-saving lamps contain too much dangerous mercury."

Your answer: "That's not true. The EU RoHS directive regulates the use of hazardous substances and prescribes a harmless level of mercury in energy-saving lamps. OSRAM is doing more than just meeting these requirements, it is setting even tougher standards for its products with new eco-friendly technologies and materials.

* Corresponds to an average life of 10,000/15,000/20,000 hours if used for about 2.7 hours each day.






Alternatives that improve profits. OSRAM DULUX® energy-saving lamps.

The phasing-out of conventional inefficient incandescent lamps is good news not only for the environment but also for your business as it offers enormous sales potential. In the broad and innovative range of OSRAM energy-saving lamps your customers are certain to find the perfect replacement for any incandescent lamp and for any application.

- OSRAM energy-saving lamps have impressive properties:
 - Warm Comfort Light
 - Quick light technology
 - Longer life
 - Attractive designs
- The eco-friendly packaging create a strong presence and provide clear information at the PoS.
- Color codes help your customers quickly find the lamps they need.

Gold, Silver and White – the quality code for an extra clarity.

OSRAM DULUX® energy-saving lamps can do almost everything that conventional incandescent lamps can do, and with three product lines in the range there is a lamp that will cover whatever specific requirements your customers may have. The following table shows the differences between the Gold, Silver and White color codes at a glance.

<h2>OSRAM DULUX® INTELLIGENT</h2> <p>For quality-conscious customers with professional requirements.</p>	<h2>OSRAM DULUX® SUPERSTAR</h2> <p>For the comfort-seeking customer.</p>	<h2>OSRAM DULUXSTAR®</h2> <p>For all price-conscious customers.</p>
<ul style="list-style-type: none"> • Up to 80 percent lower energy consumption.¹ • Quick light technology for rapid starting.  • Warm Comfort Light (2500 K): the first energy-saving lamp with a warm light similar to that of an incandescent lamp.  • Extra long average life of up to 20 years (20,000 hours).^{2,3} • Unlimited switching cycles for OSRAM DULUX® INTELLIGENT Facility. • For the quality-conscious customer with special and professional requirements. • Golden icon bar as a sign of top quality. 	<ul style="list-style-type: none"> • Up to 80 percent lower energy consumption.¹ • Quick light technology for rapid starting.  • Warm Comfort Light (2500 K): the first energy-saving lamp with a warm light similar to that of an incandescent lamp.  • Long average life of up to 15 years (15,000 hours).^{2,3} • Up to 500,000 switching cycles. • Silver icon bar as a sign of high quality. 	<ul style="list-style-type: none"> • Up to 80 percent lower energy consumption.¹ • Warm Comfort Light (2500 K): the first energy-saving lamp with a warm light similar to that of an incandescent lamp.  • Average life of up to 10 years (10,000 hours).^{2,3} • White icon bar as a sign of good quality.

¹ Compared with appropriate conventional incandescent lamps. | ² Switching cycle 90 min on, 15 min off. | ³ Average life if used for about 2.7 hours a day.

Gold for specialists.



OSRAM DULUX® INTELLIGENT
Longlife/Facility

OSRAM DULUX® INTELLIGENT
Vario

OSRAM DULUX® INTELLIGENT
DIM

OSRAM DULUX® INTELLIGENT
Sensor

OSRAM DULUX® INTELLIGENT
High Efficiency



OSRAM DULUX® INTELLIGENT

- OSRAM DULUX® INTELLIGENT Facility with Quick light technology, “heavy-duty” switching capability, dc compatibility and suitability for emergency lighting systems.
- OSRAM DULUX® INTELLIGENT Longlife, the high-end product for professional applications.
- OSRAM DULUX® INTELLIGENT Vario with integrated 2-stage dimmer function.
- OSRAM DULUX® INTELLIGENT DIM offers smooth infinitely variable dimming from 7 percent to 100 percent with on/off switching at any dimming level.
- OSRAM DULUX® INTELLIGENT Sensor with self-test function and light sensor, which can detect daylight but is not affected by its own light.
- OSRAM DULUX® INTELLIGENT High Efficiency offers a new dimension in efficiency with up to 75 lm/W in attractive Spiral and Classic versions.¹
- Up to 80 percent lower energy consumption.²
- Extra long average life of up to 20 years (20,000 hours).^{3,4}

Silver for comfort seekers.



OSRAM DULUX® SUPERSTAR
Mini Globe



OSRAM DULUX® SUPERSTAR
Mini Candle



OSRAM DULUX® SUPERSTAR
Micro Twist



OSRAM DULUX® SUPERSTAR
Reflector



OSRAM DULUX® SUPERSTAR

- OSRAM DULUX® lamps with Quick light achieve their full output twice as quickly as conventional energy-saving lamps.
- Available in light color 2500K (Warm Comfort Light).
- Stick and Twist versions are available in 4000K (Cool white) and 6500K (Cool Daylight) light colors.
- Long average life of up to 15 years (15,000 hours).^{1, 2}
- E14, E27 or B22d bases.
- Up to 80 percent lower energy consumption.³

White for the price-conscious.



