



LED light is multifaceted

In a class of its own: OSRAM's new
LED lamp product range

Because for us, only better will do

Light is OSRAM



Modern technology, innovation and efficiency: a great selection and quality



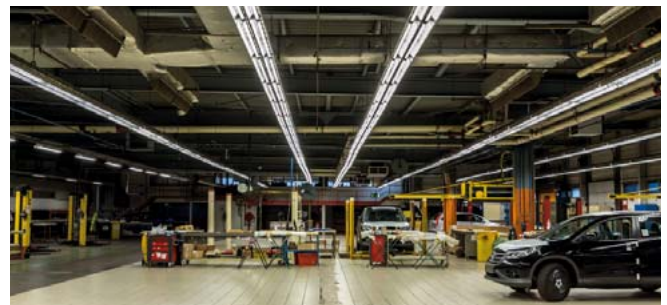
The highlights of the new product range:

Reflectors and lamps with a traditional bulb design:

- Completely optimized and expanded PARATHOM® PRO portfolio
- PAR16 reflector lamps available up to 80W replacement
- MR16 reflector lamps available up to 50W replacement and in optimized sizes
- Complete full-glass RETROFIT portfolio in vintage design
- New AR111 reflector lamps in non-dimmable versions for standard applications
- Dimmable MR11 and R50 reflector lamps in compact sizes
- Dimmable CLASSIC A available up to 100W replacement in small sizes
- Dimmable and non-dimmable GLOBE lamps

SubstiTUBE® LED tubes:

- First ECG-compatible LED tube (HF) that meets the new safety standard IEC62776
- Tubes with rotatable end caps that facilitate the exact setting of the beam angle
- Improved energy efficiency of up to +15% of the CCG-compatible models (EM)
- HF and EM types with the same specifications
- Improved guarantee terms for the value and basic versions: 3 and 5 years*
- All advanced and basic versions have been certified in accordance with the standards of the German Association for Electrical, Electronic & Information Technologies (VDE)

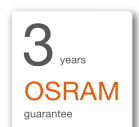
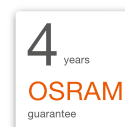
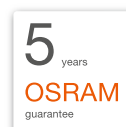


Reliable and longer use for your lamps

- 5-year guarantee* for PARATHOM® PRO, PARATHOM® ADVANCED, SubstiTUBE® Advanced and Basic
- 4-year guarantee* for PARATHOM®
- 3-year guarantee* for SubstiTUBE® Value


You will find more information and the exact guarantee terms and conditions at:

www.osram.com/guarantee



* Under the assumption that the lamps are operated in accordance with OSRAM recommendations. Precise guarantee terms and conditions at: www.osram.com/guarantee

Our portfolio – versatile and better

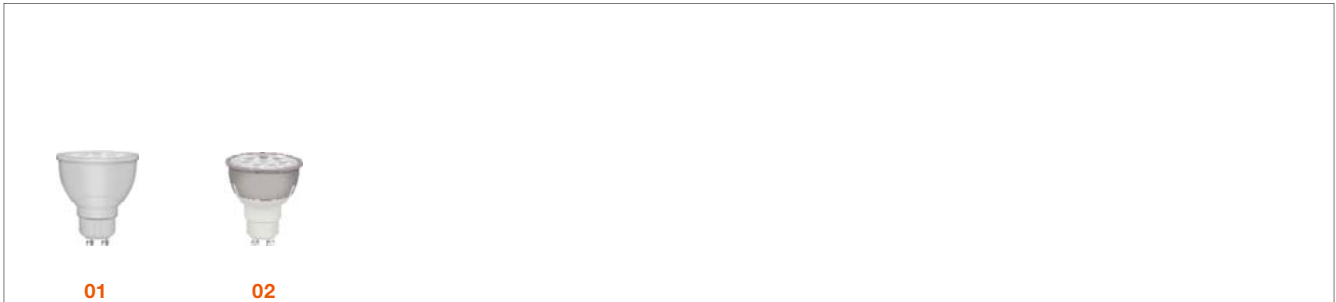
Segment	Key quality	Features	
PARATHOM® PRO	Premium lighting for professional applications	<ul style="list-style-type: none"> – Dimmable¹ – Very long lifespan of up to 45,000 hours – High quality of light thanks to exceptional color rendering of $R_a > 90$ – Extremely high binning of SDCM < 4 – Can withstand extremely high on/off switching frequency with up to 1,000,000 switching cycles – 5-year guarantee² 	
PARATHOM® ADVANCED	High quality and flexibility for all dimmable applications	<ul style="list-style-type: none"> – Dimmable¹ – Long lifespan of up to 40,000 hours – Good color rendering of up to $R_a = 80$ – High binning of SDCM < 5 – Can withstand high on/off switching frequency with up to 100,000 switching cycles – 5-year guarantee² 	
PARATHOM®	Base portfolio for all non-dimmable applications	<ul style="list-style-type: none"> – Long lifespan of up to 30,000 hours – Good color rendering of $R_a = 80$ – Can withstand high on/off switching frequency with up to 100,000 switching cycles – 4-year guarantee² 	
PARATHOM® LED RETROFIT	A large RETROFIT portfolio in vintage appearance	<ul style="list-style-type: none"> – CLASSIC lamps available in clear and frosted versions as well as dimmable and non-dimmable models – Clear lamps with innovative LED “filament” technology – Design, dimensions and luminous flux correspond to a comparable incandescent or halogen bulb – Beam angle of up to 300° – Lifespan of up to 15,000 hours – PAR16 reflector with the look and feel of a halogen reflector lamp thanks to a glass body with a light source and indirect light – Ideal for decorative fixtures 	
PARATHOM® SPECIAL	LED solutions for special applications	<ul style="list-style-type: none"> – OSRAM PARATHOM® SPECIAL T26 for very small lights, among others – OSRAM PARATHOM® SPECIAL PIN G9 for atmospheric lighting accents in living rooms and party basements, among other places – OSRAM PARATHOM® SPECIAL PIN G4 for “starry sky” applications – OSRAM LEDinestra® as a replacement for traditional incandescent tubes 	
SubstiTUBE®	LED lamps as an alternative to T8 fluorescent lamps³		
Advanced	For demanding lighting installations with high luminous flux	<ul style="list-style-type: none"> – Up to 126 lm/W – Adapted for use in production facilities (also those with extreme ambient temperatures of between -20°C and +50°C or sales floors) – Available with rotatable end caps as well as for ECG and CCG luminaires – 5-year guarantee² 	
Basic	For simple lighting installations	<ul style="list-style-type: none"> – Up to 109 lm/W – Adapted for use in warehouses, underground parking lots and corridors – Available with rotatable end caps as well as for CCG luminaires – 5-year guarantee² 	
Value	For cost-oriented lighting jobs	<ul style="list-style-type: none"> – Up to 100 lm/W – Adapted for use in private households, stairwells, garages and basement rooms – Available for ECG and CCG luminaires – 3-year guarantee² 	



