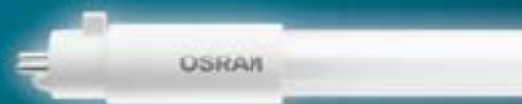




LEDVANCE

LEDVANCE.COM

As before.
Just
better.



OSRAM's new products:
From full-glass LED lamps and
LED tube innovations to new
developments in the special area.

Light is personal

The new LED lamp portfolio

For me, the best way to innovative light

OSRAM



The highlights of the lighting season: LED diversity in classic design

OSRAM's largest-ever LED portfolio now includes a unique selection of full-glass LED lamps in vintage design – with the same size, appearance and material as traditional lamps, but boasting all the advantages of modern LED technology, and predominantly “Made in Germany”. The SubstiTUBE® product portfolio contains similarly impressive innovations, such as wireless sensor control or LED retrofit for T5 fluorescent lamps.

The “LED halogen lamps”: OSRAM PARATHOM® PAR16 and MR16 reflector lamps

- The first range of full-glass LED reflector lamps to have sizes identical to halogen reflectors
- With innovative single optic (just one single light point) for improved light distribution
- Stylish glass spots, ideal for open luminaires, particularly in hospitality applications



MADE IN
GERMANY

The “LED incandescent lamps”: OSRAM PARATHOM® LED RETROFIT

- LED lamps with the classy look and feel of traditional incandescent lamps
- All main types now with a dimmable version
- Higher wattages and lumen packages
- New bulb shapes, such as Globe and Edison



OSRAM SubstiTUBE® T8 Connected

- Continuous and wireless dimming via ZigBee without rewiring
- Daylight and presence detection via a range of sensors for a variety of applications
- Easy installation using a screwdriver only, no need for a laptop or smartphone/tablet



OSRAM SubstiTUBE® T5 Advanced and Advanced UO

- First LED retrofit tubes as replacements for T5 fluorescent lamps
- Real plug & play replacement thanks to integrated ECG
- No rewiring; approval ratings of existing luminaires are retained



The new OSRAM LED lamp portfolio: large selection of CLASSIC and reflector lamps

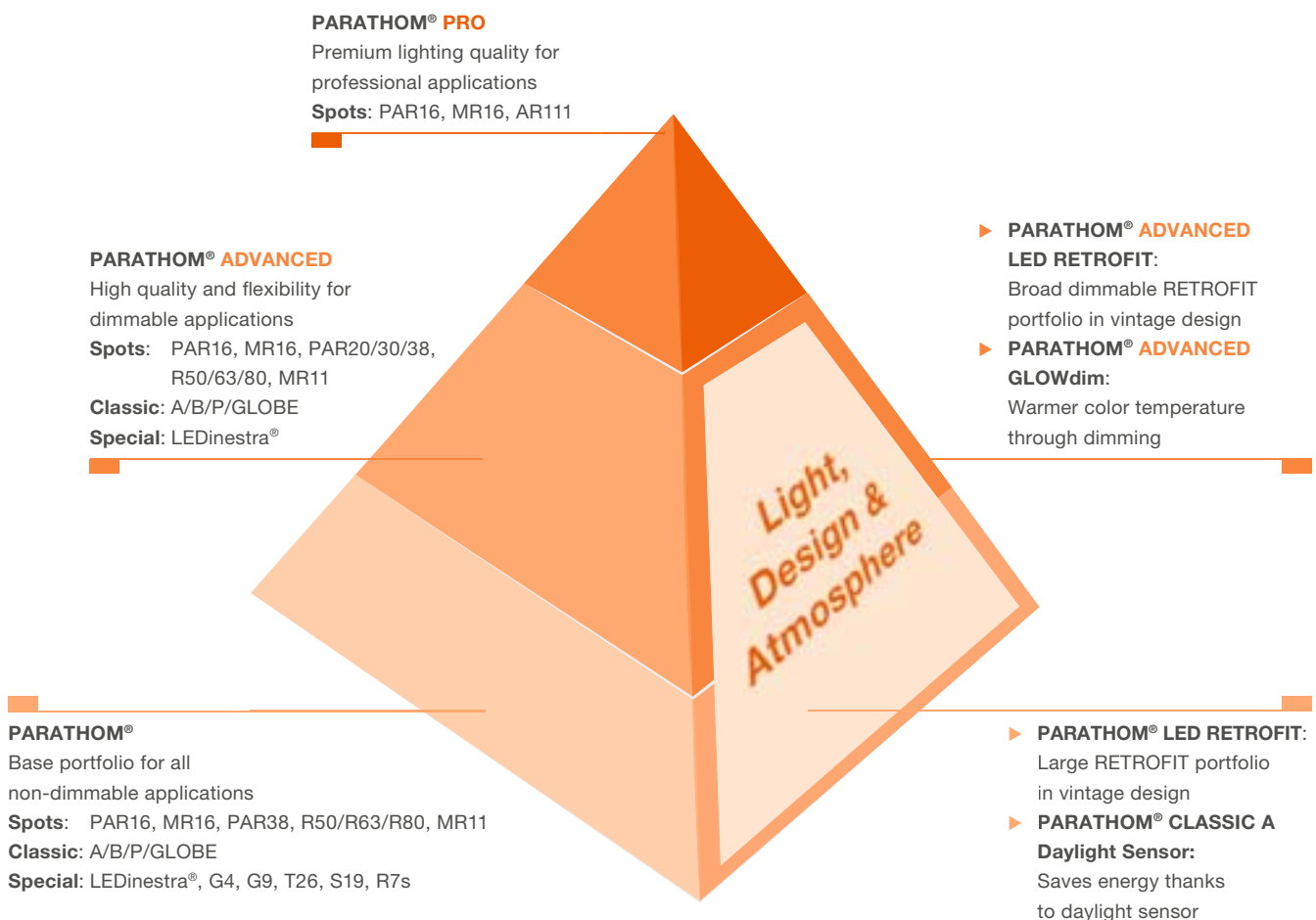
The latest OSRAM LED lamp portfolio is the broadest ever – including many new lamps that bring a specific added value: the perfect combination of classic design and advanced LED technology. Structured for extra clarity into the three product segments of PARATHOM® PRO, PARATHOM® ADVANCED and PARATHOM®, the portfolio contains the ideal lighting solution for every situation. Using modern LED technology has never been easier.

The LEDVANCE guarantee

- Up to 5-year guarantee¹ for PARATHOM® PRO, PARATHOM® ADVANCED, PARATHOM® ADVANCED GLOWdim, SubstiTUBE® Advanced, Advanced UO
- 4-year guarantee¹ for PARATHOM®
- 3-year guarantee¹ for SubstiTUBE® Value



Separated into product segments to give you a clearer overview:



