

PARATHOM® CL A40/60/75 adv. Product description



- True 40/60/75 Classic GLS replacement
- Dimmable
- Long lifetime
- Low energy consumption

Product Offering

Type reference	Power	CCT	Light Distribution	CRI
CL A40 adv 827 E27	7,5 W	2700K	200°	80
CL A60 adv 827 E27	12 W	2700K	200°	80
CL A75 adv 827 E27	14,5 W	2700K	200°	80

1. Key Features and Benefits

- 7,5W / 12W / 14,5W LED lamp as high-quality 40W / 60W / 75W GLS replacement
- Surround Light 200°
- E27 base
- 220-240 input voltage
- Dimmable¹
- Available in 2700K – warm white colour temperature
- Reduces energy consumption up to 80%
- 30.000 hours lifetime
- UV and NIR radiation free
- Mercury free
- Switching cycles: up to 200.000 times
- 4 years OSRAM Guarantee²

¹ See www.osram.com/dim

² See www.osram.com/guarantee

2. Common Characteristics³

Average lifetime ⁴		Switching cycles (30s on, 30s off)	Casing material	Starting time	Warm up time for 60% light	Power factor
30,000h		200,000	Metal/plastic	0 s	none	>0.9
Mercury max.	Base Type	Length	Diameter	Tc temperature max. ⁵	Lamp current	
0.0mg	E27	116mm	62mm	90°C	37/57/68 mA	

3. Characteristic Range³

Type reference	Power	Luminous flux	Correlated colour temperature	Lm/W	Colour rendering index	Weight g
CL A40 adv 827 E27	7,5	470 lm	2700K	62	80	164
CL A60 adv 827 E27	12	810 lm	2700K	67	80	235
CL A75 adv 827 E27	14,5	1055 lm	2700K	72	80	237

4. Light Distribution

Light Distribution: 200°



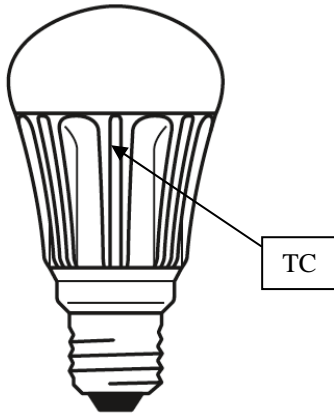
³ Typical values. All the technical parameters apply to the entire lamp. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.

⁴ The average lifetime of LED lamps is defined as the number of hours when the light output of 50% of a large group of identical lamps goes below 70% of its initial luminous flux (L70B50, IEC60969). The lifetime is estimated at room temperature (25°C), free air burning, base up burning position and at rated voltage. To achieve a full lifetime a good heat exchange for the electronic components is required.

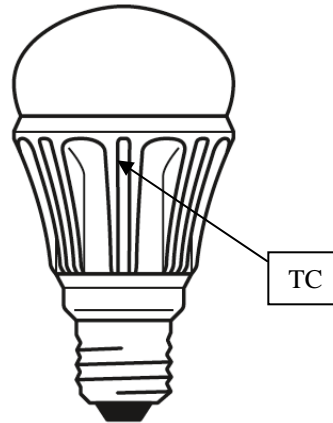
⁵ The Tc is defined as the highest permissible temperature which may occur on the outer surface of the LED lamp (in the indicated position) under normal operating conditions and at the rated voltage/current/power or the maximum of the rated voltage/current/power range (DIN EN 62031: 2009-01)

5. Mounting information

Good heat exchange supports ideal performance



CL A40 adv



CL A60 adv/ CL A75 adv

6. Disposal information

WEEE-lamps can be returned at specific collection points.

LED lamps have to be disposed as special waste.