¹ LED lamps can be operated with a wide variety of commercially-available dimmers; details and results of compatibility tests can be seen at www.osram.com/dim and in the additional technical product information sheets linked there

² Precise guarantee terms and conditions at: www.osram.com/guarantee

³ The total energy efficiency and light distribution of a unit will depend on its design

PARATHOM® PAR16



Item name	Product number (EAN)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	 ²	 ¹		 ³		 No.
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OSRAM PARATHOM® PRO PAR16 dimmable² – GU10, 220–240V, 36°, folding carton box

PRO PAR16 35	4052899944121	5.5	35W	230	565	2,700	90	✓	58	50	35,000	A	01
PRO PAR16 35	4052899944138	5.5	35W	230	565	3,000	90	✓	58	50	35,000	A	01
PRO PAR16 35	4052899944145	5.5	35W	230	565	4,000	90	✓	58	50	35,000	A	01
PRO PAR16 50	4052899944152	5.9	50W	350	850	2,700	90	✓	58	50	35,000	A+	01
PRO PAR16 50	4052899944169	5.9	50W	350	850	3,000	90	✓	58	50	35,000	A+	01
PRO PAR16 50	4052899944176	5.9	50W	350	850	4,000	90	✓	58	50	35,000	A+	01
PRO PAR16 65	4052899944183	7.2	65W	460	1,164	2,700	90	✓	58	50	35,000	A+	02
PRO PAR16 65	4052899944190	7.2	65W	460	1,164	3,000	90	✓	58	50	35,000	A+	02
PRO PAR16 65	4052899944206	7.2	65W	460	1,164	4,000	90	✓	58	50	35,000	A+	02

OSRAM PARATHOM® ADVANCED PAR16 dimmable² – GU10, 220–240V, 36°, folding carton box

ADVANCED PAR16 35	4052899943902	3.3	35W	230	565	2,700	80	✓	58	50	25,000	A+	01
ADVANCED PAR16 35	4052899943919	3.3	35W	230	565	3,000	80	✓	58	50	25,000	A+	01
ADVANCED PAR16 35	4052899943926	3.3	35W	230	565	4,000	80	✓	58	50	25,000	A+	01
ADVANCED PAR16 50	4052899943957	5.5	50W	350	850	2,700	80	✓	58	50	25,000	A+	01
ADVANCED PAR16 50	4052899943964	5.5	50W	350	850	3,000	80	✓	58	50	25,000	A+	01
ADVANCED PAR16 50	4052899943971	5.5	50W	350	850	4,000	80	✓	58	50	25,000	A+	01
ADVANCED PAR16 65	4052899943988	5.9	65W	460	1,164	2,700	80	✓	58	50	25,000	A+	01
ADVANCED PAR16 65	4052899943995	5.9	65W	460	1,164	3,000	80	✓	58	50	25,000	A+	01
ADVANCED PAR16 65	4052899944008	5.9	65W	460	1,164	4,000	80	✓	58	50	25,000	A+	01
ADVANCED PAR16 80	4052899944015	7.2	80W	575	1,439	2,700	80	✓	58	50	25,000	A+	02
ADVANCED PAR16 80	4052899944022	7.2	80W	575	1,439	3,000	80	✓	58	50	25,000	A+	02

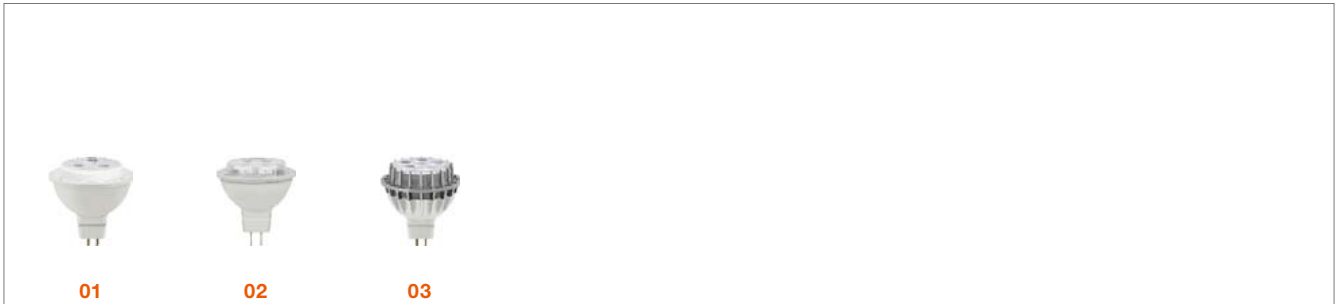
OSRAM PARATHOM® PAR16 – GU10, 220–240V, 36°, folding carton box

PAR16 35	4052899943797	3.1	35W	230	565	2,700	80	—	58	50	15,000	A++	01
PAR16 35	4052899943803	3.1	35W	230	565	3,000	80	—	58	50	15,000	A++	01
PAR16 35	4052899943810	3.1	35W	230	565	4,000	80	—	58	50	15,000	A++	01
PAR16 50	4052899943827	5	50W	350	850	2,700	80	—	58	50	15,000	A+	01
PAR16 50	4052899943834	5	50W	350	850	3,000	80	—	58	50	15,000	A+	01
PAR16 50	4052899943841	5	50W	350	850	4,000	80	—	58	50	15,000	A+	01
PAR16 65	4052899943858	5.5	65W	460	1,164	2,700	80	—	58	50	15,000	A+	01
PAR16 65	4052899943865	5.5	65W	460	1,164	3,000	80	—	58	50	15,000	A+	01
PAR16 80	4052899943872	6.7	80W	575	1,439	3,000	80	—	58	50	15,000	A+	02