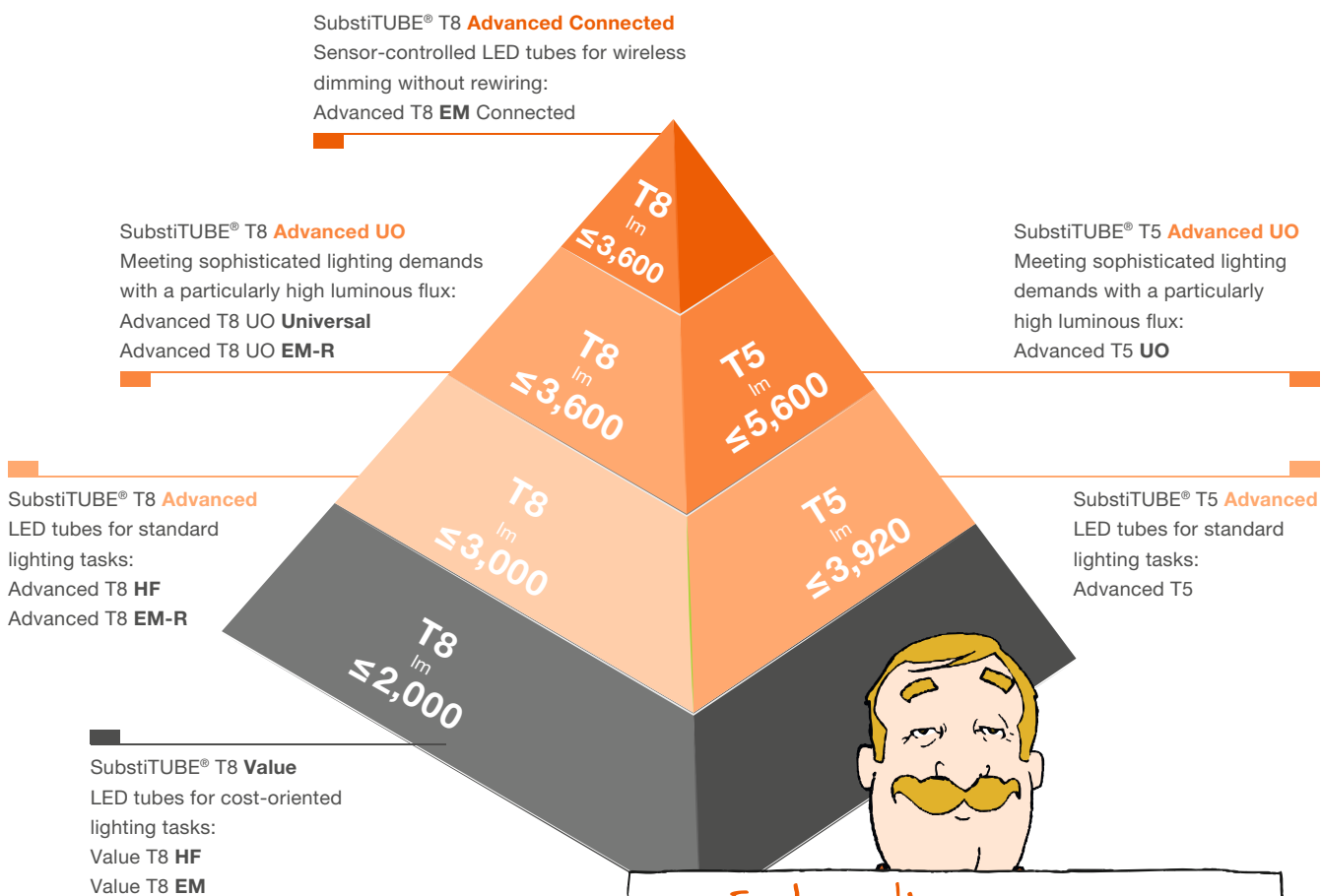
¹ For further information and full guarantee conditions, please visit www.ledvance.com/guarantee

OSRAM SubstiTUBE®: a brilliant solution for LED tubes

Greater quality, greater efficiency and greater diversity. The portfolio of OSRAM SubstiTUBE® LED tubes has been significantly extended and enhanced. Technical innovations have also been added to provide even more choice. The LED tubes have also been arranged into new product segments to ensure you can quickly find the most suitable product:

- For wireless lighting management, there is the new sensor-controlled OSRAM SubstiTUBE® Advanced T8 EM Connected.
- The Advanced portfolio contains T8 and (recently added) T5 LED tubes, completely retrofittable with higher luminous flux and increased efficiency.
- For applications that require an extremely high luminous flux, OSRAM SubstiTUBE® Advanced Ultra Output (UO) tubes provide up to 3,600 lumens with T8 lamps and up to 5,600 lumen with T5 versions.
- OSRAM SubstiTUBE® Value is the ideal choice for cost-optimized applications, and the glass-bodied EM version adds greater robustness.

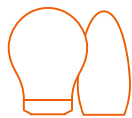
Separated into product segments to give you a clearer overview:



Explanations

- EM** for CCG-operated lamps
- HF** for ECG-operated lamps
- R** with rotating end caps
- UO** Ultra Output
- Universal** for CCG- and ECG-operated lamps

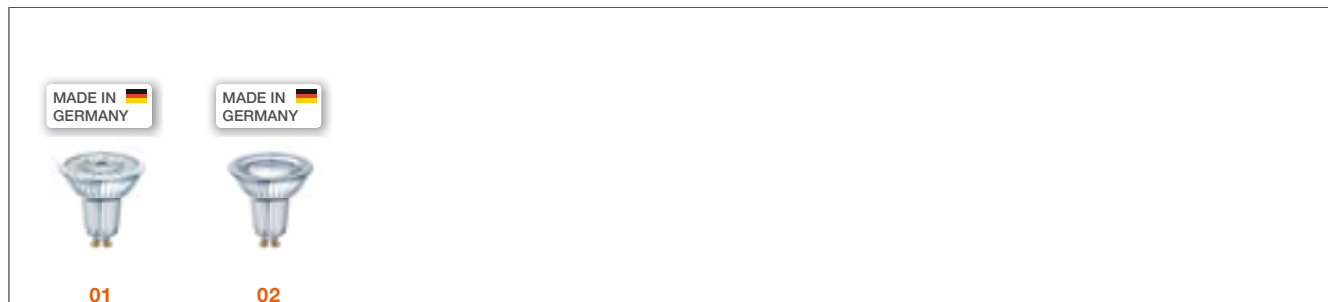
An overview of our portfolio:

														
	Reflector					Classic								
	PAR16	MR16	MR11	AR111	PAR20/30/38	R50	R50	R63/R80	A	B	P	P	GLOBE	Edison
	GU10	GU5.3	GU4	G53	E27	E27	E14	E27	E27	E14	E27	E14	E27	E27
														
PARATHOM® PRO	x	x	—	x	—	—	—	—	—	—	—	—	—	—
Premium lighting for professional applications														
PARATHOM® ADVANCED	x	x	x	—	x	—	x	x	x	x	x	x	x	x
High quality and flexibility for all dimmable applications														
PARATHOM® GLOWdim	x	x	—	—	—	—	—	—	x	x	—	x	—	—
Direct alternative to incandescent or halogen lamps														
PARATHOM®	x	x	x	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	x	x	x
Large RETROFIT portfolio in vintage design														
PARATHOM® Daylight Sensor	—	—	—	—	—	—	—	—	x	—	—	—	—	—
Controlled by daylight sensors														

										
	Special								Tubes	
	E14	E27	PIN G9	PIN G4	S14s	S14d	R7s	S19	G13	G5
										
PARATHOM® SPECIAL T26	x	—	—	—	—	—	—	—	x	—
For extremely small luminaires										
PARATHOM® PIN	—	—	x	x	—	—	—	—	x	x
For atmospheric lighting										
LEDinestra® Advanced	—	—	—	—	x	x	—	—	x	x
Dimmable replacement for traditional incandescent tubes										
LEDinestra®	—	—	—	—	x	x	—	—	x	x
As a replacement for traditional incandescent tubes										
PARATHOM® LINE	—	—	—	—	—	—	x	x	x	—
Alternative to conventional R7s and S19 lamps										
PARATHOM® HQL LED	—	x	—	—	—	—	—	—	x	—
As replacement for mercury vapour lamps										

		
	Tubes	
	G13	G5
		
SubstiTUBE® Advanced Connected	x	—
For wireless dimming without rewiring		
SubstiTUBE® Advanced UO	x	x
For demanding lighting installations		
SubstiTUBE® Advanced	x	x
For standard lighting tasks		
SubstiTUBE® Value	x	—
For cost-oriented lighting tasks		

PARATHOM® PAR16



Item name	Product number (GTin)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	° ²	l [mm]	d [mm]	t [h] ³	Energy label	No.
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OSRAM PARATHOM® PRO PAR16 dimmable² – GU10, 220–240V, 36°, folding carton box

