

LED PERFORMANCE DIM BULB GEN3

We bring innovation to light!

Product licensee of trademark
OSRAM in general lighting



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PRODUCT BENEFITS

- Low energy consumption
- Long lifespan up to 25,000 hours
- High color consistency thanks to narrow binning
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time
- Reliable quality created by over 100 years lighting brand

PRODUCT FEATURES

- Excellent dimmer compatibility
- High efficacy up to 117lm/w
- Good quality of light; color rendering index $R_a: \geq 80$; constant chromaticity
- High color consistency: < 6 SDCM
- Mercury-free lamps
- UV and IR radiation free

AREAS OF APPLICATION

- Indoor applications
- General illumination
- Outdoor applications only in suitable luminaires
- Operating temperature & humidity conditions (-20°C up to $+40^{\circ}\text{C}$, at max. 95% relative humidity)

TECHNICAL DATA

Item name	Product number (EAN)	W ¹	Replacement for halogen	Im ¹	K	R _a	2	3	l [mm]	d [mm]	t [h] ³	
PCLA9W-827-E27	4058075532441	9.0	60W	E27	806	2700	80	YES	220	110	60	25000
PCLA9W-827-B22D	4058075532168	9.0	60W	B22d	806	2700	80	YES	220	108	60	25000
PCLA9W-865-E27	4058075532144	9.0	60W	E27	806	6500	80	YES	220	110	60	25000
PCLA10.5W-827-E27	4058075532427	10.5	75W	E27	1055	2700	80	YES	220	110	60	25000
PCLA13W-827-E27	4058075532403	13.0	100W	E27	1521	2700	80	YES	220	120	60	25000
PCLA13W-865-E27	4058075532182	13.0	100W	E27	1521	6500	80	YES	220	120	60	25000
PCLB3W-827-E14CL	4058075532205	3.0	25W	E14	250	2700	80	YES	280	102	35	25000
PCLB5.5W-827-E14CL	4058075532229	5.5	40W	E14	470	2700	80	YES	280	110	38	25000
PCLP5W-827-E27CL	4058075532267	5.0	40W	E27	470	2700	80	YES	240	74	45	25000
PCLP5W-827-E27	4058075532243	5.0	40W	E27	470	2700	80	YES	240	74	45	25000

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.L70B50 is the average operating life of the LED Lamp during which the luminous flux is greater than or equal to 70% of the initial luminous flux, for 50% of the population. The lifetime is estimated at room temperature (25deg C), free air burning, base up position and at rated voltage

4.The Tc is defined as the highest permissible temperature which may occur on the outer surface of the LED lamp (in the indicated position) under normal operating conditions and at the rated voltage/current/power or the maximum of the rated voltage/current/power range (DIN EN 62031: 2009-01)