OSRAM DULUXSTAR®



- Available in light color 2500K (Warm Comfort Light).
- Stick and Twist versions are available in 4000K (Cool white) and 6500K (Cool Daylight) light colors.
- Average life of up to 10 years (10,000 hours).^{1,2}

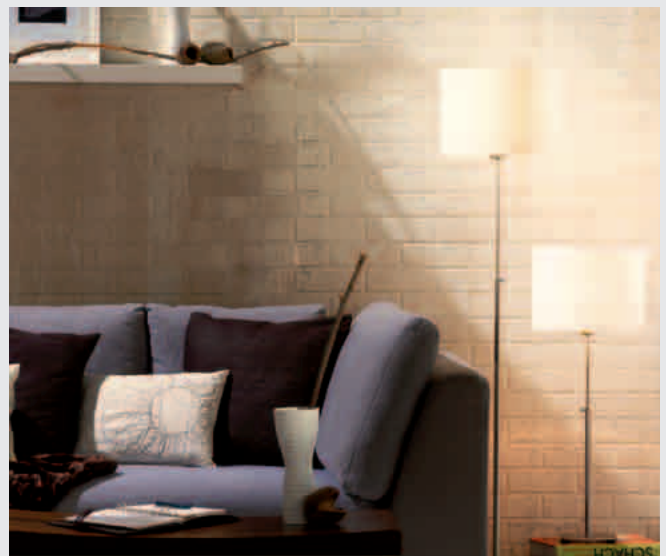
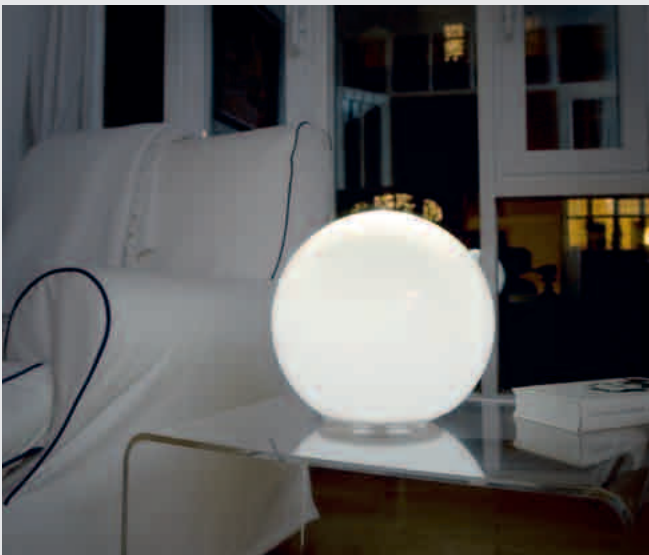
- E14, E27, GU10, G9 and B22d bases.
- Up to 80 percent lower energy consumption.³

Change to feel-good light.



Make your customers comfortable. Energy-saving lamps from OSRAM provide bright, warm and inviting light throughout the home.

All thanks to Warm Comfort Light. With a color temperature of 2500 K this new energy-saving light color from OSRAM is very similar to the light from incandescent lamps. So any room can be turned into feel-good zone.



Light similar to than of an incandescent lamp: energy-saving lamps from OSRAM provide a warm and pleasant light – thanks to innovative Warm Comfort Light technology.

The switch to lumens.

Why lumens instead of watts? As incandescent lamps disappear from the market it will no longer make sense to use the watt as a reference value for the light output of a lamp. Modern lamp technologies need very different amounts of power to produce the same light output. It is therefore more appropriate to indicate the luminous flux in lumen. This unit is defined as all the light emitted from a light source in all directions. The brightness of different lamp technologies can therefore be easily compared.


What are the benefits of indicating brightness in lumen?

- More accurate indication of the light output of a lamp.
- Better comparison between different types of lamp.
- Greater transparency for selecting appropriate replacements for conventional incandescent lamps.

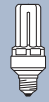
What do I need to think about when replacing a conventional incandescent lamp?

Example: Your 60W incandescent lamp has 710 lumen. You can choose either an energy-saving lamp (such as OSRAM DULUX® SUPERSTAR Mini Globe) at 11 W/630 lumen (more economical) or the same model at 15 W/850 lumen (somewhat brighter).


We recommend the following comparable wattages




25 W = 220 lm →	5 W = 270 lm
40 W = 415 lm →	7 W = 380 lm
60 W = 710 lm →	11 W = 640 lm
75 W = 935 lm →	14 W = 820 lm
100 W = 1340 lm →	18 W = 1140 lm
120 W = 1660 lm →	22 W = 1440 lm
150 W = 2160 lm →	30 W = 1940 lm




OSRAM DULUX® INTELLIGENT Longlife




25 W = 220 lm →	5 W = 270 lm
40 W = 415 lm →	7 W = 380 lm
60 W = 710 lm →	11 W = 640 lm
75 W = 935 lm →	14 W = 820 lm
100 W = 1340 lm →	18 W = 1140 lm
120 W = 1660 lm →	22 W = 1440 lm
150 W = 2160 lm →	30 W = 1940 lm




OSRAM DULUX® SUPERSTAR Stick




40 W = 415 lm →	7 W = 420 lm
60 W = 710 lm →	11 W = 650 lm
75 W = 935 lm →	14 W = 860 lm
100 W = 1340 lm →	18 W = 1200 lm
120 W = 1660 lm →	23 W = 1600 lm




OSRAM DULUX® SUPERSTAR Micro Twist




25 W = 220 lm →	5 W = 240 lm
40 W = 415 lm →	7 W = 310 lm
60 W = 710 lm →	11 W = 630 lm
75 W = 935 lm →	15 W = 850 lm
100 W = 1340 lm →	20 W = 1160 lm




OSRAM DULUX® SUPERSTAR Mini Globe
OSRAM DULUXSTAR® Mini Globe




25 W = 220 lm →	5 W = 240 lm
40 W = 415 lm →	7 W = 310 lm
60 W = 710 lm →	11 W = 630 lm
75 W = 935 lm →	15 W = 850 lm
100 W = 1340 lm →	20 W = 1160 lm




OSRAM DULUX® SUPERSTAR Mini Ball
OSRAM DULUXSTAR® Mini Ball




25 W = 220 lm →	5 W = 250 lm
40 W = 415 lm →	8 W = 400 lm
60 W = 710 lm →	11 W = 600 lm
75 W = 935 lm →	14 W = 770 lm
100 W = 1340 lm →	21 W = 1230 lm
120 W = 1660 lm →	24 W = 1445 lm
150 W = 2160 lm →	30 W = 1940 lm




