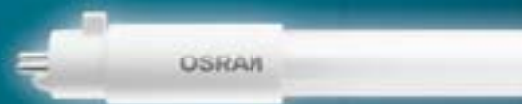




LEDVANCE

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

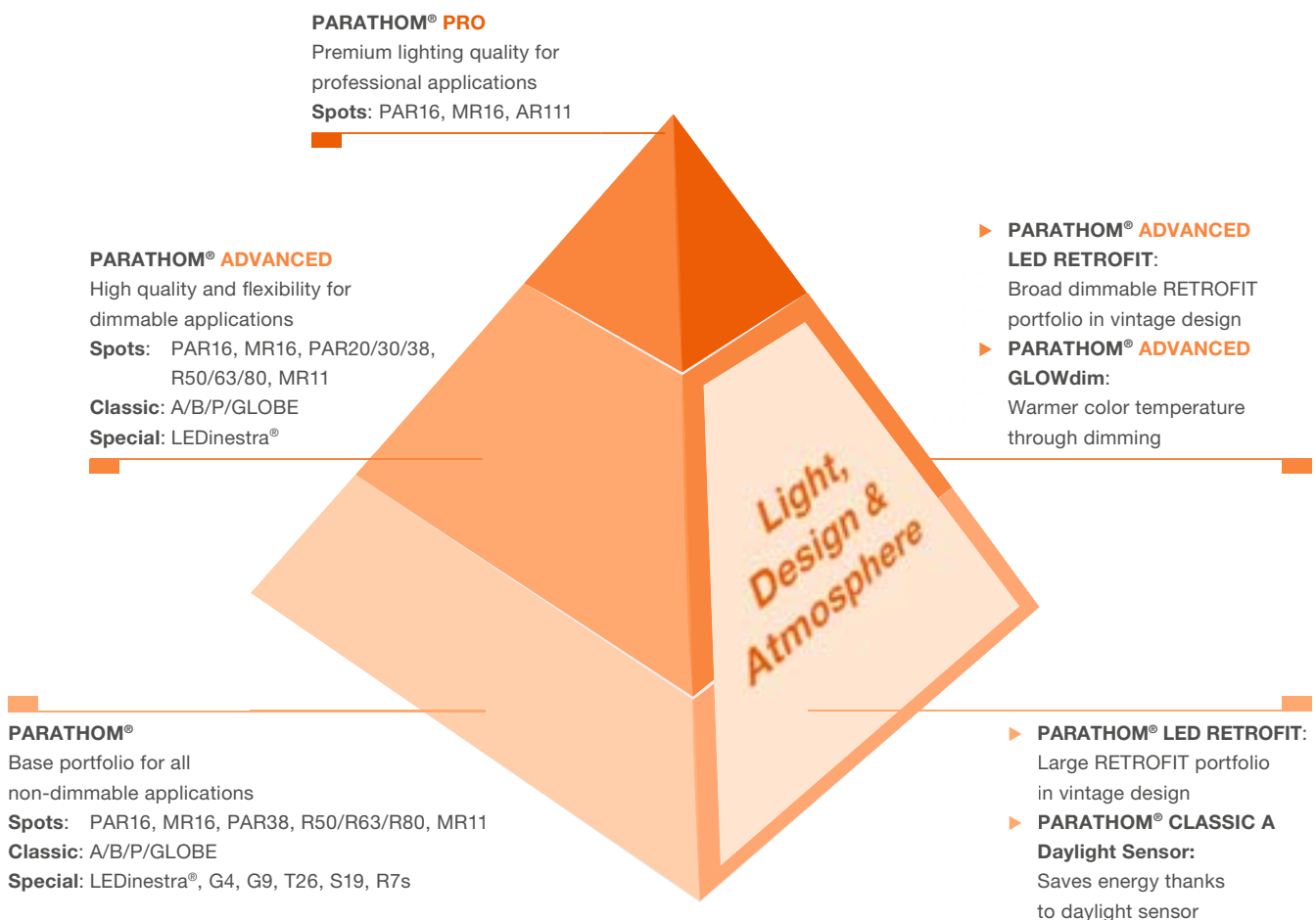
The latest OSRAM LED lamp portfolio is the broadest ever – including many new lamps that bring a specific added value: the perfect combination of classic design and advanced LED technology. Structured for extra clarity into the three product segments of PARATHOM® PRO, PARATHOM® ADVANCED and PARATHOM®, 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:



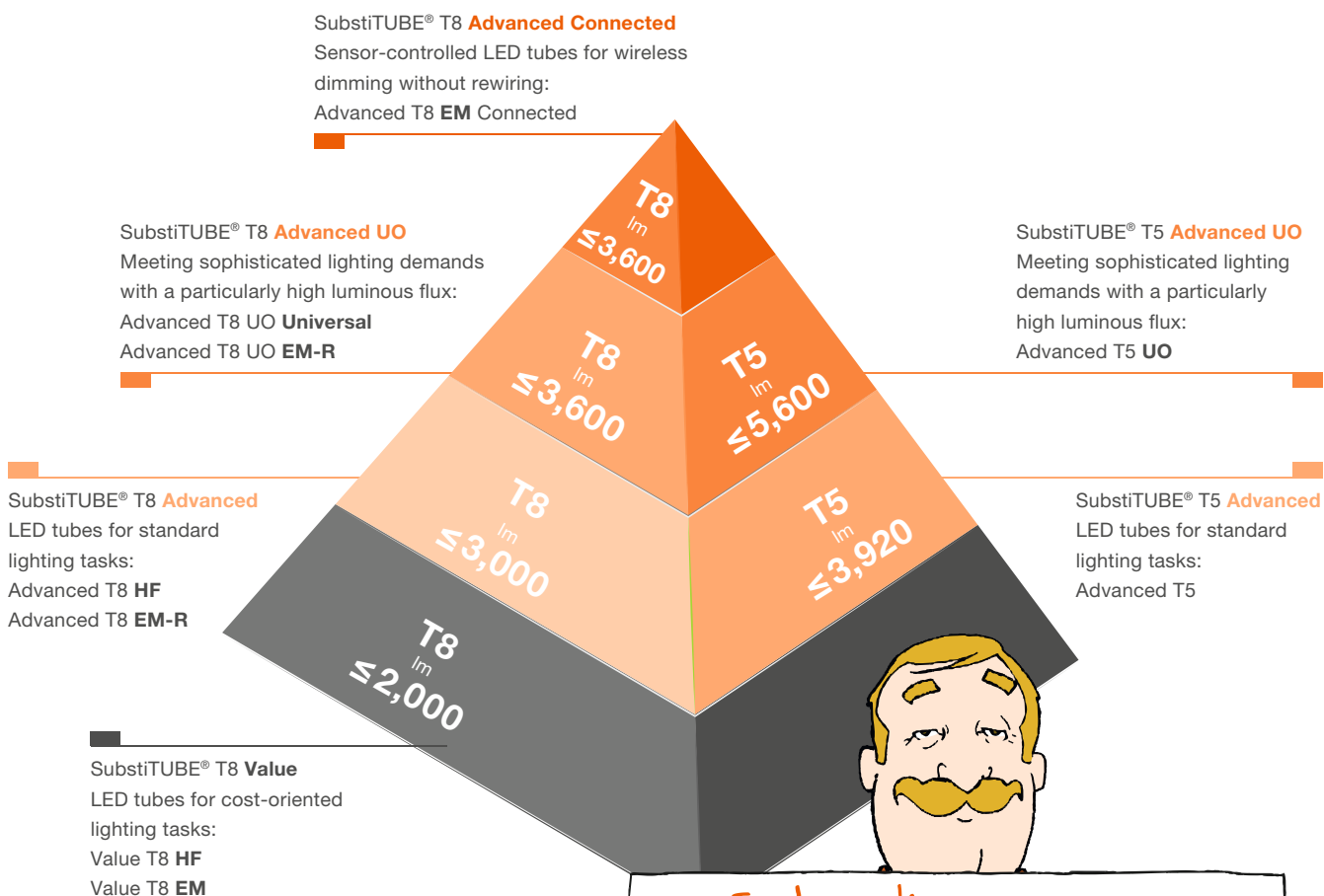
¹ For further information and full guarantee conditions, please visit www.ledvance.com/guarantee

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

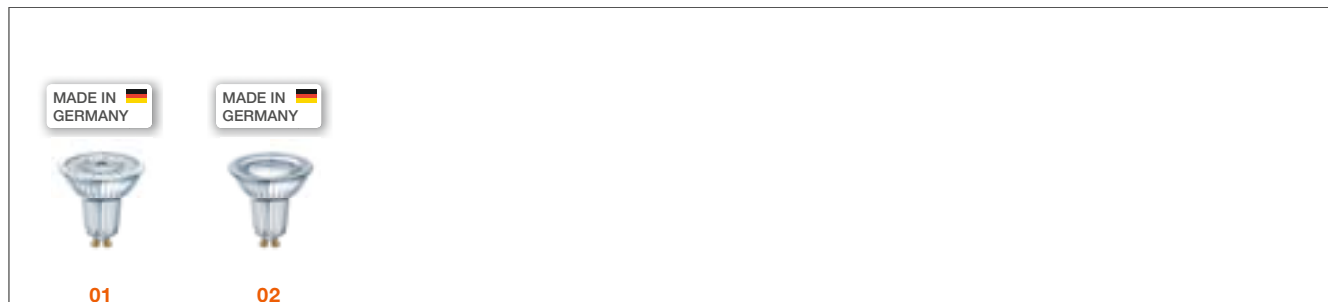
An overview of our portfolio:

														
	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	 ¹	 ¹	 ³		
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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

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

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85748 Garching / Munich
Germany

LEDVANCE Tools

With our mobile apps and online tools, you can calculate the potential savings of your next LED project in no time at all, find the right lamp or luminaire and browse through the latest catalogs.

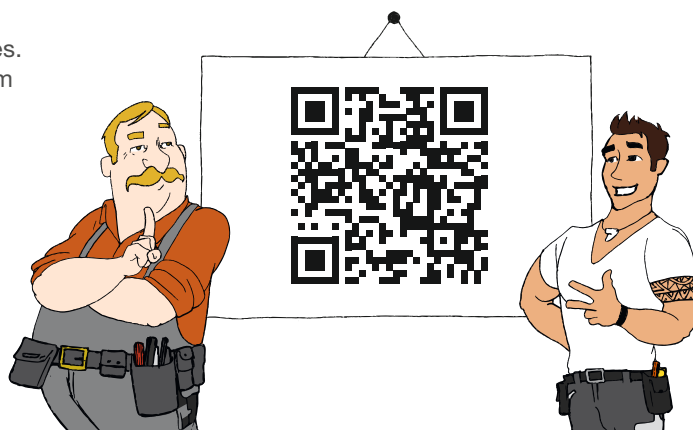
www.ledvance.com/tools



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