

# PRODUCT FAMILY DATASHEET

## LED Retrofit CLASSIC A

LED lamps, classic bulb shape



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### AREAS OF APPLICATION

- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)
- Perfect for decorative installations

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### PRODUCT BENEFITS

- 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				
	Nominal wattage	Nominal voltage	Max. lamp no. on circuit break. 10 A (B)	Max. lamp no. on circuit break. 16 A (B)	Lumen main.fact.at end of nom.life time	Light color (designation)	Color temperature	Luminous flux	Color rendering index Ra
ST CLAS A 15 CL 1.5 W/2700K E27 <sup>1)</sup>	1.50 W	220...240 V	160	260	0.70	Warm White	2700 K	136 lm	≥80
ST CLAS A 15 FR 1.5 W/2700K E27 <sup>1)</sup>	1.50 W	220...240 V	416	666	0.70	Warm White	2700 K	136 lm	≥80
ST CLAS A 25 2.5 W/2700K E27 <sup>1)</sup>	2.50 W	220...240 V	263	421	0.70	Warm White	2700 K	250 lm	≥80
ST CLAS A 25 FR 2.5 W/2700K E27 <sup>1)</sup>	2.50 W	220...240 V	263	421	0.70	Warm White	2700 K	250 lm	≥80
RF CLAS A 40 CL 4 W/2700K B22d <sup>1)</sup>	4.00 W	220...240 V	156	250	0.70	Warm White	2700 K	470 lm	≥80
ST CLAS A 40 4 W/2700K B22d <sup>1)</sup>	4.00 W	220...240 V	156	250	0.70	Warm White	2700 K	470 lm	≥80
RF CLAS A 40 CL 4 W/2700K E27 FIL <sup>1)</sup>	4.00 W	220...240 V	156	250	0.70	Warm White	2700 K	470 lm	≥80
ST CLAS A 40 4.5 W/6500K E27 <sup>1)</sup>	4.50 W	220...240 V	156	250	0.70	Cool Daylight	6500 K	470 lm	≥80
RF CLAS A 40 FR 4 W/2700K E27 <sup>1)</sup>	4.00 W	220...240 V	510	817	0.70	Warm White	2700 K	470 lm	≥80
ST CLAS A 40 4 W/2700K E27 <sup>1)</sup>	4.00 W	220...240 V	156	250	0.70	Warm White	2700 K	470 lm	≥80
ST CLAS A 40 4 W/4000K E27 <sup>1)</sup>	4.00 W	220...240 V	156	250	0.70	Cool White	4000 K	470 lm	≥80
ST CLAS A 40 4 W/4000K E27 <sup>1)</sup>	4.00 W	220...240 V	156	250	0.70	Cool White	4000 K	470 lm	≥80
ST CLAS A 40 4.5 W/6500K E27 <sup>1)</sup>	4.50 W	220...240 V	156	250	0.70	Cool Daylight	6500 K	470 lm	≥80
LED STAR CLAS A 60 6.5 W/4000K E27 <sup>1)</sup>	6.50 W	220...240 V	96	154	0.70	Cool White	4000 K	806 lm	≥80
LED STAR CLAS A 60 7 W/6500K E27 <sup>1)</sup>	7.00 W	220...240 V	96	154	0.70	Cool Daylight	6500 K	806 lm	≥80
LED STAR CLAS A 60 7 W/2700K B22d <sup>1)</sup>	7.00 W	220...240 V	96	154	0.70	Warm White	2700 K	806 lm	≥80
LED STAR CLAS A 60 FR 7 W/2700K B22d <sup>1)</sup>	7.00 W	220...240 V	96	154	0.70	Warm White	2700 K	806 lm	≥80
LED STAR CLAS A 60 CL 7 W/2700K E27 FIL <sup>1)</sup>	7.00 W	220...240 V	96	154	0.70	Warm White	2700 K	806 lm	≥80
LED STAR CLAS A 60 7 W/6500K E27 <sup>1)</sup>	7.00 W	220...240 V	96	154	0.70	Cool Daylight	6500 K	806 lm	≥80
LED STAR CLAS A 60 FR 7 W/2700K E27 <sup>1)</sup>	7.00 W	220...240 V	96	154	0.70	Warm White	2700 K	806 lm	≥80