OSRAM DULUXSTAR® Stick




25 W = 220 lm →	5 W = 240 lm
40 W = 415 lm →	7 W = 280 lm
60 W = 710 lm →	10 W = 445 lm




OSRAM DULUX® SUPERSTAR Mini Candle
OSRAM DULUXSTAR® Mini Candle




75 W = 935 lm →	14 W = 860 lm
100 W = 1340 lm →	18 W = 1060 lm



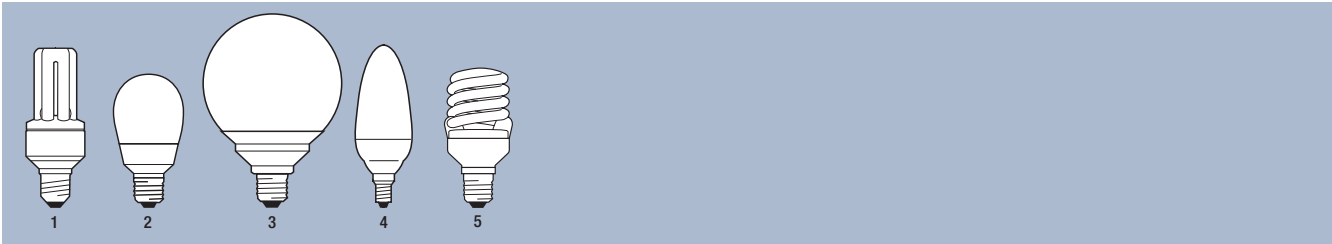
OSRAM DULUX® SUPERSTAR Globe
OSRAM DULUXSTAR® Globe



25 W = 220 lm →	5 W = 250 lm
40 W = 415 lm →	8 W = 440 lm
60 W = 710 lm →	11 W = 660 lm
75 W = 935 lm →	13 W = 720 lm
100 W = 1340 lm →	18 W = 1150 lm
120 W = 1660 lm →	23 W = 1450 lm



OSRAM DULUXSTAR® Mini Twist

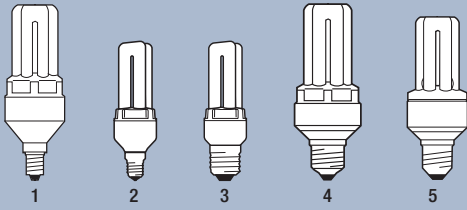


OSRAM DULUX® INTELLIGENT energy-saving lamps

Type Order reference	Fig. no.	Product number (EAN code) Box	Watt	Base	Luminous flux lm	Length mm	Dia- meter mm	Average ^{1,4} life h	Light color
OSRAM DULUX® INTELLIGENT Facility									
DINT FCY 10W/825 E14 ²	1	4008321126276	10	E14	580	129	45	20,000	Warm Comfort Light
DINT FCY 10W/825 E27 ²	1	4008321126290	10	E27	580	120	45	20,000	Warm Comfort Light
DINT FCY 14W/825 E27 ²	1	4050300631905	14	E27	800	126	45	20,000	Warm Comfort Light
DINT FCY 18W/825 E27 ²	1	4008321118356	18	E27	1,050	140	45	20,000	Warm Comfort Light
DINT FCY 22W/825 E27 ²	1	4008321948519	22	E27	1,360	171	52	20,000	Warm Comfort Light
OSRAM DULUX® INTELLIGENT Vario									
DINT VARIO 18W/825 E27	1	4008321953421	18	E27	1,160	148	45	20,000	Warm Comfort Light
DINT VARIO MIBA 15W/825 E27	2	4008321953483	15	E27	850	124	60	20,000	Warm Comfort Light
OSRAM DULUX® INTELLIGENT Vario 12 V									
DINT VARIO 11W/825 E27	1	4008321118417	11	E27	560	130	45	10,000	Warm Comfort Light
DINT VARIO 11W/840 E27	1	4008321118936	11	E27	560	130	45	10,000	Cool White
OSRAM DULUX® INTELLIGENT DIM									
DINT DIM 18W/825 E27 ³	1	4008321953445	18	E27	1,140	161	52	20,000	Warm Comfort Light
DINT DIM GL 15W/825 E27 ³	3	4008321924209	15	E27	840	170	120	20,000	Warm Comfort Light
DINT DIM MIBA 15W/825 E27 ³	2	4008321953520	15	E27	in prep.	in prep.	in prep.	20,000	Warm Comfort Light
DINT DIM MICA 11W/825 E14 ³	4	4008321953568	11	E14	in prep.	in prep.	in prep.	20,000	Warm Comfort Light
DINT DIM TWIST 20W/825 E27 ³	5	4008321953605	20	E27	in prep.	in prep.	in prep.	20,000	Warm Comfort Light
OSRAM DULUX® INTELLIGENT Solar 12 V									
DINT 11W/825 E27	1	4008321118370	11	E27	560	130	45	10,000	Warm Comfort Light
DINT 11W/840 E27	1	4008321118394	11	E27	560	130	45	10,000	Cool White
OSRAM DULUX® INTELLIGENT Sensor									
DINT SENSOR 11W/825 E27	1	4008321102300	11	E27	600	120	45	20,000	Warm Comfort Light
DINT SENSOR 15W/825 E27	1	4050300451299	15	E27	850	132	45	20,000	Warm Comfort Light
DINT SENSOR MIBA 11W/825 E27	2	4008321377722	11	E27	630	114	60	10,000	Warm Comfort Light
OSRAM DULUX® INTELLIGENT High Efficiency									
DINT HE MIBA 11W/825	2	4008321965882	11	E27	770	114	60	15,000	Warm Comfort Light
DINT HE MIBA 15W/825	2	4008321965899	15	E27	970	124	60	15,000	Warm Comfort Light
DINT HE MICROTWIST 10W/825	5	4008321965905	10	E27	770	112	47	15,000	Warm Comfort Light
DINT HE MICROTWIST 14W/825	5	4008321965912	14	E27	970	112	47	15,000	Warm Comfort Light
DINT HE MICROTWIST 20W/825	5	4008321965929	20	E27	1,400	125	47	15,000	Warm Comfort Light

¹ Switching cycle 90 min on, 15 min off. | ² Can be used for dc applications without restrictions and in emergency systems (176 to 310 V). | ³ Can be used in all applications with suitable leading-edge phase dimmers. | ⁴ Average life if used for about 2.7 hours a day.