7. Application Information

Applications

- All current household luminaires
- Hotels
- Hospitals
- Residentials
- Facilities
- Office Space

Application Notes

1. Suitable for indoor application.
2. For outdoor applications and operation in damp locations special approved fixture are required.
3. Operating temperature range between -20°C and 40°C

8. Cost savings: example

Reference product description	Similar halogen product	Watts saved	Cost saved after 1 year	Cost saved after 2 years	Cost saved after 5 years
CL A40 adv 827	40 W GLS	32,5W	27€	54€	135€
CL A60 adv 827	60 W GLS	48W	39€	80€	199€
CL A75 adv 827	75 W GLS	60,5W	50€	100€	251€

Based on the assumption of 12hours/day on and an energy cost of 0.19€/kWh

9. Ordering Guide

Type reference	Product Number – 1pcs	Product Number – 1 shipping unit	Number of pcs / ship. unit
CL A40 adv 827 E27	4052899903876	4052899903937	10
CL A60 adv 827 E27	4052899903890	4052899903951	10
CL A75 adv 827 E27	4052899903913	4052899903975	10

10. Lamp conformity

2004/108/EC Electromagnetic compatibility (EMC)

2009/125/EC Ecodesign requirements for energy related products

2011/65/EC Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH Regulation)

2002/96/EC Waste Electrical and Electronic Equipment Directive (WEEE)

EN 62471 Photobiological safety of lamps and lamp systems

IEC/TR 62471-2 Photobiological safety of lamps and lamp systems - Part 2: Guidance on manufacturing requirements relating to non-laser optical radiation safety

EN 55015 Limits and methods of measurement of radio disturbance

EN 61000-3-2 Electromagnetic compatibility – Limits for harmonic current emission

EN 61000-3-3 Electromagnetic compatibility – Limitation of voltage changes, voltage fluctuations, flicker in public low voltage supply systems

EN61547 Electromagnetic compatibility immunity requirements

2006/95/EC Electrical equipment designed for use within certain voltage limits

EN 62560 Self ballasted LED-lamps for general lighting services by voltage >50V - Safety specifications

11. Dimming behaviours A40 (Numbers of lamps tested 1/10)

Brand	Model	Power range	Voltage range	Leading or trailing	Dim Range	
					Min	Max
ABB	STD 50-3	500W	230V/ 50Hz	L*	92%	8%
Becker	2875	60~600W	230V/ 50Hz	L*	98%	10%
Becker	281902	60~400W	230V/ 50Hz	L*	92%	0%
Busch-Jaeger	2200	60-400W	230V/ 50Hz	L*	90%	0%
Busch-Jaeger	6513U-102	40~420W	230V/ 50Hz	T	94%	11%
Busch-Jaeger	6519U	40-550W	230V/ 50Hz	T	92%	13%
Busch-Jaeger	2247U	500W	230V/ 50Hz	L*	94%	5%
Clipsal	32E450TM	450W	220~240V/ 50Hz	T	92%	6%
Clipsal	CAT400T HPM	400W	230V/ 50Hz	T	82%	11%
Clipsal	31E800T	800W	220~240V/ 50Hz	T	94%	13%
CONRAD	T46	20~315W	230V/ 50Hz	T	92%	13%
ELSO	T39.01	20-500VA	230V/ 50Hz	L*	90%	5%
ELSO	T30	60~400W	230V/ 50Hz	L*	92%	0%
ELSO	ATD315(174200)	40~315W	230V/ 50Hz	T	90%	0%
Everflourish	EFM700DB	50~300W	230V/ 50Hz	L*	93%	10%
Everflourish	EF0700DC	20~300W	230V/ 50Hz	T	90%	14%
GIRA	0300 00/I01	60~400W	230V/ 50Hz	L*	92%	0%
Honyar	KT250	15~250W	220V~/50Hz	L*	90%	0%
Honyar	KT150	15~160W	220V~/50Hz	L*	92%	9%
jung	225NV DE	20-500W	230V/ 50Hz	L*	94%	7%
jung	225TDE	20~525W	230V/ 50Hz	T	95%	12%
KOPP	8033	40~400W	230V/ 50Hz	L*	96%	10%
KOPP	80,78	20~275W	230V/ 50Hz	T	95%	11%
Legrand	775903	420VA	230V/ 50Hz	T	84%	11%
Lichtregler	he T10	60-300W	230V/ 50Hz	L*	92%	8%
merten	5725-99	20-500W	230V/ 50Hz	L*	90%	0%
merten	5771-99	20~315W	230V/ 50Hz	T	92%	12%
MK	S1535	1000W	220~240V/ 50~60Hz	L*	98%	0%
OSRAM	MCU Te250	20~250W	220~240V/ 50~60Hz	T	89%	5%
Panasonic	WEG57513K	40-320W	230V/ 50Hz	L*	86%	2%
PEHA	433HAB	20-315W	230V/ 50Hz	T	81%	11%
Pera/he	he T39.01	20-500VA	230V/ 50Hz	L*	96%	5%
Schneider-Electric	40600RL	40-600W	230V~/ 50Hz	L*	90%	10%
Schneider-Electric	40300RC	20-300W	230V~/ 50Hz	T	93%	11%
Sicherung	Grundtyp H1	25-500W	230V/ 50~60Hz	L*	93%	6%
Siemens	5TC8 284	20-600W	230V/ 50Hz	T	97%	12%
T&J	V2C-M2-FWH	40~630W	230V/ 50Hz	L*	96%	0%