Product description	Electrical data				Photometrical data				
	Nominal wattage	Nominal voltage	Max. lamp no. on circuit break. 10 A (B)	Max. lamp no. on circuit break. 16 A (B)	Lumen main.fact.at end of nom.life time	Light color (designation)	Color temperature	Luminous flux	Color rendering index Ra
LED STAR CLAS A 60 6.5 W/4000K E27 <sup>1)</sup>	6.50 W	220...240 V	96	154	0.70	Cool White	4000 K	806 lm	≥80
LED STAR CLAS A 60 FR 7 W/4000K E27 <sup>1)</sup>	7.00 W	220...240 V	96	154	0.70	Cool White	4000 K	806 lm	≥80
LED STAR CLAS A 75 7.5 W/2700K E27 <sup>1)</sup>	7.50 W	220...240 V	287	460	0.70	Warm White	2700 K	1055 lm	≥80
LED STAR CLAS A 75 7.5 W/2700K E27 <sup>1)</sup>	7.50 W	220...240 V	81	131	0.70	Warm White	2700 K	1055 lm	≥80
LED STAR CLAS A 75 7.5 W/4000K E27 <sup>1)</sup>	7.50 W	220...240 V	30	45	0.70	Cool White	4000 K	1055 lm	≥80
LED STAR CLAS A 75 7.5 W/4000K E27 <sup>1)</sup>	7.50 W	220...240 V	287	460	0.70	Cool White	4000 K	1055 lm	≥80
LED STAR CLAS A 60 8.5 W/6500K E27 <sup>1)</sup>	8.50 W	220...240 V	109	175	0.70	Cool Daylight	6500 K	806 lm	≥80
LED STAR CLAS A 60 8.5 W/6500K E27 <sup>1)</sup>	8.50 W	220...240 V	109	175	0.70	Cool Daylight	6500 K	806 lm	≥80
LED STAR CLAS A 100 10 W/2700K E27 <sup>1)</sup>	10.00 W	220...240 V	45	72	0.70	Warm White	2700 K	1521 lm	≥80
LED STAR CLAS A 100 10 W/4000K E27 <sup>1)</sup>	10.00 W	220...240 V	45	72	0.70	Cool White	4000 K	1521 lm	≥80
LED STAR CLAS A 100 10 W/6500K E27 <sup>1)</sup>	10.00 W	220...240 V	45	72	0.70	Cool Daylight	6500 K	1521 lm	≥80
LED STAR CLAS A 100 11 W/2700K B22d <sup>1)</sup>	11.00 W	220...240 V	58	94	0.70	Warm White	2700 K	1521 lm	≥80
LED STAR CLAS A 100 10 W/4000K E27 <sup>1)</sup>	10.00 W	220...240 V	45	72	0.70	Cool White	4000 K	1521 lm	≥80
LED STAR CLAS A 100 10 W/6500K E27 <sup>1)</sup>	10.00 W	220...240 V	45	72	0.70	Cool Daylight	6500 K	1521 lm	≥80
LED STAR CLAS A 100 CL 11 W/2700K E27 <sup>1)</sup>	11.00 W	220...240 V	25	40	0.70	Warm White	2700 K	1521 lm	≥80
LED STAR CLAS A 100 11 W/2700K E27 <sup>1)</sup>	11.00 W	220...240 V	25	40	0.70	Warm White	2700 K	1521 lm	≥80

Product description	Electrical data				Photometrical data				
	Nominal wattage	Nominal voltage	Max. lamp no. on circuit break. 10 A (B)	Max. lamp no. on circuit break. 16 A (B)	Lumen main.fact.at end of nom.life time	Light color (designation)	Color temperature	Luminous flux	Color rendering index Ra
LED STAR CLAS A 100 11 W/4000K E27 <sup>1)</sup>	11.00 W	220...240 V	25	40	0.70	Cool White	4000 K	1521 lm	≥80
LED STAR CLAS A 100 11 W/4000K E27 <sup>1)</sup>	11.00 W	220...240 V	25	40	0.70	Cool White	4000 K	1521 lm	≥80
LED STAR CLAS A 100 11 W/6500K E27 <sup>1)</sup>	11.00 W	220...240 V	25	40	0.70	Cool Daylight	6500 K	1521 lm	≥80
ST CLAS A 150 FR 15 W/2700K E27 <sup>1)</sup>	15.00 W	220...240 V	30	50	0.70	Warm White	2700 K	2500 lm	≥80
ST CLAS A 150 15 W/4000K E27 <sup>1)</sup>	15.00 W	220...240 V	30	50	0.70	Cool White	4000 K	2500 lm	≥80