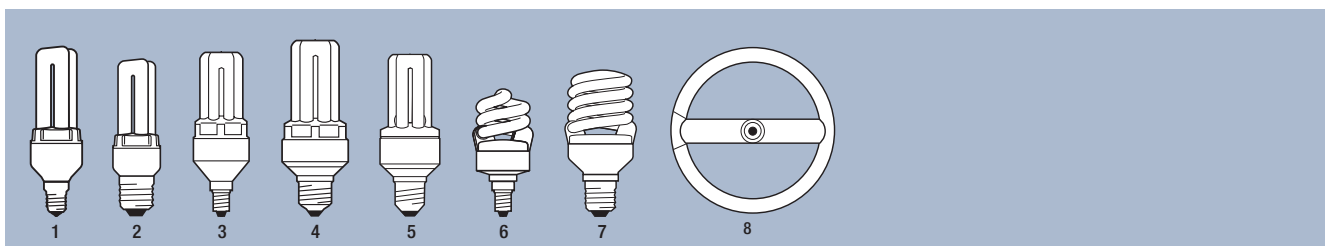
TECHNICAL DATA FOR OSRAM DULUX® INTELLIGENT



OSRAM DULUX® INTELLIGENT energy-saving lamps

Type Order reference	Fig. no.	Product number (EAN code) Box	Watt	Base	Luminous flux lm	Length mm	Dia- meter mm	Average ^{1,2} life h	Light color
OSRAM DULUX® INTELLIGENT Longlife									
DINT LL 5W/825 E14	2	4050300314747	5	E14	270	122	36	20,000	Warm Comfort Light
DINT LL 5W/825 E27	3	4050300357430	5	E27	270	116	36	20,000	Warm Comfort Light
DINT LL 7W/825 E14	2	4050300315157	7	E14	380	122	36	20,000	Warm Comfort Light
DINT LL 7W/825 E27	3	4050300288819	7	E27	380	116	36	20,000	Warm Comfort Light
DINT LL 11W/825 E14	1	4050300811451	11	E14	640	129	45	20,000	Warm Comfort Light
DINT LL 11W/825 E27	3	4050300811598	11	E27	640	120	45	20,000	Warm Comfort Light
DINT LL 14W/825 E27	4	4008321394965	14	E27	820	131	45	20,000	Warm Comfort Light
DINT LL 18W/825 E27	4	4008321394989	18	E27	1,140	148	45	20,000	Warm Comfort Light
DINT LL 22W/825 E27	5	4008321953469	22	E27	1,440	176	58	20,000	Warm Comfort Light
DINT LL 30W/825 E27	5	4008321935939	30	E27	1,940	195	58	20,000	Warm Comfort Light
DINT LL 5W/840 E14	2	4008321395436	5	E14	270	122	36	20,000	Cool White
DINT LL 5W/840 E27	3	4008321394149	5	E27	270	116	36	20,000	Cool White
DINT LL 7W/840 E14	2	4008321395498	7	E14	380	122	36	20,000	Cool White
DINT LL 7W/840 E27	3	4050300292373	7	E27	380	116	36	20,000	Cool White
DINT LL 11W/840 E14	1	4008321395535	11	E14	640	129	45	20,000	Cool White
DINT LL 11W/840 E27	3	4050300811727	11	E27	640	120	45	20,000	Cool White
DINT LL 14W/840 E27	4	4008321394200	14	E27	800	131	45	20,000	Cool White
DINT LL 18W/840 E27	4	4008321394224	18	E27	1,140	148	45	20,000	Cool White
DINT LL 22W/840 E27	5	4008321953476	22	E27	1,440	176	58	20,000	Cool White
DINT LL 30W/840 E27	5	4050300856841	30	E27	1,940	195	58	20,000	Cool White

¹ Switching cycle 90 min on, 15 min off. | ² Average life if used for about 2.7 hours a day.

