

# PRODUCT FAMILY DATASHEET

## LED Retrofit CLASSIC A

LED lamps, classic bulb shape



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### AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor applications only in suitable luminaires
- Perfect for decorative installations

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### PRODUCT BENEFITS

- Clear lamps with innovative LED "filament" technology
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Very low energy consumption
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Lower thermal output (compared with the standard reference product)
- Correct operation even at low temperatures

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### PRODUCT FEATURES

- Professional LED lamps for line voltage
- Not dimmable
- Mercury-free lamps
- Lifetime: up to 15,000 h



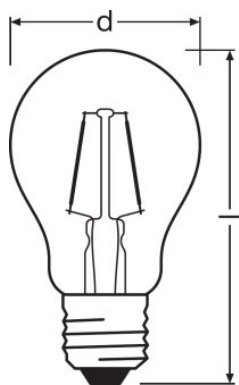
- Beam angle: up to 300°

**TECHNICAL DATA**

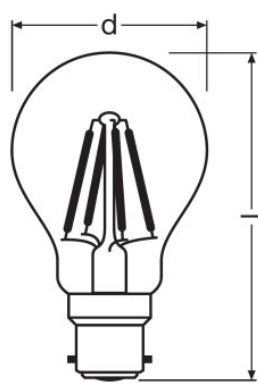
Product description	Electrical data		Photometrical data				Light technical data		Dimensions & weight	Lifespan
	Nominal wattage	Nominal voltage	Color temperature	Color rendering index Ra	Lumen main.fact.at end of nom.life time	Light color (designation)	Warm-up time (60 %)	Starting time	Overall length	Nominal lamp life time
RF CLAS A 15 1.6 W/827 E27 FIL <sup>1)</sup>	1.60 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
RF CLAS A 40 4 W/827 B22d <sup>1)</sup>	4.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	104.0 mm	15000 h
ST CLAS A 40 4 W/827 B22d <sup>1)</sup>	4.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	104.0 mm	15000 h
RF CLAS A 40 4 W/827 E27 FIL <sup>1)</sup>	4.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
RF CLAS A 40 4 W/827 E27 FR <sup>1)</sup>	4.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 40 4 W/840 E27 <sup>1)</sup>	4.00 W	220...240 V	4000 K	≥80	0.70	Cool White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 40 4 W/840 E27 <sup>1)</sup>	4.00 W	220...240 V	4000 K	≥80	0.70	Cool White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 60 6.5 W/840 E27 <sup>1)</sup>	6.50 W	220...240 V	4000 K	≥80	0.70	Cool White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 60 7 W/827 B22d <sup>1)</sup>	7.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	104.0 mm	15000 h
ST CLAS A 60 7 W/827 B22d <sup>1)</sup>	7.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	104.0 mm	15000 h
RF CLAS A 60 7.2 W/827 E27 FR <sup>1)</sup>	7.20 W	220...240 V	2700 K	≥80	0.70	Warm White	< 1.00 s	< 0.5 s	108.0 mm	15000 h
RF CLAS A 60 7 W/827 E27 <sup>1)</sup>	7.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 60 7 W/827 E27 <sup>1)</sup>	7.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 60 7 W/840 E27 <sup>1)</sup>	7.00 W	220...240 V	4000 K	≥80	0.70	Cool White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
RF CLAS A 75 8 W/827 E27 <sup>1)</sup>	8.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 75 8 W/827 E27 <sup>1)</sup>	8.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 75 8 W/840 E27 <sup>1)</sup>	8.00 W	220...240 V	4000 K	≥80	0.70	Cool White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 75 8 W/840 E27 <sup>1)</sup>	8.00 W	220...240 V	4000 K	≥80	0.70	Cool White	< 0.50 s	< 0.5 s	105.0 mm	15000 h
ST CLAS A 94 11 W/827 B22d <sup>1)</sup>	11.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	104.0 mm	10000 h
RF CLAS A 94 11 W/827 E27 <sup>1)</sup>	11.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	105.0 mm	10000 h
ST CLAS A 94 11 W/827 E27 <sup>1)</sup>	11.00 W	220...240 V	2700 K	≥80	0.70	Warm White	< 0.50 s	< 0.5 s	105.0 mm	10000 h
ST CLAS A 100 11 W/840 E27 <sup>1)</sup>	11.00 W	220...240 V	4000 K	≥80	0.70	Cool White	< 0.50 s	< 0.5 s	105.0 mm	10000 h
ST CLAS A 100 11 W/865 E27 <sup>1)</sup>	11.00 W	220...240 V	6500 K	≥80	0.70	Cool Daylight	< 0.50 s	< 0.5 s	105.0 mm	10000 h