PRO PAR16 35	4052899957831	4.6	35W	230	565	2,700	90	✓	55	51	40,000	A	01
PRO PAR16 35	4052899957848	4.6	35W	230	565	3,000	90	✓	55	51	40,000	A	01
PRO PAR16 50	4052899957855	6.1	50W	350	900	2,700	90	✓	55	51	40,000	A+	01
PRO PAR16 50	4052899957862	6.1	50W	350	900	3,000	90	✓	55	51	40,000	A+	01
PRO PAR16 50	4052899957879	6.1	50W	350	900	4,000	90	✓	55	51	40,000	A+	01

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

ADVANCED PAR16 35	4052899957909	3.1	35W	230	565	2,700	80	✓	55	51	25,000	A+	01
ADVANCED PAR16 35	4052899957916	3.1	35W	230	565	3,000	80	✓	55	51	25,000	A+	01
ADVANCED PAR16 35	4052899957923	3.1	35W	230	565	4,000	80	✓	55	51	25,000	A+	01
ADVANCED PAR16 50	4052899957954	4.6	50W	350	750	2,700	80	✓	55	51	25,000	A+	01
ADVANCED PAR16 50	4052899957961	4.6	50W	350	750	3,000	80	✓	55	51	25,000	A+	01
ADVANCED PAR16 50	4052899957978	4.6	50W	350	750	4,000	80	✓	55	51	25,000	A+	01
ADVANCED PAR16 80	4052899958005	7.2	80W	575	1,439	2,700	80	✓	55	51	25,000	A+	01
ADVANCED PAR16 80	4052899958012	7.2	80W	575	1,439	3,000	80	✓	55	51	25,000	A+	01
ADVANCED PAR16 80	4052899958029	7.2	80W	575	1,439	4,000	80	✓	55	51	25,000	A+	01

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

PAR16 35	4052899958050	2.6	35W	230	565	2,700	80	—	55	51	15,000	A+	01
PAR16 35	4052899958067	2.6	35W	230	565	4,000	80	—	55	51	15,000	A+	01
PAR16 50	4052899958104	4.3	50W	350	750	2,700	80	—	55	51	15,000	A+	01
PAR16 50	40528999581735	4.3	50W	350	750	3,000	80	—	55	51	15,000	A+	01
PAR16 50	4052899958128	4.3	50W	350	750	4,000	80	—	55	51	15,000	A+	01
PAR16 80	4052899958173	6.9	80W	575	1,164	2,700	80	—	55	51	15,000	A+	01
PAR16 80	4052899958180	6.9	80W	575	1,439	4,000	80	—	55	51	15,000	A+	01

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

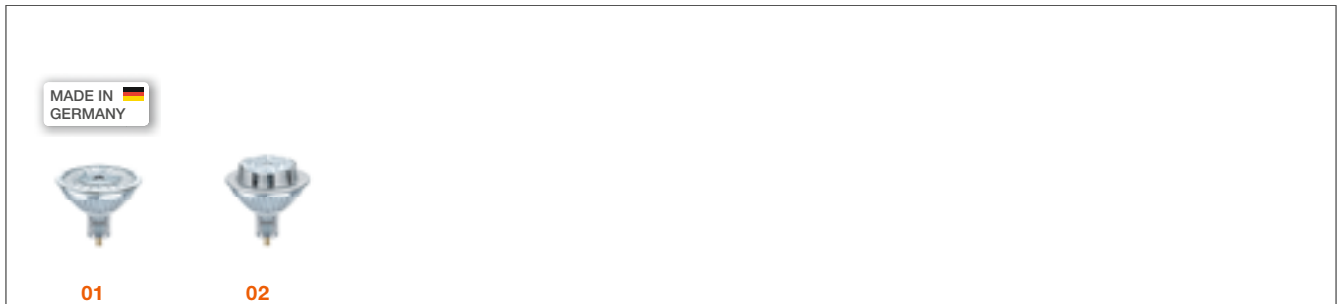
PAR16 50 120°	4052899958111	4.3	50W	350	120	2,700	80	—	55	51	15,000	A+	02
PAR16 50 120°	4052899958142	4.3	50W	350	120	4,000	80	—	55	51	15,000	A+	02

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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.ledvance.com/dim and in the additional technical product information sheets linked there

³ L70/B50

PARATHOM® MR16



Item name	Product number (GTin)	W ¹	Replace- ment for	lm ¹	cd	K	R _a	 ²			 ³		
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OSRAM PARATHOM® PRO MR16 dimmable² – GU5.3, 12V, 36°, folding carton box

PRO MR16 20	4052899957497	5	20W	230	600	2,700	90	✓	46	51	40,000	A	01
PRO MR16 20	4052899957503	5	20W	230	600	3,000	90	✓	46	51	40,000	A	01
PRO MR16 35	4052899957510	6.1	35W	350	900	2,700	90	✓	53	51	40,000	A	02
PRO MR16 35	4052899957527	6.1	35W	350	900	3,000	90	✓	53	51	40,000	A	02
PRO MR16 43	4052899957534	7.8	43W	500	1,150	2,700	90	✓	53	51	40,000	A	02
PRO MR16 43	4052899957541	7.8	43W	500	1,150	3,000	90	✓	53	51	40,000	A	02
PRO MR16 43	4052899957558	7.8	43W	500	1,150	4,000	90	✓	53	51	40,000	A	02

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

ADVANCED MR16 20	4052899957589	3	20W	230	600	2,700	80	✓	46	51	25,000	A+	01
ADVANCED MR16 20	4052899957596	3	20W	230	600	3,000	80	✓	46	51	25,000	A+	01
ADVANCED MR16 20	4052899957602	3	20W	230	600	4,000	80	✓	46	51	25,000	A+	01
ADVANCED MR16 35	4052899957633	5	35W	350	950	2,700	80	✓	46	51	25,000	A+	01
ADVANCED MR16 35	4052899957640	5	35W	350	950	3,000	80	✓	46	51	25,000	A+	01
ADVANCED MR16 35	4052899957657	5	35W	350	950	4,000	80	✓	46	51	25,000	A+	01
ADVANCED MR16 50	4052899957688	7.8	50W	621	1,430	2,700	80	✓	53	51	25,000	A+	02
ADVANCED MR16 50	4052899957695	7.8	50W	621	1,430	3,000	80	✓	53	51	25,000	A+	02
ADVANCED MR16 50	4052899957701	7.8	50W	621	1,430	4,000	80	✓	53	51	25,000	A+	02

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

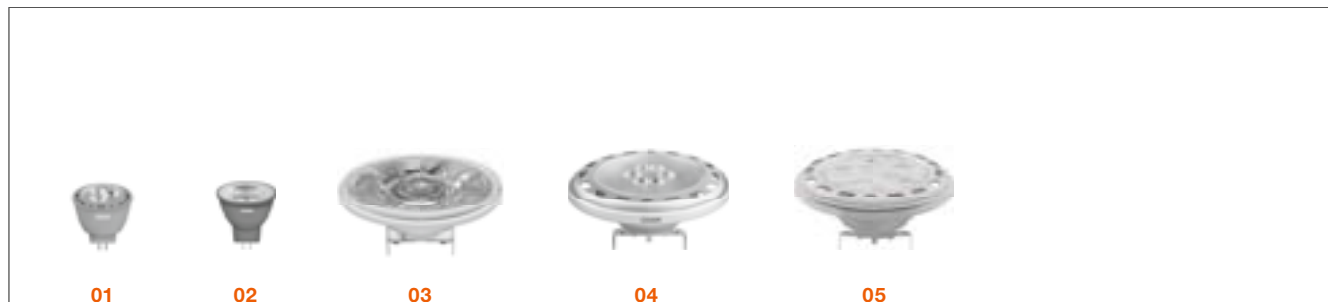
MR16 20	4052899957749	2.9	20W	230	600	2,700	80	—	46	51	15,000	A+	01
MR16 20	4052899957732	2.9	20W	230	600	4,000	80	—	46	51	15,000	A+	01
MR16 35	4052899957770	4.6	35W	350	950	2,700	80	—	46	51	15,000	A+	01
MR16 35	4052899957787	4.6	35W	350	950	4,000	80	—	46	51	15,000	A+	01
MR16 50	4052899957817	7.2	50W	621	1,430	2,700	80	—	53	51	15,000	A+	02
MR16 50	4052899957824	7.2	50W	621	1,430	4,000	80	—	53	51	15,000	A+	02