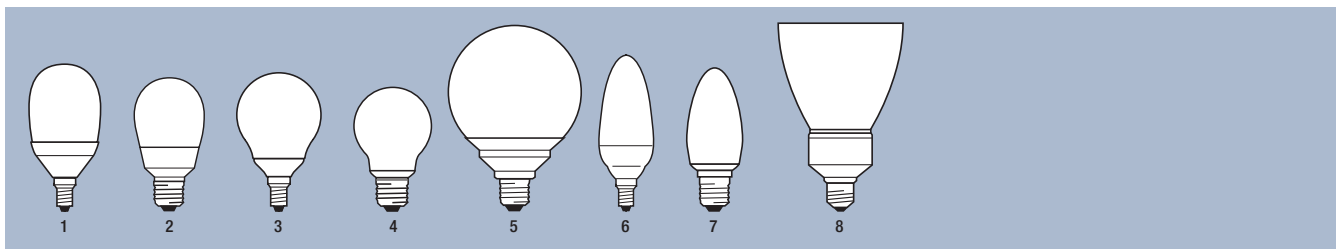


OSRAM DULUX® SUPERSTAR energy-saving lamps

Type Order reference	Fig. no.	Product number (EAN code) Box	Watt	Base	Luminous flux lm	Length mm	Dia- meter mm	Average ¹ life h	Light color
OSRAM DULUX® SUPERSTAR Stick									
DSST 5W/825 E14	1	4008321942845	5	E14	270	122	36	15,000	Warm Comfort Light
DSST 5W/825 E27	2	4008321942852	5	E27	270	116	36	15,000	Warm Comfort Light
DSST 7W/825 E14	1	4008321942876	7	E14	380	122	36	15,000	Warm Comfort Light
DSST 7W/825 E27	2	4008321942883	7	E27	380	116	36	15,000	Warm Comfort Light
DSST 11W/825 E14	3	4008321942913	11	E14	640	129	45	15,000	Warm Comfort Light
DSST 11W/825 E27	4	4008321942920	11	E27	640	120	45	15,000	Warm Comfort Light
DSST 14W/825 E27	4	4008321942968	14	E27	820	131	45	15,000	Warm Comfort Light
DSST 18W/825 E27	4	4008321943002	18	E27	1,140	148	45	15,000	Warm Comfort Light
DSST 22W/825 E27	5	4008321953360	22	E27	1,440	176	58	15,000	Warm Comfort Light
DSST 30W/825 E27	5	4008321942753	30	E27	1,940	195	58	15,000	Warm Comfort Light
DSST 5W/840 E14	1	4008321948571	5	E14	270	122	36	15,000	Cool White
DSST 5W/840 E27	2	4008321948595	5	E27	270	116	36	15,000	Cool White
DSST 7W/840 E14	1	4008321948618	7	E14	380	122	36	15,000	Cool White
DSST 7W/840 E27	2	4008321942890	7	E27	380	116	36	15,000	Cool White
DSST 11W/840 E14	3	4008321948649	11	E14	640	129	45	15,000	Cool White
DSST 11W/840 E27	4	4008321942937	11	E27	640	120	45	15,000	Cool White
DSST 14W/840 E27	4	4008321942975	14	E27	820	131	45	15,000	Cool White
DSST 18W/840 E27	4	4008321943019	18	E27	1,140	148	45	15,000	Cool White
DSST 22W/840 E27	5	4008321953384	22	E27	1,440	176	58	15,000	Cool White
DSST 30W/840 E27	5	4008321942760	30	E27	1,940	195	58	15,000	Cool White
OSRAM DULUX® SUPERSTAR Micro Twist									
DSST MICRO TWIST 7W/825 E14	6	4008321948922	7	E14	420	92	42	12,000	Warm Comfort Light
DSST MICRO TWIST 7W/825 E27	7	4008321948953	7	E27	420	88	42	12,000	Warm Comfort Light
DSST MICRO TWIST 11W/825 E14	6	4008321949004	11	E14	650	100	42	12,000	Warm Comfort Light
DSST MICRO TWIST 11W/825 E27	7	4008321948991	11	E27	650	93	42	12,000	Warm Comfort Light
DSST MICRO TWIST 14W/825 E27	7	4008321949066	14	E27	860	103	55	12,000	Warm Comfort Light
DSST MICRO TWIST 18W/825 E27	7	4008321949103	18	E27	1,200	111	55	12,000	Warm Comfort Light
DSST MICRO TWIST 23W/825 E27	7	4008321949141	23	E27	1,600	119	55	12,000	Warm Comfort Light
DSST MICRO TWIST 7W/840 E14	6	4008321948939	7	E14	420	92	42	12,000	Cool White
DSST MICRO TWIST 7W/840 E27	7	4008321948960	7	E27	420	88	42	12,000	Cool White
DSST MICRO TWIST 11W/840 E14	6	4008321949028	11	E14	650	100	42	12,000	Cool White
DSST MICRO TWIST 11W/840 E27	7	4008321949011	11	E27	650	93	42	12,000	Cool White
DSST MICRO TWIST 14W/840 E27	7	4008321949073	14	E27	860	103	55	12,000	Cool White
DSST MICRO TWIST 18W/840 E27	7	4008321949110	18	E27	1,200	111	55	12,000	Cool White
DSST MICRO TWIST 23W/840 E27	7	4008321949158	23	E27	1,600	119	55	12,000	Cool White
OSRAM DULUX® SUPERSTAR CIRCOLUX®									
DSST CIRCOLUX 24W/825 E27	8	4050300626628	24	E27	1,700	99	230	15,000	Warm Comfort Light
DSST CIRCOLUX 24W/840 E27	8	4050300623603	24	E27	1,700	99	230	15,000	Cool White

¹ Average life if used for about 2.7 hours a day.