OSRAM PARATHOM® PAR16 – GU10, 220–240V, 120°, folding carton box

PAR16 35 120°	4052899943889	3.1	35W	200	83	2,700	80	—	58	50	15,000	A+	01
PAR16 35 120°	4052899943896	3.1	35W	210	83	4,000	80	—	58	50	15,000	A++	01
PAR16 50 120°	4052899943933	5	50W	310	130	2,700	80	—	58	50	15,000	A+	01
PAR16 50 120°	4052899943940	5	50W	330	130	4,000	80	—	58	50	15,000	A+	01

PARATHOM® MR16



Item name	Product number (EAN)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	° ²	l [mm]	d [mm]	t [h] ³	CE	No.
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OSRAM PARATHOM® PRO MR16 dimmable² – GU5.3, 12V, 36°, folding carton box

PRO MR16 20	4052899944039	4.4	20W	230	600	2,700	90	✓	52	50	35,000	A	02
PRO MR16 20	4052899944046	4.4	20W	230	600	3,000	90	✓	52	50	35,000	A	02
PRO MR16 20	4052899944053	4.4	20W	230	600	4,000	90	✓	52	50	35,000	A	02
PRO MR16 35	4052899944060	6.9	35W	350	900	2,700	90	✓	56	50	35,000	A	03
PRO MR16 35	4052899944077	6.9	35W	350	900	3,000	90	✓	56	50	35,000	A	03
PRO MR16 35	4052899944084	6.9	35W	350	900	4,000	90	✓	56	50	35,000	A	03
PRO MR16 43	4052899944091	8.2	43W	500	1,150	2,700	90	✓	56	50	35,000	A	03
PRO MR16 43	4052899944107	8.2	43W	500	1,150	3,000	90	✓	56	50	35,000	A	03
PRO MR16 43	4052899944114	8.2	43W	500	1,150	4,000	90	✓	56	50	35,000	A	03

OSRAM PARATHOM® ADVANCED MR16 dimmable² – GU5.3, 12V, 24°, folding carton box

ADVANCED MR16 35	4052899943711	4.9	35W	350	1,500	2,700	80	✓	52	50	25,000	A+	02
ADVANCED MR16 50	4052899943759	8.2	50W	621	2,540	2,700	80	✓	56	50	25,000	A+	03

OSRAM PARATHOM® ADVANCED MR16 dimmable² – GU5.3, 12V, 36°, folding carton box

ADVANCED MR16 20	4052899943681	3.3	20W	230	600	2,700	80	✓	52	50	25,000	A+	01
ADVANCED MR16 20	4052899943698	3.3	20W	230	600	3,000	80	✓	52	50	25,000	A+	01
ADVANCED MR16 20	4052899943704	3.3	20W	230	600	4,000	80	✓	52	50	25,000	A+	01
ADVANCED MR16 35	4052899943728	4.9	35W	350	950	2,700	80	✓	52	50	25,000	A+	02
ADVANCED MR16 35	4052899943735	4.9	35W	350	950	3,000	80	✓	52	50	25,000	A+	02
ADVANCED MR16 35	4052899943742	4.9	35W	350	950	4,000	80	✓	52	50	25,000	A+	02
ADVANCED MR16 50	4052899943766	8.2	50W	621	1,430	2,700	80	✓	56	50	25,000	A+	03
ADVANCED MR16 50	4052899943773	8.2	50W	621	1,430	3,000	80	✓	56	50	25,000	A+	03
ADVANCED MR16 50	4052899943780	8.2	50W	621	1,430	4,000	80	✓	56	50	25,000	A+	03

OSRAM PARATHOM® MR16 – GU5.3, 12V, 36°, folding carton box

MR16 20	4052899943582	2.8	20W	230	600	2,700	80	—	52	50	15,000	A++	01
MR16 20	4052899943605	3.3	20W	230	600	3,000	80	—	52	50	15,000	A+	01
MR16 20	4052899943612	3.3	20W	230	600	4,000	80	—	52	50	15,000	A+	01
MR16 35	4052899943629	4.5	35W	350	950	2,700	80	—	52	50	15,000	A+	02
MR16 35	4052899943636	4.5	35W	350	950	3,000	80	—	52	50	15,000	A+	02
MR16 35	4052899943643	4.5	35W	350	950	4,000	80	—	52	50	15,000	A+	02
MR16 50	4052899943650	7.5	50W	621	1,430	2,700	80	—	56	50	15,000	A+	03
MR16 50	4052899943667	7.5	50W	621	1,430	3,000	80	—	56	50	15,000	A+	03
MR16 50	4052899943674	7.5	50W	621	1,430	4,000	80	—	56	50	15,000	A+	03

¹ All technical parameters apply to the complete lamp. Due to the complex manufacturing process of light emitting diodes, the specified typical values of the LED parameters merely represent purely statistical variables. They do not necessarily correspond to the actual technical parameters of each individual product, which can deviate from the typical value

² LED lamps can be operated with a wide variety of commercially-available dimmers; details and results of compatibility tests can be seen at www.osram.com/dim and in the additional technical product information sheets linked there

³ L70/B50

PARATHOM® MR11, AR111



Item name	Product number (EAN)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	⊙ ²	l [mm]	d [mm]	t [h] ³	Ⓢ	No.
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OSRAM PARATHOM® ADVANCED MR11 dimmable² – GU4, 12V, 30°, folding carton box

ADVANCED MR11 20 30° 827	4052899938687	3.1	20W	184	500	2,700	80	✓	39	35	25,000	A+	01
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OSRAM PARATHOM® MR11 – GU4, 12V, 30°, folding carton box

MR11 20 30°	4052899910423	3.7	20W	200	550	2,700	80	—	39	34,7	15,000	A+	02
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OSRAM PARATHOM® PRO AR111 dimmable² – G53, 12V, 9°, folding carton box