Product description	Number of switching cycles	Additional product data		Capabilities	Certificates & standards		Country specific categorizations
		Base (standard designation)	Mercury-free	Dimmable	Energy efficiency class	Energy consumption	ILCOS
RF CLAS A 15 1.6 W/827 E27 FIL <sup>1)</sup>	100000	E27	Yes	No	A++	2 kWh/1000h	DRAA/C-1,3-827-220-240-E27-60
RF CLAS A 40 4 W/827 B22d <sup>1)</sup>	100000	B22d	Yes	No	A++	4 kWh/1000h	DRAA/C-4/827-220-240-B22D-60
ST CLAS A 40 4 W/827 B22d <sup>1)</sup>	100000	B22d	Yes	No	A++	4 kWh/1000h	DRAA/F-4/827-220/240-B22d-60
RF CLAS A 40 4 W/827 E27 FIL <sup>1)</sup>	100000	E27	Yes	No	A++	4 kWh/1000h	DRAA/C-4/827-220-240-E27-60
RF CLAS A 40 4 W/827 E27 FR <sup>1)</sup>	100000	E27	Yes	No	A++	4 kWh/1000h	DRAA/F-4/827-220-240-E27-60
ST CLAS A 40 4 W/840 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	4 kWh/1000h	DRAA/C-4-840-220-240-E27-60
ST CLAS A 40 4 W/840 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	4 kWh/1000h	DRAA/F-4-840-220-240-E27-60
ST CLAS A 60 6.5 W/840 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	7 kWh/1000h	DRAA/C-7-840-220-240-E27-60
ST CLAS A 60 7 W/827 B22d <sup>1)</sup>	100000	B22d	Yes	No	A++	7 kWh/1000h	DRAA/C-7/827-220/240-B22d-60
ST CLAS A 60 7 W/827 B22d <sup>1)</sup>	100000	B22d	Yes	No	A++	7 kWh/1000h	DRAA/F-7/827-220/240-B22d-60
RF CLAS A 60 7.2 W/827 E27 FR <sup>1)</sup>	100000	E27	Yes	No	A+	8 kWh/1000h	DRAA/F-7/827-220-240-E27-60
RF CLAS A 60 7 W/827 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	7 kWh/1000h	DRAA/C-7/827-220/240-E27-60
ST CLAS A 60 7 W/827 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	7 kWh/1000h	DRAA/F-7/827-220-240-E27-60
ST CLAS A 60 7 W/840 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	7 kWh/1000h	DRAA/F-7-840-220-240-E27-60
RF CLAS A 75 8 W/827 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	8 kWh/1000h	DRAA/C-8/827-220/240-E27-60
ST CLAS A 75 8 W/827 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	8 kWh/1000h	DRAA/F-8/827-220-240-E27-60
ST CLAS A 75 8 W/840 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	8 kWh/1000h	DRAA/C-8-840-220-240-E27-60
ST CLAS A 75 8 W/840 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	8 kWh/1000h	DRAA/F-8/840-220-240-E27-60
ST CLAS A 94 11 W/827 B22d <sup>1)</sup>	100000	B22d	Yes	No	A++	11 kWh/1000h	DRAA/F-11/827-220/240-B22d-60
RF CLAS A 94 11 W/827 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	11 kWh/1000h	DRAA/C-12/827-220/240-E27-67
ST CLAS A 94 11 W/827 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	11 kWh/1000h	DRAA/F-11/827-220/240-E27-60
ST CLAS A 100 11 W/840 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	11 kWh/1000h	DRAA/F-11-840-220-240-E27-60
ST CLAS A 100 11 W/865 E27 <sup>1)</sup>	100000	E27	Yes	No	A++	11 kWh/1000h	DRAA/F-11-865-220-240-E27-60

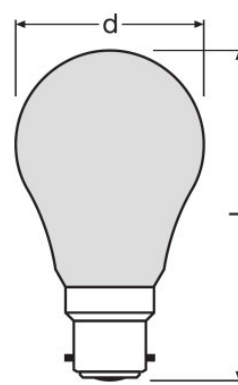
<sup>1)</sup> All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value



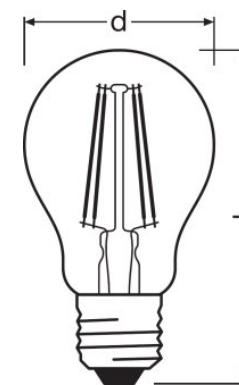
RF CLAS A 15 1.6 W/827 E27 FIL



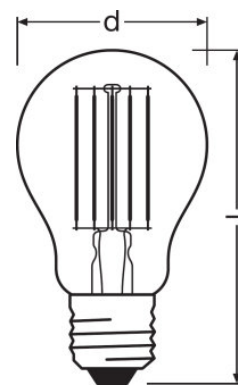
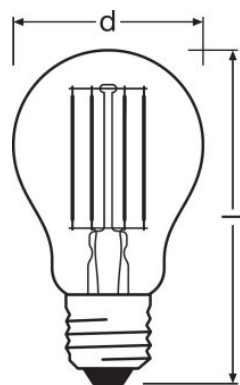
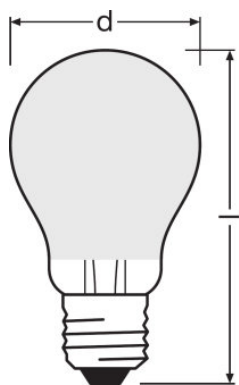
RF CLAS A 40 4 W/827 B22d, ST CLAS A 60 7 W/827 B22d