Product description	Light technical data		Dimensions & weight	Temperatures & operating conditions	Lifespan		Additional product data	
	Warm-up time (60 %)	Starting time	Overall length	Ambient temperature range	Nominal lamp life time	Number of switching cycles	Base (standard designation)	Mercury-free
ST CLAS A 15 CL 1.5 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
ST CLAS A 15 FR 1.5 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
ST CLAS A 25 2.5 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
ST CLAS A 25 FR 2.5 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
RF CLAS A 40 CL 4 W/2700K B22d <sup>1)</sup>	< 0.50 s	< 0.5 s	104.0 mm	-20...+40 °C	15000 h	100000	B22d	Yes
ST CLAS A 40 4 W/2700K B22d <sup>1)</sup>	< 0.50 s	< 0.5 s	104.0 mm	-20...+40 °C	15000 h	100000	B22d	Yes
RF CLAS A 40 CL 4 W/2700K E27 FIL <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
ST CLAS A 40 4.5 W/6500K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	104.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
RF CLAS A 40 FR 4 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
ST CLAS A 40 4 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
ST CLAS A 40 4 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
ST CLAS A 40 4 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
ST CLAS A 40 4.5 W/6500K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	104.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 60 6.5 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes

Product description	Light technical data		Dimensions & weight	Temperatures & operating conditions	Lifespan		Additional product data	
	Warm-up time (60 %)	Starting time	Overall length	Ambient temperature range	Nominal lamp life time	Number of switching cycles	Base (standard designation)	Mercury-free
LED STAR CLAS A 60 7 W/6500K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	104.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 60 7 W/2700K B22d <sup>1)</sup>	< 0.50 s	< 0.5 s	104.0 mm	-20...+40 °C	15000 h	100000	B22d	Yes
LED STAR CLAS A 60 FR 7 W/2700K B22d <sup>1)</sup>	< 0.50 s	< 0.5 s	104.0 mm	-20...+40 °C	15000 h	100000	B22d	Yes
LED STAR CLAS A 60 CL 7 W/2700K E27 FIL <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 60 7 W/6500K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	104.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 60 FR 7 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 60 6.5 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 60 FR 7 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 75 7.5 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 75 7.5 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 75 7.5 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 75 7.5 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 60 8.5 W/6500K E27 <sup>1)</sup>	< 1.00 s	< 0.5 s	113.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 60 8.5 W/6500K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	110.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 100 10 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 100 10 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes

Product description	Light technical data		Dimensions & weight	Temperatures & operating conditions	Lifespan		Additional product data	
	Warm-up time (60 %)	Starting time	Overall length	Ambient temperature range	Nominal lamp life time	Number of switching cycles	Base (standard designation)	Mercury-free
LED STAR CLAS A 100 10 W/6500K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 100 11 W/2700K B22d <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	10000 h	100000	B22d	Yes
LED STAR CLAS A 100 10 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 100 10 W/6500K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	104.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
LED STAR CLAS A 100 CL 11 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	10000 h	100000	E27	Yes
LED STAR CLAS A 100 11 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	10000 h	100000	E27	Yes
LED STAR CLAS A 100 11 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	10000 h	100000	E27	Yes
LED STAR CLAS A 100 11 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	10000 h	100000	E27	Yes
LED STAR CLAS A 100 11 W/6500K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	105.0 mm	-20...+40 °C	10000 h	100000	E27	Yes
ST CLAS A 150 FR 15 W/2700K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	126.0 mm	-20...+40 °C	15000 h	100000	E27	Yes
ST CLAS A 150 15 W/4000K E27 <sup>1)</sup>	< 0.50 s	< 0.5 s	126.0 mm	-20...+40 °C	15000 h	100000	E27	Yes

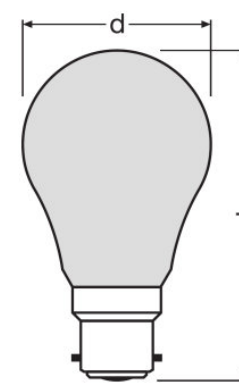
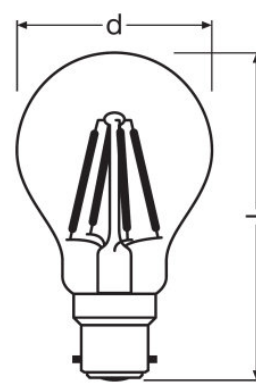
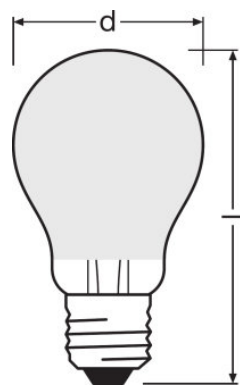
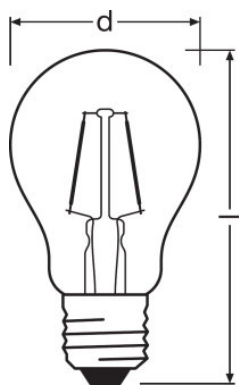
Product description	Capabilities	Certificates & standards		Country-specific categorizations
	Dimmable	Energy efficiency class	Energy consumption	ILCOS
ST CLAS A 15 CL 1.5 W/2700K E27 <sup>1)</sup>	No	A++	2 kWh/1000h	DRAA/C-1,3-827-220-240-E27-60
ST CLAS A 15 FR 1.5 W/2700K E27 <sup>1)</sup>	No	A++	2 kWh/1000h	
ST CLAS A 25 2.5 W/2700K E27 <sup>1)</sup>	No	A++	3 kWh/1000h	
ST CLAS A 25 FR 2.5 W/2700K E27 <sup>1)</sup>	No	A++	3 kWh/1000h	
RF CLAS A 40 CL 4 W/2700K B22d <sup>1)</sup>	No	A++	4 kWh/1000h	DRAA/C-4/827-220-240-B22D-60
ST CLAS A 40 4 W/2700K B22d <sup>1)</sup>	No	A++	4 kWh/1000h	DRAA/F-4/827-220/240-B22d-60