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³ L70/B50

PARATHOM® MR11, AR111



Item name	Product number (GTin)	W ¹	Replace-ment for	lm ¹	cd	K	Ra	 ²	 ³	 ³	 ³		
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OSRAM PARATHOM® ADVANCED MR11 dimmable² – GU4, 12V, 30°, folding carton box

ADVANCED MR11 20 30°	4052899938687	3.1	20W	184	500	2,700	80	✓	39	35	25,000	A+	01
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OSRAM PARATHOM® MR11 – GU4, 12V, 36°, folding carton box

MR11 20 36°	4052899954977	2.6	20W	184	400	2,700	80	—	38	34.7	15,000	A+	02
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OSRAM PARATHOM® PRO AR111 dimmable² – G53, 12V, 24°, folding carton box

PRO AR111 50 927	4052899960862	13	50W	650	2,450	2,700	90	✓	54.3	111	40,000	A	03
PRO AR111 50 930	4052899960879	13	50W	650	2,450	3,000	90	✓	54.3	111	40,000	A	03
PRO AR111 75 927	4052899960923	15.5	75W	800	3,100	2,700	90	✓	54.3	111	40,000	A	03
PRO AR111 75 930	4052899970656	15.5	75W	800	3,100	3,000	90	✓	54.3	111	40,000	A	03
PRO AR111 75 840	4052899960947	13	75W	860	3,300	4,000	80	✓	54.3	111	40,000	A	03

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

PRO AR111 50 927	4052899960893	13	50W	650	1,200	2,700	90	✓	54.3	111	40,000	A	03
PRO AR111 50 930	4052899960886	13	50W	650	1,200	3,000	90	✓	54.3	111	40,000	A	03
PRO AR111 75 927	4052899960930	15.5	75W	800	1,500	2,700	90	✓	54.3	111	40,000	A	03
PRO AR111 75 930	4052899960916	15.5	75W	800	1,500	3,000	90	✓	54.3	111	40,000	A	03

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

AR111 50 830	4052899938465	7.2	50W	500	2,400	3,000	80	—	57	111	30,000	A+	04
AR111 75 830	4052899938489	10.5	75W	800	3,500	3,000	80	—	57	111	30,000	A+	05

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

AR111 50 830	4052899938472	7.2	50W	500	1,300	3,000	80	—	57	111	30,000	A+	04
AR111 75 830	4052899938496	10.5	75W	800	1,800	3,000	80	—	57	111	30,000	A+	05

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³ L70/B50

PARATHOM® PAR20/30/38



Item name	Product number (GTin)	W ¹	Replace- ment for	lm ¹	cd	K	R _a	 ²	 ²	 ²	 ³		
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OSRAM PARATHOM® ADVANCED PAR20 dimmable² – E27, 220–240 V, 36°, folding carton box

ADVANCED PAR20	4052899954939	5	51 W	350	1,000	2,700	80	✓	86	63	25,000	A+	01
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OSRAM PARATHOM® ADVANCED PAR20 dimmable² – E27, 220–240 V, 15°, folding carton box

ADVANCED PAR20	4052899955004	5	51 W	350	3,300	2,700	80	✓	86	63	25,000	A+	01
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OSRAM PARATHOM® ADVANCED PAR30 dimmable² – E27, 220–240 V, 36°, folding carton box

ADVANCED PAR30	4052899954892	8	77 W	650	2,000	2,700	80	✓	115	95	25,000	A+	02
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OSRAM PARATHOM® ADVANCED PAR38 IP65 dimmable² – E27, 220–240 V, 30°, folding carton box

ADVANCED PAR38	4052899954908	14	116 W	1,000	3,300	2,700	80	✓	134	122	25,000	A	03
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OSRAM PARATHOM® PAR38 – E27, 220–240 V, 15°, folding carton box

PAR38	4052899955080	11	108 W	940	8,000	2,700	80	—	125	121	25,000	A+	04
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OSRAM PARATHOM® PAR38 – E27, 220–240 V, 30°, folding carton box

PAR38	4052899955028	11	108 W	940	3,000	2,700	80	—	125	121	25,000	A+	04
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¹ All technical parameters apply to the entire lamp. Because of the complex manufacturing process for light-emitting diodes (LEDs), the specified typical values for LED technical parameters represent only purely statistical variables. They do not necessarily correspond to the actual technical parameters for 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.ledvance.com/dim and in the additional technical product information sheets linked there

³ L70/B50

PARATHOM® CONCENTRA R50/R63/R80



Item name	Product number (GTin)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	 ²	 ²	 ²	 ³		
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OSRAM PARATHOM® ADVANCED R50 dimmable² – E14, 220–240 V, 36°, folding carton box

R50 40 E14	4052899954953	3.5	46W	230	460	2,700	80	✓	86	50	25,000	A+	01
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OSRAM PARATHOM® R50 – E14, 220–240 V, 36°, folding carton box

R50 40 827	4052899963214	3.5	46W	230	460	2,700	80	—	86	50	15,000	A+	01
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OSRAM PARATHOM® R50 – E27, 220–240 V, 36°, folding carton box

R50 40 827	4052899954991	3.5	46W	230	460	2,700	80	—	86	50	15,000	A+	02
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OSRAM PARATHOM® ADVANCED R63/80 dimmable² – E27, 220–240 V, 36°, folding carton box

ADVANCED R63 827	4052899956902	5.5	61W	350	960	2,700	80	✓	95	64	25,000	A+	02
ADVANCED R80 827	4052899955042	5.5	63W	360	960	2,700	80	✓	110	80	25,000	A+	03

OSRAM PARATHOM® R63/80 – E27, 220–240 V, 36°, folding carton box

R63 827	4052899963597	5	64W	370	960	2,700	80	—	95	64	15,000	A+	02
R80 827	4052899963610	5	71W	390	970	2,700	80	—	110	80	15,000	A+	03

OSRAM PARATHOM® RETROFIT R50 – E14, 220–240 V, 50°, folding carton box

RETROFIT R50 25 827	4052899972711	2	25W	104	200	2,700	80	—	85	50	15,000	A+	04
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OSRAM PARATHOM® RETROFIT R63/80 – E27, 220–240 V, folding carton box

RETROFIT R63 827	4052899972735	5	40W	207	300	2,700	80	—	100	63	15,000	A	05
RETROFIT R80 827	4052899972759	7	46W	345	270	2,700	80	—	115	80	15,000	A	06

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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.ledvance.com/dim and in the additional technical product information sheets linked there

³ L70/B50

PARATHOM® CLASSIC A/GLOBE



Item name	Product number (GTin)	W ¹	Replace- ment for	lm ¹	cd	K	R _a	 ²	 ³		 ³		
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OSRAM PARATHOM® ADVANCED CLASSIC A dimmable² – E27, 200/300°, 220–240V, folding carton box

ADVANCED CL A40 frosted	4052899369047	6	40W	470	—	2,700	80	✓	110	60	25,000	A+	01
ADVANCED CL A40 clear sparkling	4052899369085	6	40W	470	—	2,700	80	✓	110	60	25,000	A+	02
ADVANCED CL A60 frosted	4052899369870	9	60W	806	—	2,700	80	✓	110	60	25,000	A+	01
ADVANCED CL A60 frosted	4052899369931	9	60W	806	—	4,000	80	✓	110	60	25,000	A+	01
ADVANCED CL A60 clear sparkling	4052899369900	10	60W	806	—	2,700	80	✓	110	60	25,000	A+	02
ADVANCED CL A75 frosted	4052899369535	9	75W	1,055	—	2,700	80	✓	110	60	25,000	A+	01
ADVANCED CL A100 frosted 200°	4052899960909	14.5	100W	1,521	—	2,700	80	✓	120	60	25,000	A+	03
ADVANCED CL A150 frosted 200°	4052899959217	21	150W	2,452	—	2,700	80	✓	143	67	25,000	A+	04