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DIMMER COMPATIBILITY LIST

Legend				PERFORMANCE CL B 25	PERFORMANCE CLB 40	PERFORMANCE CLP40	PERFORMANCE CLA60	PERFORMANCE CLA75	PERFORMANCE CLA100				
Very good dimmability with indicated number of lamps (dimming range greater)													
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)													
Undesired dimmability													
Not relevant													
				EAN / Basic Code	EAN / Basic Code	EAN / Basic Code	EAN / Basic Code	EAN / Basic Code	EAN / Basic Code				
				4058075532205/AC28046	4058075532229/AC28047	4058075532243/AC28048 4058075532267/AC28049	4058075532441/AC24705 4058075532444/AC28043 4058075532468/AC28044	4058075532427/AC24704	4058075532403/AC24703 4058075532482/AC28045				
Brand	Dimmer Model	Voltage range	Type	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps	Dimming range 1 Lamp	Dimming range 4 Lamps
Panasonic	WEG57813K	230/50Hz	40-300W	0-99%	0-99%	0-99%	0-99%	0-99%	0-100%	0-41%	0-100%	2-98%	1-97%
Panasonic	WEG57912	230/50Hz	40-200W	0-98%	0-99%	0-99%	0-99%	0-98%	0-98%	0-97%	0-99%	0-99%	0-99%
Anam / Legrand	ASW3000H	230/50Hz	3000	4-96%	0-97%	0-99%	0-99%	0-98%	0-99%	3-86%	0-100%	0-97%	11-98%
LUMEX	LOADSMART LT1D450LS	230/50Hz	450W	0-98%	0-97%	0-99%	0-99%	0-99%	0-99%	0-72%	0-100%	0-97%	0-98%
Clipsal	32E450UDM	230/50Hz	450W	0-96%	0-96%	1-99%	1-99%	0-99%	0-99%	0-100%	0-100%	0-97%	0-98%
Clipsal	32ELEDM	230/50Hz	400W	0-97%	0-97%	0-99%	0-99%	0-26%	0-20%	0-100%	0-98%	0-98%	7-99%
TRADER	Dimpala	230/50Hz	400W	0-99%	0-99%	0-99%	0-99%	0-98%	0-98%	0-100%	0-97%	0-98%	0-99%
SAL	SDA450	230/50Hz	450W	0-99%	0-99%	0-99%	0-99%	0-99%	0-99%	3-100%	0-100%	0-96%	0-99%
HPM	CAT400T HPM	230/50Hz	400W	0-97%	0-97%	0-99%	0-99%	0-100%	0-98%	1-100%	0-92%	0-97%	0-99%
Dynalite	DMC810GL	230/50Hz	4*2200W	0-99%	0-98%	0-99%	0-98%	98-99%	98-98%	0-98%	0-100%	0-12%	0-100%
TCL-Legrand	V8051-M	230/50Hz	40-630W	0-99%	0-99%	0-99%	0-99%	0-98%	0-98%	0-100%	0-100%	0-97%	0-99%
Siemens	5UH8122-3NC01	230/50Hz	25-400W	0-99%	0-99%	0-99%	0-99%	0-99%	0-99%	0-100%	10-100%	0-98%	6-98%
Schneider-Clipsal	E8431EPD4	230/50Hz	25-350W	0-97%	1-97%	0-99%	0-99%	0-67%	0-98%	7-99%	4-100%	0-98%	0-100%
Schneider-Clipsal	FB31RD400	230/50Hz	400W	0-99%	0-99%	0-99%	0-99%	0-100%	0-98%	5-100%	0-100%	0-97%	0-95%
Shuttle	SDIM-T-LED 500W	230/50Hz	500W	0-99%	0-99%	0-99%	0-99%	0-99%	0-99%	0-98%	0-98%	0-88%	0-100%
Shuttle	SDIM-T-LED-R 500W	230/50Hz	500W	0-99%	0-99%	0-99%	0-99%	0-99%	0-99%	0-98%	0-98%	0-100%	0-100%
HPM	CAT400L	230/50Hz	250W	12-97%	11-95%	0-96%	0-96%	0-83%	0-98%	0-86%	0-93%	0-86%	0-92%
DIGINET(GERARD)	MMDM/PB	230/50Hz	400W	0-98%	0-97%	0-99%	0-99%	0-99%	0-99%	0-99%	0-100%	1-98%	0-98%
Clipsal	32E450LM	230/50Hz	450W	0-91%	0-89%	0-99%	0-99%	0-99%	0-99%	0-100%	0-100%	0-96%	0-98%
Schneider-Electric	40600 RL	230/50Hz	40-600W	0-99%	0-99%	0-99%	0-99%	0-99%	0-99%	7-100%	5-100%	6-97%	6-98%
Schneider-Electric	U201DS1600	230/50Hz	40-600VA	0-99%	0-99%	9-99%	0-96%	10-98%	0-97%	12-15%	0-94%	12-75%	0-94%
Schneider-Electric	C460	230/50Hz	400W	0-99%	0-99%	0-99%	0-99%	0-98%	0-98%	0-100%	1-99%	0-88%	0-98%
Panasonic	WMSS49	230/50Hz	40-400W	0-99%	0-99%	0-99%	0-99%	0-99%	0-99%	0-100%	0-100%	0-98%	0-100%
Lutron	GXI-3104-T-CE-WH	230/50Hz	2300W	0-99%	0-99%	0-99%	0-99%	20-99%	20-99%	12-100%	12-98%	0-100%	0-100%
Siemens	5UH8622-3NC01	230/50Hz	25-400W	0-99%	0-99%	0-100%	0-99%	0-100%	0-99%	0-100%	0-99%	0-98%	0-99%
Legrand	617030	230/50Hz	600W	0-99%	0-100%	2-100%	0-99%	0-100%	0-100%	0-100%	0-100%	0-98%	0-99%
OSRAM	Hti DALI 315	230/50Hz	35-105W	0-99%	0-99%	0-99%	0-99%	0-99%	0-99%	0-98%	0-99%	15-98%	0-100%

LAMP CONFORMITY

- IEC 62560 Self-ballasted LED-lamps for general lighting services by voltage > 50 V – Safety specifications
- IEC 62471/ GB/T20145 Photo biological safety of lamps
- EN 55015 Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61000-3-2 Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
- EN 61000-3-3 Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
- EN 61547 Equipment for general lighting purposes - EMC immunity requirements
- LED lamps can be operated with a wide variety of commercially-available dimmers; details and results of compatibility tests can be seen at <https://www.ledvance.com/services-and-tools/services/led-lamps-compatibility/dimming-conformity/index.jsp>

DISPOSAL INFORMATION

- Lamps with WEEE sign can be returned at specific collection points.
- LED lamps have to be disposed as special waste