PRO AR111 50 9° 927	4052899907690	8.5	50W	450	8,500	2,700	90	✓	59	111	45,000	A	03
PRO AR111 75 9° 827	4052899907782	12.5	75W	740	11,000	2,700	80	✓	59	111	45,000	A	04

OSRAM PARATHOM® PRO AR111 dimmable² – G53, 12V, 24°, folding carton box

PRO AR111 50 24° 927	4052899907720	8.5	50W	450	3,200	2,700	90	✓	59	111	45,000	A	03
PRO AR111 50 24° 930	4052899907737	8.5	50W	450	3,200	3,000	90	✓	59	111	45,000	A	03
PRO AR111 50 24° 940	4052899907744	8.5	50W	450	3,600	4,000	90	✓	59	111	45,000	A	03
PRO AR111 75 24° 827	4052899907812	12.5	75W	740	4,800	2,700	80	✓	59	111	45,000	A	04
PRO AR111 75 24° 830	4052899907829	12.5	75W	740	4,800	3,000	80	✓	59	111	45,000	A	04
PRO AR111 75 24° 840	4052899907836	12.5	75W	820	5,500	4,000	80	✓	59	111	45,000	A	04

OSRAM PARATHOM® PRO AR111 dimmable² – G53, 12V, 40°, folding carton box

PRO AR111 50 40° 927	4052899907751	8.5	50W	450	1,400	2,700	90	✓	59	111	45,000	A	03
PRO AR111 50 40° 930	4052899907768	8.5	50W	450	1,400	3,000	90	✓	59	111	45,000	A	03
PRO AR111 75 40° 827	4052899907843	12.5	75W	740	2,200	2,700	80	✓	59	111	45,000	A	04
PRO AR111 75 40° 830	4052899907850	12.5	75W	740	2,200	3,000	80	✓	59	111	45,000	A	04

OSRAM PARATHOM® AR111 – G53, 12V, 24°, folding carton box

AR111 50 24° 830	4052899938465	7.2	50W	550	2,400	3,000	80	—	57	111	30,000	A+	05
AR111 75 24° 830	4052899938489	10.5	75W	800	3,500	3,000	80	—	57	111	30,000	A+	06

OSRAM PARATHOM® AR111 – G53, 12V, 40°, folding carton box

AR111 50 40° 830	4052899938472	7.2	50W	550	1,300	3,000	80	—	57	111	30,000	A+	05
AR111 75 40° 830	4052899938496	10.5	75W	800	1,800	3,000	80	—	57	111	30,000	A+	06

¹ All technical parameters apply to the complete lamp. Due to the complex manufacturing process of light emitting diodes, the specified typical values of the LED parameters merely represent purely statistical variables. They do not necessarily correspond to the actual technical parameters or each individual product, which can deviate from the typical value

² LED lamps can be operated with a wide variety of commercially-available dimmers; details and results of compatibility tests can be seen at www.osram.com/dim and in the additional technical product information sheets linked there

³ L70/B50

PARATHOM® PAR20/30/38, R50



Item name	Product number (EAN)	W ¹	Replacement for	lm ¹	cd	K	R _a	∅ ²	l [mm]	d [mm]	t [h] ³	Energy Class	No.
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OSRAM PARATHOM® ADVANCED PAR20 dimmable² – E27, 220–240 V, 30°, folding carton box

ADVANCED PAR20	4052899931299	6	50W	350	1,200	2,700	80	✓	87	64	40,000	A+	01
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OSRAM PARATHOM® ADVANCED PAR30 dimmable² – E27, 220–240 V, 30°, folding carton box

ADVANCED PAR30	4052899938519	9	90W	766	1,800	2,700	80	✓	92	96	40,000	A+	02
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OSRAM PARATHOM® ADVANCED PAR38 dimmable² – E27, 220–240 V, 30°, folding carton box

ADVANCED PAR38	4052899938526	14	120W	1,035	2,500	2,700	80	✓	129	121	40,000	A+	03
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OSRAM PARATHOM® ADVANCED R50 dimmable² – E27, 220–240 V, 30°, folding carton box

ADVANCED R50 40 30°	4052899938663	3.5	40W	230	600	2,700	80	✓	86	50	25,000	A+	04
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OSRAM PARATHOM® ADVANCED R50 dimmable² – E14, 220–240 V, 30°, folding carton box

ADVANCED R50 40 30°	4052899938670	3.5	40W	230	600	2,700	80	✓	86	50	25,000	A+	05
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OSRAM PARATHOM® R50 – E14, 220–240 V, 30°, folding carton box

R50 40 30°	4052899938656	3	40W	230	600	2,700	80	—	86	50	25,000	A++	05
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¹ All technical parameters apply to the complete lamp. Due to the complex manufacturing process of light emitting diodes, the specified typical values of the LED parameters merely represent purely statistical variables. They do not necessarily correspond to the actual technical parameters of each individual product, which can deviate from the typical value

² LED lamps can be operated with a wide variety of commercially-available dimmers; details and results of compatibility tests can be seen at www.osram.com/dim and in the additional technical product information sheets linked there

³ L70/B50

PARATHOM® CLASSIC A/GLOBE



Item name	Product number (EAN)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	⌀ ²	l [mm]	d [mm]	t [h] ³	Energy Class	No.
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OSRAM PARATHOM® ADVANCED CLASSIC A dimmable² – E27, 220–240 V, folding carton box

ADVANCED CL A40 frosted	4052899299184	6	40W	470	—	2,700	80	✓	97	55	25,000	A+	01
ADVANCED CL A40 frosted	4052899299146	6	40W	470	—	4,000	80	✓	97	55	25,000	A+	01
ADVANCED CL A40 clear sparkling	4052899299160	6	40W	470	—	2,700	80	✓	97	55	25,000	A+	02
ADVANCED CL A60 frosted	4052899299221	9	60W	806	—	2,700	80	✓	110	60	25,000	A+	03
ADVANCED CL A60 frosted	4052899299207	9	60W	806	—	4,000	80	✓	110	60	25,000	A+	03
ADVANCED CL A60 clear sparkling	4052899299245	9	60W	806	—	2,700	80	✓	110	60	25,000	A+	04
ADVANCED CL A75 frosted	4052899299269	10	75W	1,055	—	2,700	80	✓	110	60	25,000	A+	03
ADVANCED CL A75 frosted	4052899319011	10	75W	1,055	—	4,000	80	✓	110	60	25,000	A+	03
ADVANCED CL A100 frosted	4052899935488	15	100W	1,522	—	2,700	80	✓	126	62	25,000	A+	05