OSRAM PARATHOM® CLASSIC A – E27, 200°, 220–240V, folding carton box

CL A40 frosted	4052899924574	5	40W	470	—	2,700	80	—	110	60	15,000	A+	01
CL A40 frosted	4052899369009	5	40W	470	—	4,000	80	—	110	60	15,000	A+	01
CL A40 clear sparkling	4052899368965	5	40W	470	—	2,700	80	—	110	60	15,000	A+	02
CL A60 frosted	4052899369757	8	60W	806	—	2,700	80	—	110	60	15,000	A+	01
CL A60 frosted	4052899369818	8	60W	806	—	4,000	80	—	110	60	15,000	A+	01
CL A60 clear sparkling	4052899369856	8	60W	806	—	2,700	80	—	110	60	15,000	A+	02
CL A75 frosted	4052899369597	10	75W	1,055	—	2,700	80	—	110	60	15,000	A+	01
CL A75 frosted	4052899369634	10	75W	1,055	—	4,000	80	—	110	60	15,000	A+	01
CL A150 frosted	4052899959125	20	150W	2,452	—	2,700	80	—	143	67	15,000	A+	04

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

ADVANCED GLOBE frosted	4052899961166	12	75W	1,055	—	2,700	80	✓	128	95	25,000	A+	05
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OSRAM PARATHOM® CLASSIC GLOBE – E27, 220–240V, folding carton box

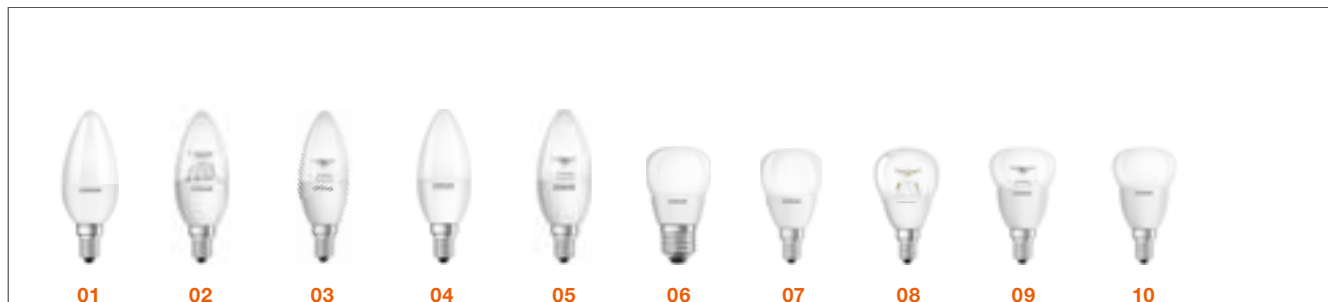
GLOBE frosted	4052899415126	9	60W	806	—	2,700	80	—	128	95	15,000	A+	05
GLOBE frosted	4052899961227	12	75W	1,055	—	2,700	80	—	128	95	15,000	A+	05
GLOBE frosted	4052899961142	15.5	100W	1,521	—	2,700	80	—	128	95	15,000	A+	05

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³ L70/B50

PARATHOM® CLASSIC B/P



Item name	Product number (GTin)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	Ø ²	l [mm]	d [mm]	t [h] ³	Energy label	No.
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OSRAM PARATHOM® ADVANCED CLASSIC B dimmable² – E14, 270°, 220–240V, folding carton box

ADVANCED CL B40 frosted	4052899961784	6	40 W	470	—	2,700	80	✓	106	35	25,000	A+	01
ADVANCED CL B40 clear sparkling	4052899961982	6	40 W	470	—	2,700	80	✓	106	35	25,000	A+	02

OSRAM PARATHOM® CLASSIC B – E14, 210°, 220–240V, folding carton box

CL B25 clear sparkling	4052899962002	3.3	25 W	250	—	2,700	80	—	109	35	15,000	A+	03
CL B40 frosted	4052899961951	5.7	40 W	470	—	2,700	80	—	106	35	15,000	A+	04
CL B40 clear sparkling	4052899961975	5.7	40 W	470	—	2,700	80	—	106	35	15,000	A+	05

OSRAM PARATHOM® ADVANCED CLASSIC P dimmable² – E27, 270°, 220–240V, folding carton box

ADVANCED CL P25 frosted	4052899961760	3.2	25 W	250	—	2,700	80	✓	90	45	25,000	A+	06
ADVANCED CL P40 frosted	4052899962019	6	40 W	470	—	2,700	80	✓	90	45	25,000	A+	06

OSRAM PARATHOM® ADVANCED CLASSIC P dimmable² – E14, 270°, 220–240V, folding carton box

ADVANCED CL P25 frosted	4052899961753	3.2	25 W	250	—	2,700	80	✓	90	45	25,000	A+	07
ADVANCED CL P40 frosted	4052899961999	6	40 W	470	—	2,700	80	✓	90	45	25,000	A+	07
ADVANCED CL P40 clear sparkling	4052899962040	6	40 W	470	—	2,700	80	✓	90	45	25,000	A+	08

OSRAM PARATHOM® CLASSIC P – E14, 200°, 220–240V, folding carton box

CL P25 clear sparkling	4052899962026	3.3	25 W	250	—	2,700	80	—	88	45	15,000	A+	09
CL P40 frosted	4052899961968	5.7	40 W	470	—	2,700	80	—	88	45	15,000	A+	10

¹ All technical parameters apply to the entire lamp. Because of the complex manufacturing process for light-emitting diodes (LEDs), the specified typical values for LED technical parameters represent only purely statistical variables. They do not necessarily correspond to the actual technical parameters for each individual product which can deviate from the typical value

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³ L70/B50

PARATHOM® GLOWdim



Item name	Product number (GTin)	W ¹	Replace-ment for	lm ¹	K	Ra						
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OSRAM PARATHOM® ADVANCED GLOWdim PAR16 dimmable² – GU10, 36°, 220–240V, folding carton box

ADVANCED PAR16 GLOWdim	4052899960299	5.5	50W	350	2,700 – 2,000 K	80	✓	58	50	25,000	A+	01
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OSRAM PARATHOM® ADVANCED GLOWdim MR16 dimmable² – GU5.3, 36°, 12V, folding carton box

ADVANCED MR16 GLOWdim	4052899960251	5.5	35W	350	2,700 – 2,000 K	80	✓	52	50	25,000	A+	02
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OSRAM PARATHOM® ADVANCED GLOWdim CLASSIC A dimmable² – E27, 220–240V, folding carton box

ADVANCED RETROFIT CL A55 GLOWdim	4058075801417	7	55W	750	2,900 – 1,900 K	80	✓	114	60	15,000	A+	03
ADVANCED CL A60 frosted GLOWdim	4052899960244	10	60W	806	2,700 – 2,000 K	80	✓	109	60	25,000	A+	04

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

ADVANCED CL B40 frosted GLOWdim	4052899960268	6.5	40W	470	2,700 – 2,000 K	80	✓	105	38	25,000	A+	05
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OSRAM PARATHOM® ADVANCED GLOWdim CLASSIC P dimmable² – E14, 220–240V, folding carton box

ADVANCED CL P40 frosted GLOWdim	4052899960275	6.5	40W	470	2,700 – 2,000 K	80	✓	82	43	25,000	A+	06
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PARATHOM® Daylight Sensor

Item name	Product number (GTin)	W ¹	Replace-ment for	lm ¹	K	Ra						
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OSRAM PARATHOM® ADVANCED Classic A Daylight Sensor² – E27, 220–240V, folding carton box