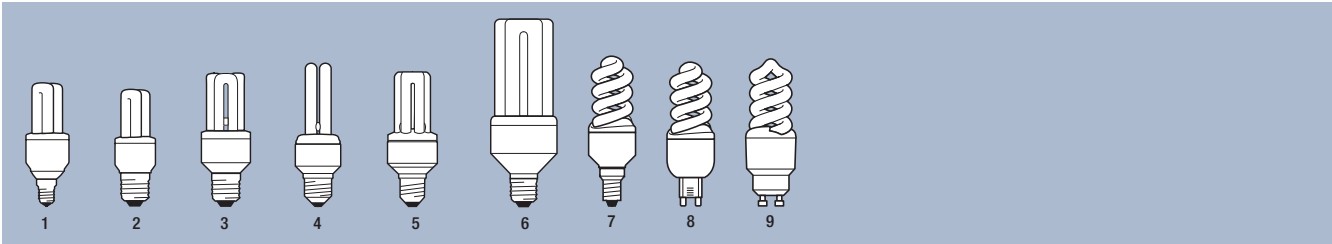
TECHNICAL DATA FOR OSRAM DULUXSTAR®



OSRAM DULUX® SUPERSTAR energy-saving lamps

Type Order reference	Fig. no.	Product number (EAN code) Box	Watt	Base	Luminous flux lm	Length mm	Dia- meter mm	Average ¹ life h	Light color
OSRAM DULUX® SUPERSTAR Mini Ball									
DSST MIBA 5W/825 E14	1	4008321943439	5	E14	240	105	50	15,000	Warm Comfort Light
DSST MIBA 7W/825 E14	1	4008321943453	7	E14	310	105	50	15,000	Warm Comfort Light
DSST MIBA 11W/825 E27	2	4008321943477	11	E27	630	114	60	15,000	Warm Comfort Light
DSST MIBA 15W/825 E27	2	4008321943507	15	E27	850	124	60	15,000	Warm Comfort Light
DSST MIBA 20W/825 E27	2	4008321949349	20	E27	1,160	155	65	15,000	Warm Comfort Light
OSRAM DULUX® SUPERSTAR Mini Globe									
DSST MIGL 5W/825 E14	3	4008321943651	5	E14	240	105	57	15,000	Warm Comfort Light
DSST MIGL 5W/825 E27	4	4008321943637	5	E27	240	98	57	15,000	Warm Comfort Light
DSST MIGL 7W/825 E14	3	4008321943699	7	E14	310	105	57	15,000	Warm Comfort Light
DSST MIGL 7W/825 E27	4	4008321943675	7	E27	310	98	57	15,000	Warm Comfort Light
DSST MIGL 11W/825 E27	4	4008321943712	11	E27	630	114	72	15,000	Warm Comfort Light
DSST MIGL 15W/825 E27	4	4008321943736	15	E27	850	124	80	15,000	Warm Comfort Light
DSST MIGL 20W/825 E27	4	4008321949363	20	E27	1,160	166	95	15,000	Warm Comfort Light
OSRAM DULUX® SUPERSTAR Globe									
DSST GL 14W/825 E27	5	4008321943873	14	E27	860	170	120	15,000	Warm Comfort Light
DSST GL 18W/825 E27	5	4008321943880	18	E27	1,060	170	120	15,000	Warm Comfort Light
OSRAM DULUX® SUPERSTAR Mini Candle									
DSST MICA 5W/825 E14	6	4008321944535	5	E14	240	107	39	15,000	Warm Comfort Light
DSST MICA 5W/825 E27	7	4008321944542	5	E27	240	102	39	15,000	Warm Comfort Light
DSST MICA 7W/825 E14	6	4008321944559	7	E14	286	107	39	15,000	Warm Comfort Light
DSST MICA 7W/825 E27	7	4008321944566	7	E27	286	102	39	15,000	Warm Comfort Light
DSST MICA 10W/825 E14	6	4008321949424	10	E14	445	124	39	15,000	Warm Comfort Light
DSST MICA 10W/825 E27	7	4008321949448	10	E27	445	119	39	15,000	Warm Comfort Light
OSRAM DULUX® SUPERSTAR Reflector									
DSST R 14W/825 E27	8	4008321396440	14	E27	200 cd	146	99	15,000	Warm Comfort Light
DSST R 18W/825 E27	8	4008321396396	18	E27	310 cd	159	117	15,000	Warm Comfort Light
DSST R 14W/840 E27	8	4008321396464	14	E27	200 cd	146	99	15,000	Cool White
DSST R 18W/840 E27	8	4008321396419	18	E27	310 cd	159	117	15,000	Cool White

¹Average life if used for about 2.7 hours a day.



OSRAM DULUXSTAR® energy-saving lamps

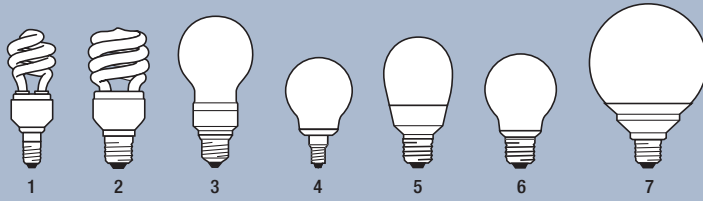
Type Order reference	Fig. no.	Product number (EAN code) Box	Watt	Base	Luminous flux lm	Length mm	Dia- meter mm	Average ^{1,2} life h	Light color
OSRAM DULUXSTAR® Stick									
DSTAR 5W/825 E14	1	4008321063175	5	E14	250	114	36	10,000	Warm Comfort Light
DSTAR 5W/825 E27	2	4008321063144	5	E27	250	111	36	10,000	Warm Comfort Light
DSTAR 8W/825 E14	1	4008321063236	8	E14	400	117	44	10,000	Warm Comfort Light
DSTAR 8W/825 E27	3	4008321063205	8	E27	400	114	44	10,000	Warm Comfort Light
DSTAR 11W/825 E27	3	4008321063267	11	E27	600	125	44	10,000	Warm Comfort Light
DSTAR 14W/825 E27	3	4008321063298	14	E27	770	136	44	10,000	Warm Comfort Light
DSTAR 17W/825 E27	4	4008321063441	17	E27	950	172	45	10,000	Warm Comfort Light
DSTAR 21W/825 E27	5	4008321063526	21	E27	1,230	161	52	10,000	Warm Comfort Light
DSTAR 24W/825 E27	5	4008321063502	24	E27	1,445	179	52	10,000	Warm Comfort Light
DSTAR 30W/825 E27	6	4008321181213	30	E27	1,940	195	58	10,000	Warm Comfort Light
DSTAR 8W/840 E14	1	4008321361721	8	E14	400	117	44	10,000	Cool White
DSTAR 8W/840 E27	3	4008321361752	8	E27	400	114	44	10,000	Cool White
DSTAR 11W/840 E27	3	4008321319197	11	E27	600	125	44	10,000	Cool White
DSTAR 14W/840 E27	3	4008321319159	14	E27	770	136	44	10,000	Cool White
DSTAR 17W/840 E27	4	4008321945891	17	E27	950	172	45	10,000	Cool White
DSTAR 21W/840 E27	5	4008321319210	21	E27	1,230	161	52	10,000	Cool White
DSTAR 24W/840 E27	5	4008321396518	24	E27	1,445	179	52	10,000	Cool White
DSTAR 30W/840 E27	6	4008321181237	30	E27	1,940	195	58	10,000	Cool White
DSTAR 8W/865 E14	1	4008321361783	8	E14	380	117	44	10,000	Cool Daylight
DSTAR 11W/865 E27	3	4008321246783	11	E27	550	125	44	10,000	Cool Daylight
DSTAR 14W/865 E27	3	4008321246820	14	E27	730	136	44	10,000	Cool Daylight
DSTAR 21W/865 E27	5	4008321063489	21	E27	1,230	161	52	10,000	Cool Daylight