Product description	Capabilities	Certificates & standards		Country-specific categorizations
	Dimmable	Energy efficiency class	Energy consumption	ILCOS
RF CLAS A 40 CL 4 W/2700K E27 FIL <sup>1)</sup>	No	A++	4 kWh/1000h	DRAA/C-4/827-220-240-E27-60
ST CLAS A 40 4.5 W/6500K E27 <sup>1)</sup>	No	A++	4 kWh/1000h	
RF CLAS A 40 FR 4 W/2700K E27 <sup>1)</sup>	No	A++	4 kWh/1000h	DRAA/F-4/827-220-240-E27-60
ST CLAS A 40 4 W/2700K E27 <sup>1)</sup>	No	A++	4 kWh/1000h	
ST CLAS A 40 4 W/4000K E27 <sup>1)</sup>	No	A++	4 kWh/1000h	DRAA/C-4-840-220-240-E27-60
ST CLAS A 40 4 W/4000K E27 <sup>1)</sup>	No	A++	4 kWh/1000h	DRAA/F-4-840-220-240-E27-60
ST CLAS A 40 4.5 W/6500K E27 <sup>1)</sup>	No	A++	4 kWh/1000h	
LED STAR CLAS A 60 6.5 W/4000K E27 <sup>1)</sup>	No	A++	7 kWh/1000h	DRAA/C-7-840-220-240-E27-60
LED STAR CLAS A 60 7 W/6500K E27 <sup>1)</sup>	No	A++	7 kWh/1000h	
LED STAR CLAS A 60 7 W/2700K B22d <sup>1)</sup>	No	A++	7 kWh/1000h	DRAA/C-7/827-220/240-B22d-60
LED STAR CLAS A 60 FR 7 W/2700K B22d <sup>1)</sup>	No	A++	7 kWh/1000h	DRAA/F-7/827-220/240-B22d-60
LED STAR CLAS A 60 CL 7 W/2700K E27 FIL <sup>1)</sup>	No	A++	7 kWh/1000h	DRAA/C-7/827-220/240-E27-60
LED STAR CLAS A 60 7 W/6500K E27 <sup>1)</sup>	No	A++	7 kWh/1000h	
LED STAR CLAS A 60 FR 7 W/2700K E27 <sup>1)</sup>	No	A++	7 kWh/1000h	DRAA/F-7/827-220-240-E27-60
LED STAR CLAS A 60 6.5 W/4000K E27 <sup>1)</sup>	No	A++	7 kWh/1000h	DRAA/C-7-840-220-240-E27-60
LED STAR CLAS A 60 FR 7 W/4000K E27 <sup>1)</sup>	No	A++	7 kWh/1000h	DRAA/F-7-840-220-240-E27-60
LED STAR CLAS A 75 7.5 W/2700K E27 <sup>1)</sup>	No	A++	8 kWh/1000h	DRAA/F-8/827-220-240-E27-60
LED STAR CLAS A 75 7.5 W/2700K E27 <sup>1)</sup>	No	A++	8 kWh/1000h	
LED STAR CLAS A 75 7.5 W/4000K E27 <sup>1)</sup>	No	A++	8 kWh/1000h	DRAA/C-8-840-220-240-E27-60
LED STAR CLAS A 75 7.5 W/4000K E27 <sup>1)</sup>	No	A++	8 kWh/1000h	DRAA/F-8/840-220-240-E27-60