ADVANCED Daylight Sensor CL A40	4052899959392	5	40W	470	2,700	80	—	109	60	25,000	A+	07
ADVANCED Daylight Sensor CL A60	4052899959415	9.5	60W	806	2,700	80	—	120	60	25,000	A+	07

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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.ledvance.com/dim and in the additional technical product information sheets linked there

³ L70/B50

PARATHOM® LED RETROFIT



Item name	Product number (6Tin)	W ¹	Replace- ment for	lm ¹	cd	K	R _a	 ²	 ²		 ³		
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OSRAM PARATHOM® ADVANCED LED RETROFIT CLASSIC A dimmable² – E27, 220–240V, folding carton box

ADVANCED RETROFIT CL A40 clear filament	4052899961937	4.5	40W	470	—	2,700	80	✓	105	60	15,000	A++	01
ADVANCED RETROFIT CL A60 clear filament	4052899961876	7	60W	806	—	2,700	80	✓	105	60	15,000	A++	02
ADVANCED RETROFIT CL A40 frosted	4052899959149	5	40W	470	—	2,700	80	✓	105	60	15,000	A+	03
ADVANCED RETROFIT CL A60 frosted	4052899959088	7	60W	806	—	2,700	80	✓	105	60	15,000	A+	03

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

RETROFIT CL A40 clear filament	4052899961722	4	40W	470	—	2,700	80	—	105	60	15,000	A++	01
RETROFIT CL A40 frosted	4052899941724	5.2	40W	470	—	2,700	80	—	108	60	15,000	A+	03
RETROFIT CL A60 frosted	4052899941748	7.2	60W	806	—	2,700	80	—	105	60	15,000	A+	03
RETROFIT CL A60 clear filament	4052899961654	6	60W	806	—	2,700	80	—	105	60	15,000	A++	02
RETROFIT CL A75 clear filament	4052899961708	8	75W	1,055	—	2,700	80	—	105	60	15,000	A++	04
RETROFIT CL A100 clear filament	4052899961685	12	95W	1,420	—	2,700	80	—	130	67	10,000	A+	05

OSRAM PARATHOM® ADVANCED LED RETROFIT CLASSIC B dimmable² – E14, 220–240V, folding carton box

ADVANCED RETROFIT CL B40 clear filament	4052899961821	4.5	40W	470	—	2,700	80	✓	118	36	15,000	A++	06
ADVANCED RETROFIT CL B40 frosted	4052899959170	5	40W	470	—	2,700	80	✓	97	35	15,000	A+	07

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

RETROFIT CL B25 clear filament	4052899961746	2.1	25W	250	—	2,700	80	—	97	35	15,000	A++	08
RETROFIT CL B25 frosted	4052899941762	2.1	25W	250	—	2,700	80	—	97	35	15,000	A++	07
RETROFIT CL B40 clear filament	4052899961661	4	40W	470	—	2,700	80	—	97	35	15,000	A++	09
RETROFIT CL BA40 clear filament	4052899961890	4	40W	470	—	2,700	80	—	119	35	15,000	A++	10
RETROFIT CL BW40 clear filament	4052899961913	4	40W	470	—	2,700	80	—	97	35	15,000	A++	11
RETROFIT CL B40 frosted	4052899959194	4	40W	470	—	2,700	80	—	97	35	15,000	A++	07

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³ L70/B50

PARATHOM® LED RETROFIT



Item name	Product number (GTin)	W ¹	Replace-ment for	lm ¹	cd	K	R _a	 ²	 ³		 ³		
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OSRAM PARATHOM® ADVANCED LED RETROFIT CLASSIC P dimmable² – E14, 220–240 V, folding carton box

ADVANCED RETROFIT CL P40 clear filament	4052899961852	4.5	40W	470	—	2,700	80	✓	110	45	15,000	A++	01
ADVANCED RETROFIT CL P40 frosted	4052899959309	5	40W	470	—	2,700	80	✓	78	45	15,000	A+	02

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

RETROFIT CL P25 clear filament	4052899961838	2	25W	250	—	2,700	80	—	84	45	15,000	A++	03
RETROFIT CL P40 frosted	4052899959361	4	40W	470	—	2,700	80	—	76	45	15,000	A+	04

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

RETROFIT CL P25 clear filament	4052899961791	2.1	25W	250	—	2,700	80	—	78	45	15,000	A++	05
RETROFIT CL P25 frosted	4052899959330	2.1	25W	250	—	2,700	80	—	78	45	15,000	A+	02
RETROFIT CL P40 clear filament	4052899961777	4	40W	470	—	2,700	80	—	78	45	15,000	A++	06
RETROFIT CL P40 frosted	4052899959323	4	40W	470	—	2,700	80	—	78	45	15,000	A+	02

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

RETROFIT GLOBE 25 clear filament	4052899962101	2	25W	250	—	2,700	80	—	168	124	15,000	A++	07
RETROFIT GLOBE 40 clear filament	4052899972797	4	40W	470	—	2,700	80	—	168	124	15,000	A++	08
RETROFIT GLOBE 60 clear filament	4052899972773	6	60W	806	—	2,700	80	—	168	124	15,000	A++	08

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

RETROFIT ST64 25 clear filament	4052899962125	2	25W	250	—	2,700	80	—	143	64	15,000	A++	09
RETROFIT ST64 40 clear filament	4052899972810	4	40W	470	—	2,700	80	—	143	64	15,000	A++	10
RETROFIT ST64 60 clear filament	4052899972834	6	60W	806	—	2,700	80	—	143	64	15,000	A++	10

Vintage 1906 LED GLOBE – E27, 220–240 V, folding carton box

Vintage 1906 LED GLOBE 35 FIL GOLD	4052899962071	4	35W	410	—	2,400	80	—	168	124	15,000	A++	11
Vintage 1906 LED GLOBE 50 FIL GOLD dim	4052899972698	7	54W	710	—	2,400	80	✓	168	124	15,000	A+	11

Vintage 1906 LED Edison – E27, 220–240 V, folding carton box

Vintage 1906 LED Edison 35 FIL GOLD	4052899962095	4	35W	410	—	2,400	80	—	143	64	15,000	A++	12
Vintage 1906 LED Edison 50 FIL GOLD dim	4052899972360	7	54W	710	—	2,400	80	✓	143	64	15,000	A++	12

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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.ledvance.com/dim and in the additional technical product information sheets linked there

³ L70/B50

PARATHOM® for special applications



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

SPECIAL T26 20	4052899961289	2.3	20W	200	—	2,700	80	—	63	25	15,000	A++	01
SPECIAL T26 20	4052899961302	2.3	20W	200	—	6,500	80	—	63	25	15,000	A++	01

OSRAM PARATHOM® PIN G9 – G9, 220–240V, 300°, folding carton box

PIN G9 20	4052899964402	1.8	20W	200	—	2,700	80	—	47	16	15,000	A++	02
PIN G9 30	4052899964426	2.8	28W	300	—	2,700	80	—	52	16	15,000	A++	02

OSRAM PARATHOM® PIN G4 – G4, 12V, 300°, folding carton box

PIN G4 20	4052899964358	1.7	20W	200	—	2,700	80	—	36	14	15,000	A++	03
PIN G4 30	4052899964372	2.4	28W	300	—	2,700	80	—	44	14	15,000	A++	03

OSRAM PARATHOM® LINE – R7s, 220–240V, 300°, folding carton box

LINE R7s 60	4052899961265	6.5	60W	806	—	2,700	80	—	118	24	15,000	A++	04
LINE R7s 75	4052899961241	9	75W	1,055	—	2,700	80	—	118	24	15,000	A+	04

OSRAM PARATHOM® LINE – S19, 220–240V, 140°, folding carton box

LINE S19	4052899955066	9	60W	806	—	2,700	80	—	310	38	15,000	A+	05
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PARATHOM®: the replacement for HQL lamps

Item name	Product number (GTin)	W ¹	Replace-ment for	lm ¹	cd	K	R _a		l [mm]	d [mm]	t [h] ³		No.
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OSRAM PARATHOM® HQL LED – 280°, 220–240V, IP60, 4kV, folding carton box