*Some noise possible with L-Dimmer

12. Dimming behaviours A60 (Numbers of lamps tested 1/10)

Brand	Model	Power range	Voltage range	Leading or trailing	Dim Range	
					Min	Max
ABB	STD 50-3	500W	230V/ 50Hz	L*	79%	9%
Becker	2875	60~600W	230V/ 50Hz	L*	83%	12%
Berker	281902	60~400W	230V/ 50Hz	L*	86%	0%
Busch-Jaeger	2200	60-400W	230V/ 50Hz	L*	83%	0%
Busch-Jaeger	6513U-102	40~420W	230V/ 50Hz	T	82%	12%
Busch-Jaeger	6519U	40-550W	230V/ 50Hz	T	82%	7%
Busch-Jaeger	2247U	500W	230V/ 50Hz	L*	83%	7%
Clipsal	32E450TM	450W	220~240V/ 50Hz	T	84%	33%
Clipsal	CAT400T HPM	400W	230V/ 50Hz	T	79%	12%
Clipsal	31E800T	800W	220~240V/ 50Hz	T	84%	13%
CONRAD	T46	20~315W	230V/ 50Hz	T	83%	10%
ELSO	T39.01	20-500VA	230V/ 50Hz	L*	78%	7%
ELSO	T30	60~400W	230V/ 50Hz	L*	83%	0%
ELSO	ATD315(174200)	40~315W	230V/ 50Hz	T	83%	0%
Everflourish	EFM700DB	50~300W	230V/ 50Hz	L*	68%	0%
Everflourish	EF0700DC	20~300W	230V/ 50Hz	T	82%	11%
GIRA	0300 00/I01	60~400W	230V/ 50Hz	L*	81%	0%
GIRA	0307 00/I02	60~400W	230V/ 50Hz	T	84%	7%
HE	He T10	60~300W	230V/ 50Hz	L*	68%	0%
Jung	225NV DE	20-500W	230V/ 50Hz	L*	82%	15%
Jung	225TDE	20~525W	230V/ 50Hz	T	83%	10%
KOPP	8033	40~400W	230V/ 50Hz	L*	82%	14%
KOPP	80,78	20~275W	230V/ 50Hz	T	85%	27%
Legrand	775903	420VA	230V/ 50Hz	T	79%	6%
Lichtregler	he T10	60-300W	230V/ 50Hz	L*	79%	9%
Merten	5725-99	20-500W	230V/ 50Hz	L*	84%	8%
Merten	5771-99	20~315W	230V/ 50Hz	T	82%	8%
MK	S1535	1000W	220~240V/ 50~60Hz	L*	83%	0%
OSRAM	MCU Te250	20~250W	220~240V/ 50~60Hz	T	76%	10%
PEHA	433HAB	20-315W	230V/ 50Hz	T	78%	14%
PEHA	D 80.433V	60~300W	220~240V/ 50~60Hz	L*	80%	0%
Pera/he	he T39.01	20-500VA	230V/ 50Hz	L*	96%	7%
Schneider-Electric	40600RL	40-600W	230V~/ 50Hz	L*	82%	13%
Schneider-Electric	40300RC	20-300W	230V~/ 50Hz	T	83%	10%
Sicherung	Grundtyp H1	25-500W	230V/ 50~60Hz	L*	80%	10%
Siemens	5TC8 284	20-600W	230V/ 50Hz	T	80%	13%
Tronic	51160	315W/VA	230V/ 50Hz	T	81%	16%