Product description	Capabilities	Certificates & standards		Country-specific categorizations
	Dimmable	Energy efficiency class	Energy consumption	ILCOS
LED STAR CLAS A 60 8.5 W/6500K E27 <sup>1)</sup>	No	A+	9 kWh/1000h	
LED STAR CLAS A 60 8.5 W/6500K E27 <sup>1)</sup>	No	A+	9 kWh/1000h	
LED STAR CLAS A 100 10 W/2700K E27 <sup>1)</sup>	No	A++	10 kWh/1000h	
LED STAR CLAS A 100 10 W/4000K E27 <sup>1)</sup>	No	A++	10 kWh/1000h	
LED STAR CLAS A 100 10 W/6500K E27 <sup>1)</sup>	No	A++	10 kWh/1000h	
LED STAR CLAS A 100 11 W/2700K B22d <sup>1)</sup>	No	A++	11 kWh/1000h	DRAA/F-11/827-220/240-B22d-60
LED STAR CLAS A 100 10 W/4000K E27 <sup>1)</sup>	No	A++	10 kWh/1000h	
LED STAR CLAS A 100 10 W/6500K E27 <sup>1)</sup>	No	A++	10 kWh/1000h	
LED STAR CLAS A 100 CL 11 W/2700K E27 <sup>1)</sup>	No	A++	11 kWh/1000h	DRAA/C-12/827-220/240-E27-67
LED STAR CLAS A 100 11 W/2700K E27 <sup>1)</sup>	No	A++	11 kWh/1000h	DRAA/F-11/827-220/240-E27-60
LED STAR CLAS A 100 11 W/4000K E27 <sup>1)</sup>	No	A++	11 kWh/1000h	DRAA/F-11-840-220-240-E27-60
LED STAR CLAS A 100 11 W/4000K E27 <sup>1)</sup>	No	A++	11 kWh/1000h	
LED STAR CLAS A 100 11 W/6500K E27 <sup>1)</sup>	No	A++	11 kWh/1000h	DRAA/F-11-865-220-240-E27-60
ST CLAS A 150 FR 15 W/2700K E27 <sup>1)</sup>	No	A++	16 kWh/1000h	
ST CLAS A 150 15 W/4000K E27 <sup>1)</sup>	No	A++	16 kWh/1000h	

<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



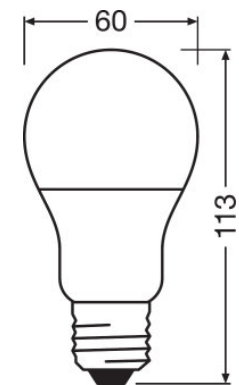
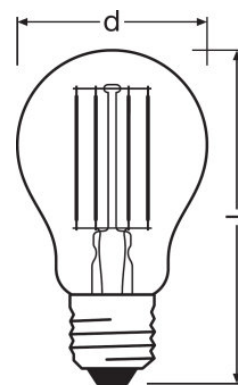
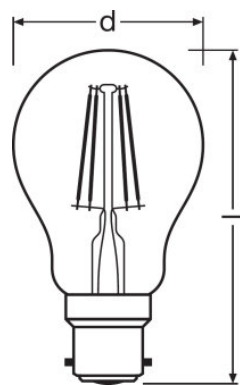
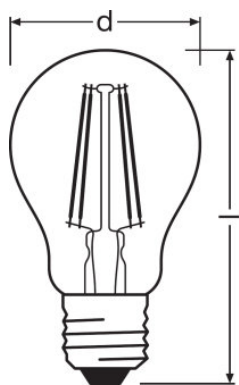


ST CLAS A 15 CL 1.5 W/2700K E27, ST CLAS A 25 2.5 W/2700K E27

ST CLAS A 15 FR 1.5 W/2700K E27, ST CLAS A 25 FR 2.5 W/2700K E27, RF CLAS A 40 FR 4 W/2700K E27, ST CLAS A 40 4 W/2700K E27, ST CLAS A 40 4.5 W/4000K E27, ST CLAS A 40 4.5 W/6500K E27, LED STAR CLAS A 60 7 W/6500K E27, LED STAR CLAS A 60 FR 7 W/2700K E27, LED STAR CLAS A 60 FR 7 W/4000K E27, LED STAR CLAS A 75 7.5 W/2700K E27, LED STAR CLAS A 75 7.5 W/4000K E27, LED STAR CLAS A 100 10 W/2700K E27, LED STAR CLAS A 100 10 W/4000K E27, LED STAR CLAS A 100 10 W/6500K E27, LED STAR CLAS A 100 11 W/2700K E27, LED STAR CLAS A 100 11 W/4000K E27, LED STAR CLAS A 100 11 W/6500K E27