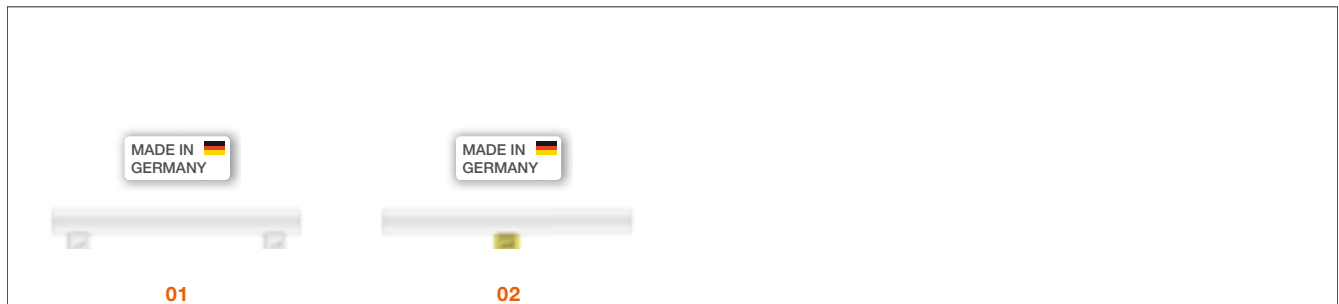
HQL LED 2000LM E27	4052899961555	18	—	2,000	—	4,000	80	—	166	70	32,000	A+	06
HQL LED 2500LM E27	4052899961562	24	—	2,500	—	4,000	80	—	186	70	32,000	A+	06
HQL LED 3000LM E27	4052899961579	27	—	3,000	—	4,000	80	—	205	93	32,000	A+	06
HQL LED 4000LM E27	4052899961586	36	—	4,000	—	4,000	80	—	235	93	32,000	A+	06
HQL LED 6000LM E27	4052899961593	54	—	6,000	—	4,000	80	—	265	93	32,000	A+	06

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³ L70/B50

PARATHOM® for special applications



Item name	Product number (GTin)	W ¹	Replace- ment for tube bulbs	lm ¹	cd	K	R _a	 ²	 ³		 ³		
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OSRAM LEDinestra® ADVANCED dimmable² – S14s, 230 V, 200°, folding carton box

LEDINESTRA ADVANCED 25	4052899110311	6	30 cm	250	—	2,700	80	✓	300	29	20,000	A	01
LEDINESTRA ADVANCED 38	4008321979193	9	50 cm	450	—	2,700	80	✓	500	29	20,000	A	01
LEDINESTRA ADVANCED 75	4052899961319	16.5	100 cm	1,055	—	2,700	80	✓	1,000	29	20,000	A	01

OSRAM LEDinestra® – S14s, 230 V, 200°, folding carton box

LEDINESTRA 25	4052899961180	5	30 cm	250	—	2,700	80	—	300	29	15,000	A	01
LEDINESTRA 40	4052899961203	8.5	50 cm	470	—	2,700	80	—	500	29	15,000	A	01

OSRAM LEDinestra® ADVANCED dimmable² – S14d, 230 V, 200°, folding carton box

LEDINESTRA ADVANCED 25	4052899110335	6	30 cm	250	—	2,700	80	✓	300	29	20,000	A	02
LEDINESTRA ADVANCED 38	4008321979216	9	50 cm	450	—	2,700	80	✓	500	29	20,000	A	02

OSRAM LEDinestra® – S14d, 230 V, 200°, folding carton box

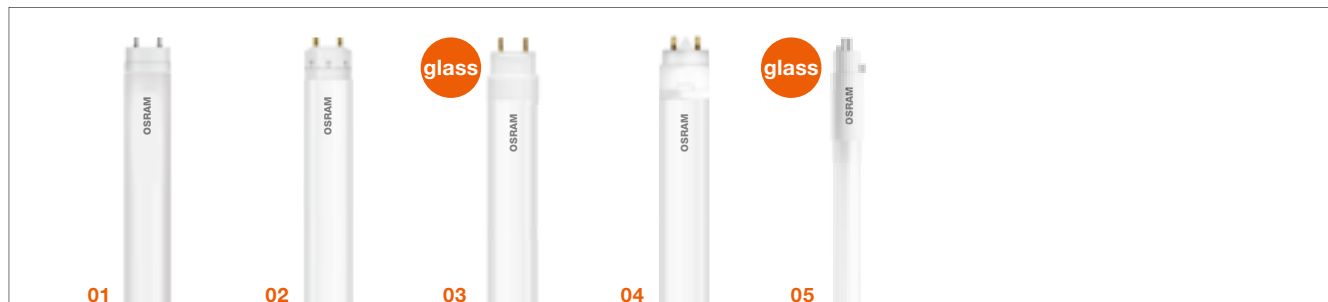
LEDINESTRA 25	4052899961173	5	30 cm	250	—	2,700	80	—	300	29	15,000	A	02
LEDINESTRA 40	4052899961197	8.5	50 cm	470	—	2,700	80	—	500	29	15,000	A	02

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³ L70/B50

SubstiTUBE®



Item name	Product number (GTin)									
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OSRAM SubstiTUBE® Advanced T5 HF UO – G5 – for ECG luminaires⁴

ST5AU-1.5m-37W-840-HF	4052899956636	1,449	37 ³	5,600 ³	4,000	180°	>80	60,000	A++	05
ST5AU-1.5m-37W-865-HF	4052899956643	1,449	37 ³	5,600 ³	6,500	180°	>80	60,000	A++	05

OSRAM SubstiTUBE® Advanced T5 HF – G5 – for ECG luminaires⁴

ST5A-1.5m-25W-840-HF	4052899956674	1,449	26 ³	3,920 ³	4,000	180°	>80	60,000	A++	05
ST5A-1.5m-25W-865-HF	4052899956681	1,449	26 ³	3,920 ³	6,500	180°	>80	60,000	A++	05

OSRAM SubstiTUBE® Advanced T8 EM, Connected – G13, 230V – for CCG luminaires

ST8AU-1.2m-16W-840-CON	4052899970557	1,200	16 ³	2,400 ³	4,000	160°	>80	50,000	A++	01
ST8AU-1.2m-16W-865-CON	4052899970564	1,200	16 ³	2,400 ³	6,500	160°	>80	50,000	A++	01
ST8AU-1.5m-24W-840-CON	4052899970571	1,500	24 ³	3,600 ³	4,000	160°	>80	50,000	A++	01
ST8AU-1.2m-24W-865-CON	4052899970588	1,500	24 ³	3,600 ³	6,500	160°	>80	50,000	A++	01

OSRAM SubstiTUBE® Connected Sensors

Type	Sensor type	Product number (GTin)	Installation	Recommended installation height	Type of protection	Voltage	Frequency	Application
SubstiTUBE® Sensor IS 3360	passive infrared	4058075801448	Ceiling	2.50 – 4.00 m	IP54	230 – 240V	50 Hz	Parking garages
SubstiTUBE® Sensor IS 345	passive infrared	4058075801462	Ceiling	2.50 – 5.00 m	IP54	230 – 240V	50 Hz	Corridors
SubstiTUBE® Sensor IS 345 MX	passive infrared	4058075801486	Ceiling, corridor	4.00 – 12.00 m	IP54	230 – 240V	50 Hz	Industry, warehouses

Item name	Product number (GTin)									
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OSRAM SubstiTUBE® Advanced T8, Universal – G13, 230V – for CCG and ECG luminaires

ST8A-1.2m-16W-840-UN	4052899956513	1,200	16 ³	2,400 ³	4,000	160°	>80	50,000	A++	01
ST8A-1.2m-16W-865-UN	4052899956520	1,200	16 ³	2,400 ³	6,500	160°	>80	50,000	A++	01
ST8A-1.5m-24W-840-UN	4052899956551	1,500	24 ³	3,600 ³	4,000	160°	>80	50,000	A++	01
ST8A-1.5m-24W-865-UN	4052899956575	1,500	24 ³	3,600 ³	6,500	160°	>80	50,000	A++	01