OSRAM DULUXSTAR® Nano Twist

DST NANO TW 5W/825 E14	7	4008321510914	5	E14	270	87	30	8,000	Warm Comfort Light
DST NANO TW 5W/825 G9	8	4008321510730	5	G9	270	80	30	8,000	Warm Comfort Light
DST NANO TW 5W/825 GU10	9	4008321548900	5	GU10	270	80	30	8,000	Warm Comfort Light
DST NANO TW 7W/825 E14	7	4008321510976	7	E14	400	97	30	8,000	Warm Comfort Light
DST NANO TW 7W/825 G9	8	4008321510792	7	G9	400	90	30	8,000	Warm Comfort Light
DST NANO TW 7W/825 GU10	9	4008321549082	7	GU10	400	90	30	8,000	Warm Comfort Light
DST NANO TW 9W/825 E14	7	4008321511034	9	E14	480	105	30	8,000	Warm Comfort Light
DST NANO TW 9W/825 G9	8	4008321510853	9	G9	480	98	30	8,000	Warm Comfort Light
DST NANO TW 9W/825 GU10	9	4008321549228	9	GU10	480	98	30	8,000	Warm Comfort Light
DST NANO TW 5W/840 E14	7	4008321508898	5	E14	270	87	30	8,000	Cool white
DST NANO TW 5W/840 G9	8	4008321956149	5	G9	270	80	30	8,000	Cool white
DST NANO TW 5W/840 GU10	9	4008321548979	5	GU10	270	80	30	8,000	Cool white
DST NANO TW 7W/840 E14	7	4008321509000	7	E14	400	97	30	8,000	Cool white
DST NANO TW 7W/840 G9	8	4008321956163	7	G9	400	90	30	8,000	Cool white
DST NANO TW 7W/840 GU10	9	4008321549167	7	GU10	400	90	30	8,000	Cool white
DST NANO TW 9W/840 E14	7	4008321509062	9	E14	480	105	30	8,000	Cool white
DST NANO TW 9W/840 G9	8	4008321956934	9	G9	480	98	30	8,000	Cool white
DST NANO TW 9W/840 GU10	9	4008321549280	9	GU10	480	98	30	8,000	Cool white

¹ Average life if used for about 2.7 hours a day.