OSRAM PARATHOM® CLASSIC A – E27, 220–240 V, folding carton box

CL A40 frosted	4052899924574	5	40W	470	—	2,700	80	—	97	55	15,000	A+	01
CL A40 frosted	4052899924581	5	40W	470	—	4,000	80	—	97	55	15,000	A+	01
CL A40 clear sparkling	4052899924567	5	40W	470	—	2,700	80	—	97	55	15,000	A+	02
CL A60 frosted	4052899299085	8	60W	806	—	2,700	80	—	110	60	15,000	A+	03
CL A60 frosted	4052899299047	8	60W	806	—	4,000	80	—	110	60	15,000	A+	03
CL A60 clear sparkling	4052899299061	8	60W	806	—	2,700	80	—	110	60	15,000	A+	04
CL A75 frosted	4052899299108	9	75W	1,055	—	2,700	80	—	110	57	15,000	A+	03
CL A75 frosted	4052899299122	9	75W	1,055	—	4,000	80	—	110	57	15,000	A+	03

OSRAM PARATHOM® ADVANCED GLOBE dimmable² – E27, 220–240 V, folding carton box

ADVANCED CL GLOBE 95 60	4052899937840	9	60W	806	—	2,700	80	✓	149	95	25,000	A+	06
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OSRAM PARATHOM® GLOBE – E27, 220–240 V, folding carton box

CL GLOBE 95 60	4052899937864	9	60W	806	—	2,700	80	—	149	95	15,000	A+	06
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OSRAM PARATHOM® GLOBE – B22d, 220–240 V, folding carton box

CL GLOBE 95 60	4052899300347	9	60W	806	—	2,700	80	—	147	95	15,000	A+	07
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¹ All technical parameters apply to the complete lamp. Due to the complex manufacturing process of light emitting diodes, the specified typical values of the LED parameters merely represent purely statistical variables. They do not necessarily correspond to the actual technical parameters or each individual product, which can deviate from the typical value

² LED lamps can be operated with a wide variety of commercially-available dimmers; details and results of compatibility tests can be seen at www.osram.com/dim and in the additional technical product information sheets linked there

³ L70/B50

PARATHOM® CLASSIC B/P



Item name	Product number (EAN)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	 ²	 ¹		 ³		 No.
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OSRAM PARATHOM® ADVANCED CLASSIC B dimmable² – E14, 220–240V, folding carton box

ADVANCED CL B40 frosted	4052899911437	6	40W	470	—	2,700	80	✓	105	38	25,000	A+	01
ADVANCED CL B40 clear sparkling	4052899911413	6	40W	470	—	2,700	80	✓	105	38	25,000	A+	02

OSRAM PARATHOM® CLASSIC B – E14, 220–240V, folding carton box

CL B25 clear sparkling	40528999348738	3.3	25W	250	—	2,700	80	—	102	35	15,000	A+	02
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OSRAM PARATHOM® ADVANCED CLASSIC P dimmable² – E27, 220–240V, folding carton box

ADVANCED CL P25 frosted	4052899911468	4	25W	250	—	2,700	80	✓	80	43	25,000	A+	03
ADVANCED CL P40 frosted	4052899911925	6	40W	470	—	2,700	80	✓	80	43	25,000	A+	03
ADVANCED CL P40 clear sparkling	4052899911475	6	40W	470	—	2,700	80	✓	80	43	25,000	A+	04

OSRAM PARATHOM® ADVANCED CLASSIC P dimmable² – E14, 220–240V, folding carton box

ADVANCED CL P25 frosted	4052899911444	4	25W	250	—	2,700	80	✓	82	43	25,000	A+	05
ADVANCED CL P40 frosted	4052899911918	6	40W	470	—	2,700	80	✓	82	43	25,000	A+	05
ADVANCED CL P40 clear sparkling	4052899911451	6	40W	470	—	2,700	80	✓	82	43	25,000	A+	06

OSRAM PARATHOM® CLASSIC P – E14, 220–240V, folding carton box

CL P25 clear sparkling	40528999282346	4	25W	250	—	2,700	80	—	82	43	15,000	A+	06
CL P40 frosted	4052899912014	6	40W	470	—	2,700	80	—	82	43	15,000	A+	05

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³ L70/B50

PARATHOM® LED RETROFIT



Item name	Product number (EAN)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	 ²	$\frac{l}{d}$ [mm]	ϕ [mm]	t [h] ³		 No.
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OSRAM PARATHOM® LED RETROFIT PAR16 – GU10, 220–240V, 36°, folding carton box

RETROFIT PAR16 35	4052899941854	3.2	35W	230	450	2,700	80	—	53	50	15,000	A++	01
RETROFIT PAR16 50	4052899941861	5.3	50W	345	650	2,700	80	—	53	50	15,000	A+	02

OSRAM PARATHOM® LED RETROFIT CLASSIC A – E27, 220–240V, folding carton box

RETROFIT CL A40 clear filament	4052899941717	4	40W	470	—	2,700	80	—	105	60	15,000	A++	03
RETROFIT CL A40 frosted	4052899941724	6	40W	470	—	2,700	80	—	116	60	15,000	A+	04
RETROFIT CL A60 frosted	4052899941748	8	60W	806	—	2,700	80	—	116	60	15,000	A+	04

OSRAM PARATHOM® LED RETROFIT CLASSIC A dimmable² – E27, 220–240V, folding carton box

RETROFIT CL A60 frosted	4052899941731	8	60W	806	—	2,700	80	✓	116	60	15,000	A+	04
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OSRAM PARATHOM® LED RETROFIT CLASSIC B – E14, 230V, folding carton box