RF CLAS A 40 CL 4 W/2700K B22d

ST CLAS A 40 4 W/2700K B22d, LED STAR CLAS A 60 FR 7 W/2700K B22d, LED STAR CLAS A 100 11 W/2700K B22d

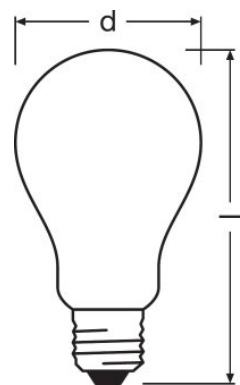
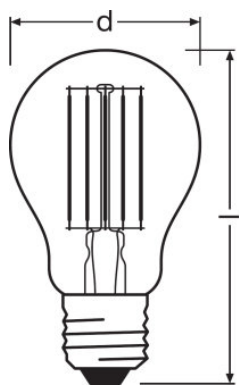


RF CLAS A 40 CL 4 W/2700K E27 FIL, ST CLAS A 40 4.5 W/6500K E27, ST CLAS A 40 4 W/2700K E27, ST CLAS A 40 4 W/4000K E27, LED STAR CLAS A 60 6.5 W/4000K E27, LED STAR CLAS A 60 7 W/6500K E27, LED STAR CLAS A 60 CL 7 W/2700K E27 FIL, LED STAR CLAS A 60 6.5 W/4000K E27

LED STAR CLAS A 60 7 W/2700K B22d

LED STAR CLAS A 75 7.5 W/2700K E27, LED STAR CLAS A 75 7.5 W/4000K E27

LED STAR CLAS A 60 8.5 W/6500K E27, LED STAR CLAS A 60 8.5 W/6500K E27



LED STAR CLAS A 100 10 W/4000K E27,  
LED STAR CLAS A 100 10 W/6500K E27,  
LED STAR CLAS A 100 CL 11 W/2700K  
E27, LED STAR CLAS A 100 11 W/4000K  
E27