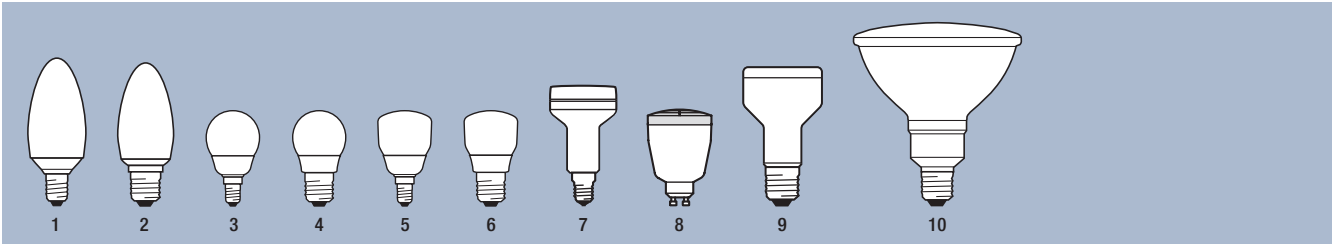
TECHNICAL DATA FOR OSRAM DULUXSTAR®



OSRAM DULUXSTAR® energy-saving lamps

Type Order reference	Fig. no.	Product number (EAN code) Box	Watt	Base	Luminous flux lm	Length mm	Dia- meter mm	Average ¹ life h	Light color
OSRAM DULUXSTAR® Mini Twist									
DSTAR MITW 5W/825 E14	1	4008321334633	5	E14	250	94	37	8,000	Warm Comfort Light
DSTAR MITW 5W/825 E27	2	4008321334602	5	E27	250	77	42	8,000	Warm Comfort Light
DSTAR MITW 8W/825 E14	1	4008321334510	8	E14	440	103	37	8,000	Warm Comfort Light
DSTAR MITW 8W/825 E27	2	4008321334480	8	E27	440	85	48	8,000	Warm Comfort Light
DSTAR MITW 11W/825 E14	1	4008321334398	11	E14	660	109	42	8,000	Warm Comfort Light
DSTAR MITW 11W/825 E27	2	4008321334367	11	E27	660	93	48	8,000	Warm Comfort Light
DSTAR MTW 13W/825 E27	2	4008321293985	13	E27	720	118	52	8,000	Warm Comfort Light
DSTAR MTW 18W/825 E27	2	4008321294029	18	E27	1,150	125	56	8,000	Warm Comfort Light
DSTAR MTW 23W/825 E27	2	4008321294067	23	E27	1,450	134	56	8,000	Warm Comfort Light
DSTAR MITW 5W/840 E14	1	4008321334695	5	E14	250	94	37	8,000	Cool White
DSTAR MITW 5W/840 E27	2	4008321334664	5	E27	250	77	42	8,000	Cool White
DSTAR MITW 8W/840 E14	1	4008321334572	8	E14	440	103	37	8,000	Cool White
DSTAR MITW 8W/840 E27	2	4008321334541	8	E27	440	85	48	8,000	Cool White
DSTAR MITW 11W/840 E14	1	4008321334459	11	E14	660	109	42	8,000	Cool White
DSTAR MITW 11W/840 E27	2	4008321334428	11	E27	660	93	48	8,000	Cool White
DSTAR MTW 13W/840 E27	2	4008321294920	13	E27	720	118	52	8,000	Cool White
DSTAR MTW 18W/840 E27	2	4008321294944	18	E27	1,150	125	56	8,000	Cool White
DSTAR MTW 23W/840 E27	2	4008321294968	23	E27	1,450	134	56	8,000	Cool White
DSTAR MITW 11W/865 E27	2	4008321343895	11	E27	600	93	48	8,000	Cool Daylight
DSTAR MTW 13W/865 E27	2	4008321294005	13	E27	690	118	52	8,000	Cool Daylight
DSTAR MTW 18W/865 E27	2	4008321294043	18	E27	1,010	125	56	8,000	Cool Daylight
DSTAR MTW 23W/865 E27	2	4008321294081	23	E27	1,380	134	56	8,000	Cool Daylight
OSRAM DULUXSTAR® Classic A									
DSTAR CL A 11W/825 E27	3	4008321946263	11	E27	620	117	60	10,000	Warm Comfort Light
DSTAR CL A 20W/825 E27	3	4008321399878	20	E27	1,160	155	70	10,000	Warm Comfort Light
OSRAM DULUXSTAR® Mini Ball									
DSTAR MIBA 5W/825 E14	4	4008321946300	5	E14	240	105	50	10,000	Warm Comfort Light
DSTAR MIBA 7W/825 E14	4	4008321946324	7	E14	310	105	50	10,000	Warm Comfort Light
DSTAR MIBA 11W/825 E27	5	4008321125705	11	E27	630	114	60	10,000	Warm Comfort Light
DSTAR MIBA 15W/825 E27	5	4008321125644	15	E27	850	124	60	10,000	Warm Comfort Light
DSTAR MIBA 20W/825 E27	5	4008321946409	20	E27	1,160	155	65	10,000	Warm Comfort Light
OSRAM DULUXSTAR® Mini Globe									
DSTAR MIGL 5W/825 E14	4	4008321205490	5	E14	240	105	57	10,000	Warm Comfort Light
DSTAR MIGL 5W/825 E27	6	4008321205476	5	E27	240	98	57	10,000	Warm Comfort Light
DSTAR MIGL 7W/825 E14	4	4008321205551	7	E14	310	105	57	10,000	Warm Comfort Light
DSTAR MIGL 7W/825 E27	6	4008321205537	7	E27	310	98	57	10,000	Warm Comfort Light
DSTAR MIGL 11W/825 E27	6	4008321205575	11	E27	630	114	72	10,000	Warm Comfort Light
DSTAR MIGL 15W/825 E27	6	4008321205599	15	E27	850	124	80	10,000	Warm Comfort Light
DSTAR MIGL 20W/825 E27	6	4008321946546	20	E27	1,160	166	95	10,000	Warm Comfort Light
OSRAM DULUXSTAR® Globe									
DSTAR GL 14W/825 E27	7	4008321946560	14	E27	860	170	120	10,000	Warm Comfort Light
DSTAR GL 18W/825 E27	7	4008321946577	18	E27	1,060	170	120	10,000	Warm Comfort Light

¹Average life if used for about 2.7 hours a day.



OSRAM DULUXSTAR® energy-saving lamps

Type Order reference	Fig. no.	Product number (EAN code) Box	Watt	Base	Luminous flux lm	Length mm	Dia- meter mm	Average ¹ life h	Light color
OSRAM DULUXSTAR® Mini Candle									
DSTAR MICA 5W/825 E14	1	4008321944450	5	E14	240	107	39	10,000	Warm Comfort Light
DSTAR MICA 5W/825 E27	2	4008321944467	5	E27	240	102	39	10,000	Warm Comfort Light
DSTAR MICA 7W/825 E14	1	4008321944474	7	E14	286	107	39	10,000	Warm Comfort Light
DSTAR MICA 7W/825 E27	2	4008321944481	7	E27	286	102	39	10,000	Warm Comfort Light
DSTAR MICA 10W/825 E14	1	4008321946621	10	E14	445	124	39	10,000	Warm Comfort Light
DSTAR MICA 10W/825 E27	2	4008321946645	10	E27	445	119	39	10,000	Warm Comfort Light
OSRAM DULUXSTAR® Mini Bullet									
DSTAR MIBU P 5W/825 E14	3	4008321956200	5	E14	210	87	45	10,000	Warm Comfort Light
DSTAR MIBU P 5W/825 E27	4	4008321956187	5	E27	210	84	45	10,000	Warm Comfort Light
DSTAR MIBU P 7W/825 E14	3	4008321956286	7	E14	300	87	45	10,000	Warm Comfort Light
DSTAR MIBU P 7W/825 E27	4	4008321956262	7	E27	300	84	45	10,000	Warm Comfort Light
DSTAR MIBU T 5W/825 E14	5	4008321956774	5	E14	210	87	45	10,000	Warm Comfort Light
DSTAR MIBU T 5W/825 E27	6	4008321956750	5	E27	210	84	45	10,000	Warm Comfort Light
DSTAR MIBU T 7W/825 E14	5	4008321956811	7	E14	300	87	45	10,000	Warm Comfort Light
DSTAR MIBU T 7W/825 E27	6	4008321956798	7	E27	300	84	45	10,000	Warm Comfort Light
OSRAM DULUXSTAR® Target Spot									
DSTAR R50 7W/825 E14	7	4008321234223	7	E14	50 cd	94	50	10,000	Warm Comfort Light
DSTAR R50 7W/825 GU10	8	4008321938572	7	GU10	50 cd	79	50	10,000	Warm Comfort Light
DSTAR R50 9W/825 E14	7	4008321946706	9	E14	63 cd	106	50	10,000	Warm Comfort Light
DSTAR R50 9W/825 GU10	8	4008321946720	9	GU10	63 cd	92	50	10,000	Warm Comfort Light
DSTAR R63 11W/825 E27	9	4008321938602	11	E27	80 cd	108	63	10,000	Warm Comfort Light
DSTAR R63 13W/825 E27	9	4008321946744	13	E27	95 cd	124	63	10,000	Warm Comfort Light
DSTAR PAR 38 20W/827 E27	10	4008321162878	20	E27	320 cd	138	123	10,000	Warm White

¹ Average life if used for about 2.7 hours a day.

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