*Some noise possible with L-Dimmer

13. Dimming behaviours A75 (Numbers of lamps tested 1/ 10)

Brand	Model	Power range	Voltage range	Leading or trailing	Dim Range	
					Min	Max
ABB	STD 50-3	500W	230V/ 50Hz	L*	84%	13%
Berker	2875	60~600W	230V/ 50Hz	L*	93%	21%
Berker	281902	60~400W	230V/ 50Hz	L*	90%	0%
Busch-Jaeger	2200	60-400W	230V/ 50Hz	L*	88%	0%
Busch-Jaeger	6513U-102	40~420W	230V/ 50Hz	T	88%	8%
Busch-Jaeger	6519U	40-550W	230V/ 50Hz	T	89%	11%
Busch-Jaeger	2247U	500W	230V/ 50Hz	L*	88%	12%
Clipsal	32V 500 Series	500VA	250V 2A	L*	86%	0%
Clipsal	32E450TM	450W	220~240V/ 50Hz	T	90%	11%
Clipsal	CAT400T HPM	400W	230V/ 50Hz	T	84%	15%
Clipsal	31E800T	800W	220~240V/ 50Hz	T	92%	14%
CONRAD	T46	20~315W	230V/ 50Hz	T	95%	22%
ELSO	T39.01	20-500VA	230V/ 50Hz	L*	82%	10%
ELSO	T30	60~400W	230V/ 50Hz	L*	88%	12%
ELSO	ATD315(174200)	40~315W	230V/ 50Hz	T	89%	8%
Everflourish	EFM700DB	50~300W	230V/ 50Hz	L*	90%	17%
Everflourish	EF0700DC	20~300W	230V/ 50Hz	T	92%	22%
GIRA	0300 00/I01	60~400W	230V/ 50Hz	L*	90%	17%
GIRA	0307 00/I02	60~400W	230V/ 50Hz	T	88%	12%
HE	He T10	60~300W	230V/ 50Hz	L*	91%	0%
Honyar	KT250	15~250W	220V~/50Hz	L*	89%	0%
Honyar	KT150	15~160W	220V~/50Hz	L*	90%	0%
Jung	225NV DE	20-500W	230V/ 50Hz	L*	90%	12%
Jung	225TDE	20~525W	230V/ 50Hz	T	91%	14%
KOPP	8033	40~400W	230V/ 50Hz	L*	81%	11%
Legrand	775903	420VA	230V/ 50Hz	T	83%	8%
Lichtregler	STD 50-3	500W	230V/ 50Hz	L*	84%	13%
Merten	5771-99	20~315W	230V/ 50Hz	T	89%	14%
MK	S1535	1000W	220~240V/ 50~60Hz	L*	89%	0%
OSRAM	MCU Te250	20~250W	220~240V/ 50~60Hz	T	80%	15%
PEHA	433HAB	20-315W	230V/ 50Hz	T	81%	15%
PEHA	D 80.433V	60~300W	220~240V/ 50~60Hz	L*	87%	14%
PEHA	434 o.A.	60~400W	220~240V/ 50~60Hz	L*	87%	15%
Pera/he	he T39.01	20-500VA	230V/ 50Hz	L*	84%	7%
Schneider-Electric	40300RC	20-300W	230V~/ 50Hz	T	91%	21%
Sicherung	Grundtyp H1	25-500W	230V/ 50~60Hz	L*	87%	14%
Siemens	5TC8 284	20-600W	230V/ 50Hz	T	88%	9%
Tronic	51160	315W/VA	230V/ 50Hz	T	85%	21%

*Some noise possible with L-Dimmer