RETROFIT CL B25 clear filament	4052899941755	2	23W	230	—	2,700	80	—	99	35	15,000	A++	05
RETROFIT CL B25 frosted	4052899941762	3.2	25W	250	—	2,700	80	—	98	35	15,000	A+	07
RETROFIT CL B37 clear filament	4052899941779	3.8	37W	430	—	2,700	80	—	99	35	15,000	A++	06
RETROFIT CL BA25 clear filament	4052899941786	2	23W	230	—	2,700	80	—	120	35	15,000	A++	08
RETROFIT CL BW25 clear filament	4052899941793	2	23W	230	—	2,700	80	—	99	35	15,000	A++	09

OSRAM PARATHOM® LED RETROFIT CLASSIC P – E27, 230V, folding carton box

RETROFIT CL P25 clear filament	4052899941816	2	25W	250	—	2,700	80	—	84	45	15,000	A++	10
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OSRAM PARATHOM® LED RETROFIT CLASSIC P – E14, 230V, folding carton box

RETROFIT CL P25 clear filament	4052899941809	2	23W	230	—	2,700	80	—	84	45	15,000	A++	11
RETROFIT CL P37 clear filament	4052899941830	3.8	37W	430	—	2,700	80	—	84	45	15,000	A++	12
RETROFIT CL P25 frosted	4052899941823	3.2	25W	250	—	2,700	80	—	79	45	15,000	A+	13

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³ L70/B50

PARATHOM® for special applications



Item name	Product number (EAN)	W ¹	Replace-ment for	lm ¹	cd	K	R _a		$\frac{l}{d}$ [mm]	$\frac{d}{d}$ [mm]	t [h] ³		No.
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OSRAM PARATHOM® SPECIAL T26 – E14, 220–240V, 170°, folding carton box

SPECIAL T26	4052899937901	1.5	15W	140	—	6,500	80	—	63	24	15,000	A++	01
SPECIAL T26	4052899937888	1.6	15W	140	—	2,700	80	—	63	24	15,000	A++	01

OSRAM PARATHOM® SPECIAL PIN G9 – G9, 230V, 240°, folding carton box

SPECIAL PIN G9	4052899942325	2.5	20W	200	—	2,700	80	—	47	16	15,000	A+	02
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OSRAM PARATHOM® SPECIAL PIN G4 – G4, 12V, 240°, folding carton box

SPECIAL G4 20	4052899937925	2.2	20W	200	—	2,700	80	—	36	14	15,000	A++	03
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Item name	Product number (EAN)	W ¹	Replace-ment for incandes-cent tubes	lm ¹	cd	K	R _a		$\frac{l}{l}$ [mm] ²	$\frac{d}{d}$ [mm]	t [h] ³		No.
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OSRAM LEDInestra® dimmable² – S14s, 220–240V, 200°, folding carton box

LEDINESTRA ADVANCED 25	4052899110311	6	300 mm	250	—	2,700	80	✓	300	29	20,000	A	04
LEDINESTRA ADVANCED 38	4008321979193	9	500 mm	450	—	2,700	80	✓	500	29	20,000	A	04

OSRAM LEDInestra® dimmable² – S14d, 220–240V, 200°, folding carton box

LEDINESTRA ADVANCED 25	4052899110335	6	300 mm	250	—	2,700	80	✓	300	29	20,000	A	05
LEDINESTRA ADVANCED 38	4008321979216	9	500 mm	450	—	2,700	80	✓	500	29	20,000	A	05

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³ L70/B50

SubstiTUBE®



Item name	Product number (EAN)	W ¹	Replace-ment for fluorescent lamp ²	lm ¹	cd	K	R _a		$\frac{l}{d}$ [mm]	$\frac{d}{l}$ [mm]	t [h] ³		No.
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OSRAM SubstiTUBE® HF Advanced – for ECG luminaires – G13, folding carton box

ST8A-0.6m-8.9W-840-HF	4052899943018	8.9	590 mm	1,100	—	4,000	>80	—	590	27.5	50,000	A+	01
ST8A-1.2m-18.4W-830-HF	4052899943032	18.4	1,200 mm	2,070	—	3,000	>80	—	1,200	27.5	50,000	A+	01
ST8A-1.2m-18.4W-840-HF	4052899943049	18.4	1,200 mm	2,300	—	4,000	>80	—	1,200	27.5	50,000	A+	01
ST8A-1.2m-18.4W-865-HF	4052899943056	18.4	1,200 mm	2,300	—	6,500	>80	—	1,200	27.5	50,000	A+	01
ST8A-1.5m-27W-830-HF	4052899943063	27	1,500 mm	2,950	—	3,000	>80	—	1,500	27.5	50,000	A+	01
ST8A-1.5m-27W-840-HF	4052899943070	27	1,500 mm	3,400	—	4,000	>80	—	1,500	27.5	50,000	A+	01
ST8A-1.5m-27W-865-HF	4052899943087	27	1,500 mm	3,300	—	6,500	>80	—	1,500	27.5	50,000	A+	01

OSRAM SubstiTUBE® HF Value – for ECG luminaires – G13, folding carton box

ST8V-0.6m-8.4W-840-HF	4052899943100	8.4	590 mm	840	—	4,000	>80	—	590	27.5	30,000	A+	01
ST8V-1.2m-19W-830-HF	4052899943124	17	1,200 mm	1,600	—	3,000	>80	—	1,200	27.5	30,000	A	01
ST8V-1.2m-19W-840-HF	4052899943131	17	1,200 mm	1,700	—	4,000	>80	—	1,200	27.5	30,000	A	01
ST8V-1.2m-19W-865-HF	4052899943148	17	1,200 mm	1,700	—	6,500	>80	—	1,200	27.5	30,000	A	01
ST8V-1.5m-21.5W-830-HF	4052899943155	21	1,500 mm	1,970	—	3,000	>80	—	1,500	27.5	30,000	A	01
ST8V-1.5m-21.5W-840-HF	4052899943162	21	1,500 mm	2,100	—	4,000	>80	—	1,500	27.5	30,000	A	01
ST8V-1.5m-21.5W-865-HF	4052899943179	21	1,500 mm	2,100	—	6,500	>80	—	1,500	27.5	30,000	A	01