ST CLAS A 40 4 W/827 B22d, ST CLAS A 60 7 W/827 B22d, ST CLAS A 94 11 W/827 B22d



RF CLAS A 40 4 W/827 E27 FIL, ST CLAS A 40 4 W/840 E27, ST CLAS A 60 6.5 W/840 E27, RF CLAS A 60 7 W/827 E27



RF CLAS A 40 4 W/827 E27 FR, ST CLAS A 40 4 W/840 E27, RF CLAS A 60 7.2 W/827 E27 FR, ST CLAS A 60 7 W/827 E27, ST CLAS A 60 7 W/840 E27, ST CLAS A 75 8 W/827 E27, ST CLAS A 75 8 W/840 E27, ST CLAS A 94 11 W/827 E27, ST CLAS A 100 11 W/840 E27, ST CLAS A 100 11 W/865 E27

RF CLAS A 75 8 W/827 E27, ST CLAS A 75 8 W/840 E27

RF CLAS A 94 11 W/827 E27

### APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.

### LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899400283	RF CLAS A 15 1.6 W/827 E27 FIL	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	418.00 g
4052899961715	RF CLAS A 40 4 W/827 B22d	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	422.00 g

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075808577	ST CLAS A 40 4 W/827 B22d	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	417.00 g
4052899415294	RF CLAS A 40 4 W/827 E27 FIL	Shipping carton box 12	377 mm x 148 mm x 201 mm	11.21 dm <sup>3</sup>	694.00 g
4052899936393	RF CLAS A 40 4 W/827 E27 FIL	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	419.00 g
4052899936386	RF CLAS A 40 4 W/827 E27 FR	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	424.00 g
4058075817494	ST CLAS A 40 4 W/840 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	466.00 g
4058075808591	ST CLAS A 40 4 W/840 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	420.00 g
4058075808683	ST CLAS A 60 6.5 W/840 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	420.00 g
4058075808430	ST CLAS A 60 7 W/827 B22d	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	442.00 g
4058075808454	ST CLAS A 60 7 W/827 B22d	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	433.00 g
4052899941496	RF CLAS A 60 7.2 W/827 E27 FR	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	424.00 g
4052899415317	RF CLAS A 60 7 W/827 E27	Shipping carton box 12	377 mm x 148 mm x 201 mm	11.21 dm <sup>3</sup>	678.00 g
4052899951433	RF CLAS A 60 7 W/827 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	429.00 g
4058075808164	ST CLAS A 60 7 W/827 E27	Shipping carton box 12	377 mm x 148 mm x 201 mm	11.21 dm <sup>3</sup>	674.00 g
4058075808393	ST CLAS A 60 7 W/840 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	421.00 g
4058075808409	ST CLAS A 60 7 W/840 E27	Shipping carton box 12	377 mm x 148 mm x 201 mm	11.21 dm <sup>3</sup>	673.00 g
4052899961692	RF CLAS A 75 8 W/827 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	486.00 g

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075808355	ST CLAS A 75 8 W/827 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	488.00 g
4058075815735	ST CLAS A 75 8 W/827 E27	Shipping carton box 12	377 mm x 148 mm x 201 mm	11.21 dm <sup>3</sup>	788.00 g
4058075817432	ST CLAS A 75 8 W/840 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	490.00 g
4058075808386	ST CLAS A 75 8 W/840 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	494.00 g
4058075815759	ST CLAS A 75 8 W/840 E27	Shipping carton box 12	377 mm x 148 mm x 201 mm	11.21 dm <sup>3</sup>	750.00 g
4058075808508	ST CLAS A 94 11 W/827 B22d	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	493.00 g
4052899961678	RF CLAS A 94 11 W/827 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	490.00 g
4058075808492	ST CLAS A 94 11 W/827 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	480.00 g
4058075808218	ST CLAS A 100 11 W/840 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	466.00 g
4058075814837	ST CLAS A 100 11 W/865 E27	Shipping carton box 6	381 mm x 153 mm x 136 mm	7.93 dm <sup>3</sup>	493.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

#### DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.