ST CLAS A 150 FR 15 W/2700K E27, ST  
CLAS A 150 15 W/4000K E27

**APPLICATION ADVICE**

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

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899400290	Shipping carton box 6	381 mm x 153 mm x 136 mm	430.00 g	7.93 dm <sup>3</sup>
4058075461444	Shipping carton box 10	322 mm x 134 mm x 120 mm	585.00 g	5.18 dm <sup>3</sup>
4058075114159	Shipping carton box 6	381 mm x 153 mm x 136 mm	414.00 g	7.93 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075434073	Shipping carton box 10	322 mm x 134 mm x 120 mm	575.00 g	5.18 dm <sup>3</sup>
4058075107472	Shipping carton box 6	381 mm x 153 mm x 136 mm	460.00 g	7.93 dm <sup>3</sup>
4058075434172	Shipping carton box 10	322 mm x 134 mm x 120 mm	575.00 g	5.18 dm <sup>3</sup>
4058075107496	Shipping carton box 6	381 mm x 153 mm x 136 mm	442.00 g	7.93 dm <sup>3</sup>
4058075447004	Shipping carton box 10	322 mm x 134 mm x 120 mm	575.00 g	5.18 dm <sup>3</sup>
4052899962200	Shipping carton box 6	381 mm x 153 mm x 136 mm	474.00 g	7.93 dm <sup>3</sup>
4058075114869	Shipping carton box 10	322 mm x 134 mm x 120 mm	531.00 g	5.18 dm <sup>3</sup>
4058075245686	Shipping carton box 10	322 mm x 134 mm x 120 mm	528.00 g	5.18 dm <sup>3</sup>
4058075114906	Shipping carton box 10	322 mm x 134 mm x 120 mm	539.00 g	5.18 dm <sup>3</sup>
4058075810006	Shipping carton box 6	381 mm x 153 mm x 136 mm	417.00 g	7.93 dm <sup>3</sup>
4052899415300	Shipping carton box 12	377 mm x 148 mm x 201 mm	694.00 g	11.21 dm <sup>3</sup>
4052899936461	Shipping carton box 6	381 mm x 153 mm x 136 mm	428.00 g	7.93 dm <sup>3</sup>
4058075466029	Shipping carton box 10	322 mm x 134 mm x 120 mm	590.00 g	5.18 dm <sup>3</sup>
4052899936454	Shipping carton box 6	381 mm x 153 mm x 136 mm	442.00 g	7.93 dm <sup>3</sup>
4058075112476	Shipping carton box 10	322 mm x 134 mm x 120 mm	542.00 g	5.18 dm <sup>3</sup>
4058075112223	Shipping carton box 10	322 mm x 134 mm x 120 mm	583.00 g	5.18 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075330221	Shipping carton box 10	324 mm x 128 mm x 121 mm	596.00 g	5.02 dm <sup>3</sup>
4058075817500	Shipping carton box 6	381 mm x 153 mm x 136 mm	414.00 g	7.93 dm <sup>3</sup>
4058075810020	Shipping carton box 6	381 mm x 153 mm x 136 mm	436.00 g	7.93 dm <sup>3</sup>
4058075466081	Shipping carton box 10	322 mm x 134 mm x 120 mm	590.00 g	5.18 dm <sup>3</sup>
4058075112315	Shipping carton box 10	322 mm x 134 mm x 120 mm	558.00 g	5.18 dm <sup>3</sup>
4058075466043	Shipping carton box 10	322 mm x 134 mm x 120 mm	590.00 g	5.18 dm <sup>3</sup>
4058075114883	Shipping carton box 10	322 mm x 134 mm x 120 mm	558.00 g	5.18 dm <sup>3</sup>
4058075115187	Shipping carton box 12	377 mm x 148 mm x 201 mm	711.00 g	11.21 dm <sup>3</sup>
4058075809864	Shipping carton box 6	381 mm x 153 mm x 136 mm	442.00 g	7.93 dm <sup>3</sup>
4058075114920	Shipping carton box 10	322 mm x 134 mm x 120 mm	549.00 g	5.18 dm <sup>3</sup>
4058075115163	Shipping carton box 12	377 mm x 148 mm x 201 mm	686.00 g	11.21 dm <sup>3</sup>
4058075435414	Shipping carton box 10	322 mm x 134 mm x 1 mm	510.00 g	0.04 dm <sup>3</sup>
4058075809888	Shipping carton box 6	381 mm x 153 mm x 136 mm	431.00 g	7.93 dm <sup>3</sup>
4052899415324	Shipping carton box 12	377 mm x 148 mm x 201 mm	720.00 g	11.21 dm <sup>3</sup>
4052899951440	Shipping carton box 6	381 mm x 153 mm x 136 mm	440.00 g	7.93 dm <sup>3</sup>
4058075112278	Shipping carton box 10	322 mm x 134 mm x 120 mm	551.00 g	5.18 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075330207	Shipping carton box 10	324 mm x 128 mm x 121 mm	566.00 g	5.02 dm <sup>3</sup>
4058075466104	Shipping carton box 10	322 mm x 134 mm x 120 mm	590.00 g	5.18 dm <sup>3</sup>
4052899941502	Shipping carton box 6	381 mm x 153 mm x 136 mm	424.00 g	7.93 dm <sup>3</sup>
4058075112513	Shipping carton box 10	322 mm x 134 mm x 120 mm	498.00 g	5.18 dm <sup>3</sup>
4058075132849	Shipping carton box 10	324 mm x 128 mm x 121 mm	586.00 g	5.02 dm <sup>3</sup>
4058075809598	Shipping carton box 12	377 mm x 148 mm x 201 mm	674.00 g	11.21 dm <sup>3</sup>
4058075810112	Shipping carton box 6	381 mm x 153 mm x 136 mm	402.00 g	7.93 dm <sup>3</sup>
4058075115903	Shipping carton box 10	322 mm x 134 mm x 120 mm	559.00 g	5.18 dm <sup>3</sup>