¹ All technical parameters apply to the complete lamp. Due to the complex manufacturing process of light emitting diodes, the specified typical values of the LED parameters merely represent purely statistical variables. They do not necessarily correspond to the actual technical parameters or each individual product, which can deviate from the typical value

² The total energy efficiency and light distribution of a unit will depend on its design

³ L70/B50

SubstiTUBE®

Item name	Product number (EAN)	W ¹	Replace-ment for fluorescent lamp ²	lm ¹	cd	K	R _a		L [mm]	d [mm]	t [h] ³		
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OSRAM SubstiTUBE® EM Advanced – for CCG luminaires – G13, 220–240V, folding carton box

ST8A-0.6m-8.7W-830-EM	4052899937536	8.7	590 mm	990	—	3,000	>80	—	590	27.5	50,000	A+	02
ST8A-0.6m-8.7W-840-EM	4052899937543	8.7	590 mm	1,100	—	4,000	>80	—	590	27.5	50,000	A+	02
ST8A-0.6m-8.7W-865-EM	4052899937550	8.7	590 mm	1,100	—	6,500	>80	—	590	27.5	50,000	A+	02
ST8A-1.2m-18.4W-830-EM	4052899937567	18.4	1,200 mm	2,070	—	3,000	>80	—	1,200	27.5	50,000	A+	02
ST8A-1.2m-18.4W-840-EM	4052899937574	18.4	1,200 mm	2,300	—	4,000	>80	—	1,200	27.5	50,000	A+	02
ST8A-1.2m-18.4W-865-EM	4052899937581	18.4	1,200 mm	2,300	—	6,500	>80	—	1,200	27.5	50,000	A+	02
ST8A-1.5m-27W-830-EM	4052899937598	27	1,500 mm	3,060	—	3,000	>80	—	1,500	27.5	50,000	A+	02
ST8A-1.5m-27W-840-EM	4052899937604	27	1,500 mm	3,400	—	4,000	>80	—	1,500	27.5	50,000	A+	02
ST8A-1.5m-27W-865-EM	4052899937611	27	1,500 mm	3,400	—	6,500	>80	—	1,500	27.5	50,000	A+	02

OSRAM SubstiTUBE® EM Advanced with rotatable end caps – for CCG luminaires – G13, 220–240V, folding carton box

ST8A-0.6m-8.7W-840-EM-R	4052899937628	8.7	590 mm	1,100	—	4,000	>80	—	590	27.5	50,000	A+	03
ST8A-0.6m-8.7W-865-EM-R	4052899937635	8.7	590 mm	1,100	—	6,500	>80	—	590	27.5	50,000	A+	03
ST8A-1.2m-18.4W-840-EM-R	4052899937642	18.4	1,200 mm	2,300	—	4,000	>80	—	1,200	27.5	50,000	A+	03
ST8A-1.2m-18.4W-865-EM-R	4052899937659	18.4	1,200 mm	2,300	—	6,500	>80	—	1,200	27.5	50,000	A+	03
ST8A-1.5m-27W-840-EM-R	4052899937666	27	1,500 mm	3,400	—	4,000	>80	—	1,500	27.5	50,000	A+	03
ST8A-1.5m-27W-865-EM-R	4052899937673	27	1,500 mm	3,400	—	6,500	>80	—	1,500	27.5	50,000	A+	03

OSRAM SubstiTUBE® EM Basic – for CCG luminaires – G13, 220–240V, folding carton box

ST8B-1.2m-20W-830-EM	4052899937338	20	1,200 mm	1,900	—	3,000	>80	—	1,200	27.5	40,000	A	02
ST8B-1.2m-20W-840-EM	4052899937345	20	1,200 mm	2,100	—	4,000	>80	—	1,200	27.5	40,000	A+	02
ST8B-1.2m-20W-865-EM	4052899937352	20	1,200 mm	2,100	—	6,500	>80	—	1,200	27.5	40,000	A+	02
ST8B-1.5m-22W-830-EM	4052899937369	22	1,500 mm	2,160	—	3,000	>80	—	1,500	27.5	40,000	A+	02
ST8B-1.5m-22W-840-EM	4052899937376	22	1,500 mm	2,400	—	4,000	>80	—	1,500	27.5	40,000	A+	02
ST8B-1.5m-22W-865-EM	4052899937383	22	1,500 mm	2,400	—	6,500	>80	—	1,500	27.5	40,000	A+	02

OSRAM SubstiTUBE® EM Basic with rotatable end caps – for CCG luminaires – G13, 220–240V, folding carton box

ST8B-1.2m-20W-840-EM-R	4052899937390	20	1,200 mm	2,100	—	4,000	>80	—	1,200	27.5	40,000	A+	03
ST8B-1.2m-20W-865-EM-R	4052899937406	20	1,200 mm	2,100	—	6,500	>80	—	1,200	27.5	40,000	A+	03
ST8B-1.5m-22W-840-EM-R	4052899937413	22	1,500 mm	2,400	—	4,000	>80	—	1,500	27.5	40,000	A+	03
ST8B-1.5m-22W-865-EM-R	4052899937420	22	1,500 mm	2,400	—	6,500	>80	—	1,500	27.5	40,000	A+	03