OSRAM SubstiTUBE® Advanced T8 EM-R UO, with rotating end caps – G13, 230V – for CCG luminaires

ST8AU-1.2m-16W-840-EM	4052899956438	1,200	16	2,400	4,000	160°	>80	50,000	A++	02
ST8AU-1.2m-16W-865-EM	4052899956445	1,200	16	2,400	6,500	160°	>80	50,000	A++	02
ST8AU-1.5m-24W-840-EM	4052899956476	1,500	24	3,600	4,000	150°	>80	50,000	A++	02
ST8AU-1.5m-24W-865-EM	4052899956483	1,500	24	3,600	6,500	150°	>80	50,000	A++	02

Item name	Product number (GTin)									
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OSRAM SubstiTUBE® Advanced T8 EM-R, with rotating end caps – G13, 230V – for CCG luminaires

ST8A-0.6m-7.3W-830-EM	4052899956070	590	7.3 ³	990 ³	3,000	160°	>80	50,000	A++	02
ST8A-0.6m-7.3W-840-EM	4052899956087	590	7.3 ³	1,100 ³	4,000	160°	>80	50,000	A++	02
ST8A-0.6m-7.3W-865-EM	4052899956094	590	7.3 ³	1,100 ³	6,500	160°	>80	50,000	A++	02
ST8A-1.2m-14W-830-EM	4052899956131	1,200	14	1,900	3,000	150°	>80	50,000	A++	02
ST8A-1.2m-14W-840-EM	4052899956148	1,200	14	2,100	4,000	150°	>80	50,000	A++	02
ST8A-1.2m-14W-865-EM	4052899956155	1,200	14	2,100	6,500	150°	>80	50,000	A++	02
ST8A-1.5m-20W-830-EM	4052899956193	1,500	20	2,750	3,000	150°	>80	50,000	A++	02
ST8A-1.5m-20W-840-EM	4052899956209	1,500	20	3,000	4,000	150°	>80	50,000	A++	02
ST8A-1.5m-20W-865-EM	4052899956216	1,500	20	3,000	6,500	150°	>80	50,000	A++	02

OSRAM SubstiTUBE® Value T8 EM – G13, 230V – for CCG luminaires

ST8V-0.6m-8W-830-EM	4052899955677	590	8	720	3,000	220°	>80	30,000	A+	03
ST8V-0.6m-8W-840-EM	4052899955691	590	8	800	4,000	220°	>80	30,000	A+	03
ST8V-0.6m-8W-865-EM	4052899955714	590	8	800	6,500	220°	>80	30,000	A+	03
ST8V-1.2m-17W-830-EM	4052899955738	1,200	17	1,530	3,000	220°	>80	30,000	A+	03
ST8V-1.2m-17W-840-EM	4052899955752	1,200	17	1,700	4,000	220°	>80	30,000	A+	03
ST8V-1.2m-17W-865-EM	4052899955776	1,200	17	1,700	6,500	220°	>80	30,000	A+	03
ST8V-1.5m-20W-830-EM	4052899955790	1,500	20	1,800	3,000	220°	>80	30,000	A+	03
ST8V-1.5m-20W-840-EM	4052899955806	1,500	20	2,000	4,000	220°	>80	30,000	A+	03
ST8V-1.5m-20W-865-EM	4052899955813	1,500	20	2,000	6,500	220°	>80	30,000	A+	03

OSRAM SubstiTUBE® Advanced T8 HF – G13 – for ECG luminaires⁴

ST8A-0.6m-8.7W-830-HF	4052899956254	590	8.7 ³	990 ³	3,000	160°	>80	50,000	A++	01
ST8A-0.6m-8.7W-840-HF	4052899956261	590	8.7 ³	1,100 ³	4,000	160°	>80	50,000	A++	01
ST8A-0.6m-8.7W-865-HF	4052899956278	590	8.7 ³	1,100 ³	6,500	160°	>80	50,000	A++	01
ST8A-1.2m-14.5-830-HF	4052899956315	1,200	14.5 ³	1,900 ³	3,000	160°	>80	50,000	A++	01
ST8A-1.2m-14.5-840-HF	4052899956322	1,200	14.5 ³	2,100 ³	4,000	160°	>80	50,000	A++	01
ST8A-1.2m-14.5-865-HF	4052899956339	1,200	14.5 ³	2,100 ³	6,500	160°	>80	50,000	A++	01
ST8A-1.5m-20W-830-HF	4052899956377	1,500	20 ³	2,750 ³	3,000	160°	>80	50,000	A++	01
ST8A-1.5m-20W-840-HF	4052899956384	1,500	20 ³	3,000 ³	4,000	160°	>80	50,000	A++	01
ST8A-1.5m-27W-840-HF	4058075802902	1,500	25 ³	3,600 ³	4,000	150°	>80	50,000	A+	04
ST8A-1.5m-20W-865-HF	4052899956391	1,500	20 ³	3,000 ³	6,500	160°	>80	50,000	A++	01

OSRAM SubstiTUBE® Value T8 HF – G13 – for ECG luminaires⁴

ST8V-0.6m-8W-830-HF	4052899955899	590	8 ³	720 ³	3,000	180°	>80	30,000	A+	03
ST8V-0.6m-8W-840-HF	4052899955905	590	8 ³	800 ³	4,000	180°	>80	30,000	A+	03
ST8V-0.6m-8W-865-HF	4052899955912	590	8 ³	800 ³	6,500	180°	>80	30,000	A+	03
ST8V-1.2m-17W-830-HF	4052899955950	1,200	17 ³	1,530 ³	3,000	180°	>80	30,000	A+	03
ST8V-1.2m-17W-840-HF	4052899955967	1,200	17 ³	1,700 ³	4,000	180°	>80	30,000	A+	03
ST8V-1.2m-17W-865-HF	4052899955974	1,200	17 ³	1,700 ³	6,500	180°	>80	30,000	A+	03
ST8V-1.5m-20W-830-HF	4052899956018	1,500	20 ³	1,800 ³	3,000	180°	>80	30,000	A+	03
ST8V-1.5m-20W-840-HF	4052899956025	1,500	20 ³	2,000 ³	4,000	180°	>80	30,000	A+	03
ST8V-1.5m-20W-865-HF	4052899956032	1,500	20 ³	2,000 ³	6,500	180°	>80	30,000	A+	03

¹ All technical parameters apply to the entire lamp. Because of the complex manufacturing process for light-emitting diodes (LEDs), the specified typical values for LED technical parameters represent only purely statistical variables. They do not necessarily correspond to the actual technical parameters for each individual product which can deviate from the typical value

² L70/B50

³ Provisional data

⁴ Values for the use on the reference ECG

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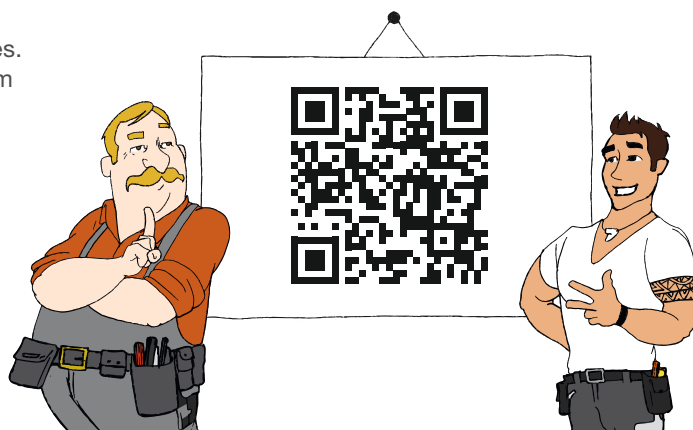
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