4058075435391	Shipping carton box 10	322 mm x 134 mm x 120 mm	510.00 g	5.18 dm <sup>3</sup>
4058075809826	Shipping carton box 6	381 mm x 153 mm x 136 mm	421.00 g	7.93 dm <sup>3</sup>
4058075809833	Shipping carton box 12	377 mm x 148 mm x 201 mm	726.00 g	11.21 dm <sup>3</sup>
4058075115927	Shipping carton box 10	322 mm x 134 mm x 130 mm	576.00 g	5.61 dm <sup>3</sup>
4058075289642	Shipping carton box 10	324 mm x 128 mm x 121 mm	616.00 g	5.02 dm <sup>3</sup>
4058075809789	Shipping carton box 6	381 mm x 153 mm x 136 mm	432.00 g	7.93 dm <sup>3</sup>
4058075815742	Shipping carton box 12	377 mm x 148 mm x 201 mm	732.00 g	11.21 dm <sup>3</sup>
4052899962187	Shipping carton box 6	381 mm x 153 mm x 136 mm	463.00 g	7.93 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075112377	Shipping carton box 10	322 mm x 134 mm x 120 mm	548.00 g	5.18 dm <sup>3</sup>
4058075112452	Shipping carton box 10	322 mm x 134 mm x 120 mm	548.00 g	5.18 dm <sup>3</sup>
4058075817449	Shipping carton box 6	381 mm x 153 mm x 136 mm	432.00 g	7.93 dm <sup>3</sup>
4058075115941	Shipping carton box 10	322 mm x 134 mm x 120 mm	548.00 g	5.18 dm <sup>3</sup>
4058075435315	Shipping carton box 10	322 mm x 134 mm x 120 mm	560.00 g	5.18 dm <sup>3</sup>
4058075809819	Shipping carton box 6	381 mm x 153 mm x 136 mm	432.00 g	7.93 dm <sup>3</sup>
4058075815766	Shipping carton box 12	377 mm x 148 mm x 201 mm	678.00 g	11.21 dm <sup>3</sup>
4058075428577	Shipping carton box 10	322 mm x 134 mm x 120 mm	570.00 g	5.18 dm <sup>3</sup>
4058075168824	Shipping carton box 6	381 mm x 153 mm x 136 mm	403.00 g	7.93 dm <sup>3</sup>
4058075434059	Shipping carton box 10	322 mm x 134 mm x 120 mm	641.00 g	5.18 dm <sup>3</sup>
4058075434035	Shipping carton box 10	322 mm x 134 mm x 120 mm	662.00 g	5.18 dm <sup>3</sup>
4058075452336	Shipping carton box 10	322 mm x 134 mm x 120 mm	540.00 g	5.18 dm <sup>3</sup>
4058075435452	Shipping carton box 10	322 mm x 134 mm x 120 mm	675.00 g	5.18 dm <sup>3</sup>
4058075124691	Shipping carton box 10	322 mm x 134 mm x 120 mm	558.00 g	5.18 dm <sup>3</sup>
4058075809932	Shipping carton box 6	381 mm x 153 mm x 136 mm	460.00 g	7.93 dm <sup>3</sup>
4058075435292	Shipping carton box 10	322 mm x 134 mm x 120 mm	620.00 g	5.18 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075466067	Shipping carton box 10	322 mm x 134 mm x 120 mm	585.00 g	5.18 dm <sup>3</sup>
4052899962163	Shipping carton box 6	381 mm x 153 mm x 136 mm	449.00 g	7.93 dm <sup>3</sup>
4058075124264	Shipping carton box 12	377 mm x 148 mm x 201 mm	783.00 g	11.21 dm <sup>3</sup>
4058075124714	Shipping carton box 10	322 mm x 134 mm x 120 mm	558.00 g	5.18 dm <sup>3</sup>
4058075330481	Shipping carton box 10	324 mm x 128 mm x 121 mm	626.00 g	5.02 dm <sup>3</sup>
4058075124240	Shipping carton box 12	377 mm x 148 mm x 201 mm	783.00 g	11.21 dm <sup>3</sup>
4058075124677	Shipping carton box 10	322 mm x 134 mm x 120 mm	558.00 g	5.18 dm <sup>3</sup>
4058075809925	Shipping carton box 6	381 mm x 153 mm x 136 mm	468.00 g	7.93 dm <sup>3</sup>
4058075124301	Shipping carton box 12	377 mm x 148 mm x 201 mm	760.00 g	11.21 dm <sup>3</sup>
4058075124738	Shipping carton box 10	322 mm x 134 mm x 120 mm	538.00 g	5.18 dm <sup>3</sup>
4058075809642	Shipping carton box 6	381 mm x 153 mm x 136 mm	459.00 g	7.93 dm <sup>3</sup>
4058075123069	Shipping carton box 6	381 mm x 153 mm x 136 mm	438.00 g	7.93 dm <sup>3</sup>
4058075124226	Shipping carton box 12	377 mm x 148 mm x 201 mm	760.00 g	11.21 dm <sup>3</sup>
4058075124653	Shipping carton box 10	322 mm x 134 mm x 120 mm	538.00 g	5.18 dm <sup>3</sup>
4058075814844	Shipping carton box 6	381 mm x 153 mm x 136 mm	447.00 g	7.93 dm <sup>3</sup>
4058075305021	Shipping carton box 10	372 mm x 153 mm x 144 mm	872.00 g	8.20 dm <sup>3</sup>



Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075305090	Shipping carton box 6	432 mm x 153 mm x 201 mm	559.00 g	13.29 dm <sup>3</sup>
4058075305045	Shipping carton box 10	372 mm x 153 mm x 144 mm	878.00 g	8.20 dm <sup>3</sup>
4058075305113	Shipping carton box 6	432 mm x 153 mm x 201 mm	559.00 g	13.29 dm <sup>3</sup>

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.

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#### DISCLAIMER

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