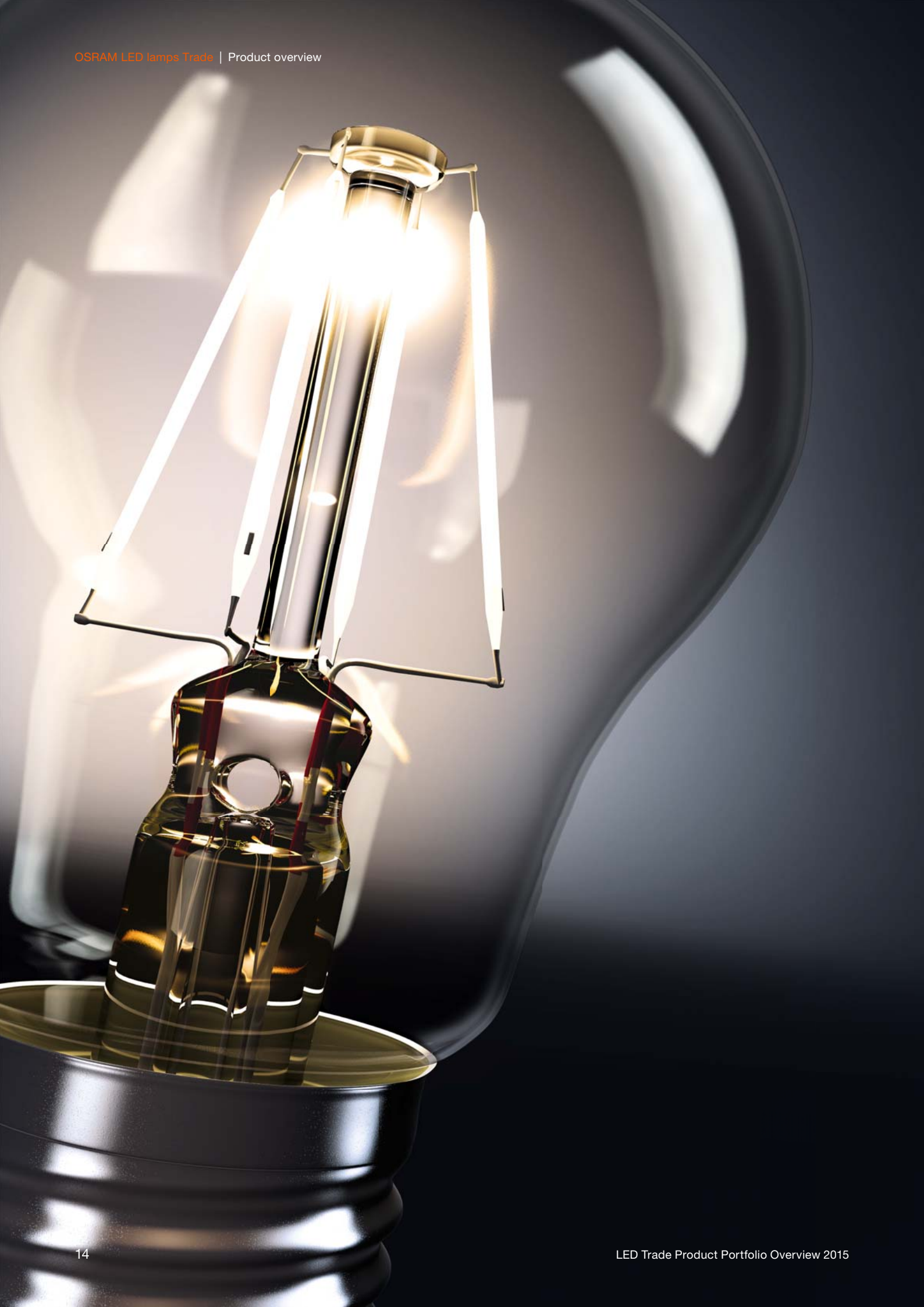
OSRAM SubstiTUBE® EM Value – for CCG luminaires – G13, 220–240V, folding carton box

ST8V-0.6m-8.9W-830-EM	4052899937116	8.9	590 mm	720	—	3,000	>80	—	590	27.5	30,000	A	02
ST8V-0.6m-8.9W-840-EM	4052899937123	8.9	590 mm	800	—	4,000	>80	—	590	27.5	30,000	A	02
ST8V-0.6m-8.9W-865-EM	4052899937130	8.9	590 mm	800	—	6,500	>80	—	590	27.5	30,000	A	02
ST8V-1.2m-19W-830-EM	4052899937147	19	1,200 mm	1,530	—	3,000	>80	—	1,200	27.5	30,000	A	02
ST8V-1.2m-19W-840-EM	4052899937154	19	1,200 mm	1,700	—	4,000	>80	—	1,200	27.5	30,000	A	02
ST8V-1.2m-19W-865-EM	4052899937161	19	1,200 mm	1,700	—	6,500	>80	—	1,200	27.5	30,000	A	02
ST8V-1.5m-21.5W-830-EM	4052899937178	21.5	1,500 mm	1,890	—	3,000	>80	—	1,500	27.5	30,000	A	02
ST8V-1.5m-21.5W-840-EM	4052899937185	21.5	1,500 mm	2,100	—	4,000	>80	—	1,500	27.5	30,000	A	02
ST8V-1.5m-21.5W-865-EM	4052899937192	21.5	1,500 mm	2,100	—	6,500	>80	—	1,500	27.5	30,000	A	02

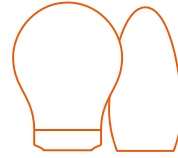
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³ L70/B50



Our portfolio at a glance



Reflector

Classic

PAR16 MR16 MR11 AR111 PAR20/30/38 R50 R50 A B P P GLOBE GLOBE

GU10 GU5.3 GU4 G53 E27 E27 E14 E27 E14 E27 E14 E27 B22d



PARATHOM® PRO

x x - x - - - - - - - -

Premium lighting for professional applications

PARATHOM® ADVANCED

x x x - x x x x x x -

High quality and flexibility for all dimmable applications

PARATHOM®

x x x x - - x x x x - x x

Base portfolio for all non-dimmable applications

PARATHOM® LED RETROFIT

x - - - - - x x x x - -

A large RETROFIT portfolio in vintage design



Special

E14 PIN G9 PIN G4 S14s S14d



PARATHOM® SPECIAL T26

x - - - -

For very small lights, among others

PARATHOM® SPECIAL PIN

- x x - -

PIN G9: for atmospheric lighting accents in living rooms and party basements, among other places
PIN G4: for "starry sky" applications

LEDinestra®

- - - x x

As a replacement for traditional incandescent tubes



Tubes

G13



SubstiTUBE® Advanced

x

For demanding lighting installations with high luminous flux

SubstiTUBE® Basic

x

For simple lighting installations

SubstiTUBE® Value

x

For cost-oriented lighting installations

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www.osram.com/led-retro

OSRAM GmbH

Head Office

Marcel-Breuer-Strasse 6
80807 Munich
Germany
Phone +49 (0)89-6213-0
Fax +49 (0)89-6213-20 20
www.osram.com

