

PRODUCT FAMILY DATASHEET

LED Retrofit CLASSIC A DIM

Dimmable LED lamps, classic bulb shape



AREAS OF APPLICATION

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

PRODUCT BENEFITS

- Lamps with innovative LED "filament" technology
- 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)
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp

PRODUCT FEATURES

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Mercury-free lamps
- Beam angle: up to 300°
- Lifetime: up to 15,000 h



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)	Color temperature	Lumen main.fact.at end of nom.life time	Light color (designation)	Color temperature	Luminous flux
ST CLAS A 25 2.8 W/2700K E27 ¹⁾	2.80 W	220...240 V	696	1115	2700 K	0.70	Warm White	2700 K	250 lm
SST CLAS A 25 FR 2.8 W/2700K E27 ¹⁾	2.80 W	220...240 V	696	1115	2700 K	0.70	Warm White	2700 K	250 lm
SST CLAS A 40 CL 4.5 W/2700K E27 ²⁾	4.50 W	220...240 V	460	736	2700 K	0.70	Warm White	2700 K	470 lm
SST CLAS A 40 FR 4.5 W/2700K E27 ²⁾	4.50 W	220...240 V	460	736	2700 K	0.70	Warm White	2700 K	470 lm
SST CLAS A 40 FR 4.5 W/4000K E27 ²⁾	4.50 W	220...240 V	460	736	4000 K	0.70	Cool White	4000 K	470 lm
ST CLAS A 60 FR 7 W/2700K E27 ¹⁾	7.00 W	220...240 V	306	490	2700 K	0.70	Warm White	2700 K	806 lm
ST CLAS A 60 FIL 7 W/2700K E27 ¹⁾	7.00 W	220...240 V	306	490	2700 K	0.70	Warm White	2700 K	806 lm
SST CLAS A 60 FR 7 W/4000K E27 ²⁾	7.00 W	220...240 V	306	490	4000 K	0.70	Cool White	4000 K	806 lm
SST CLAS A 60 7 W/2700K B22d ²⁾	7.00 W	220...240 V	306	490	2700 K	0.70	Warm White	2700 K	806 lm
SST CLAS A 60 7 W/2700K B22d ²⁾	7.00 W	220...240 V	306	490	2700 K	0.70	Warm White	2700 K	806 lm
SST CLAS A 60 FIL 7 W/2700K E27 ²⁾	7.00 W	220...240 V	306	490	2700 K	0.70	Warm White	2700 K	806 lm
SST CLAS A 60 7 W/2700K B22d ²⁾	7.00 W	220...240 V	306	490	2700 K	0.70	Warm White	2700 K	806 lm
SST CLAS A 75 FIL 8.5 W/2700K E27 ²⁾	8.50 W	220...240 V	270	432	2700 K	0.70	Warm White	2700 K	1055 lm
SST CLAS A 75 FR 8.5 W/2700K E27 ²⁾	8.50 W	220...240 V	270	432	2700 K	0.70	Warm White	2700 K	1055 lm
SST CLAS A 75 FR 8.5 W/2700K B22d ²⁾	8.50 W	220...240 V	270	432	2700 K	0.70	Warm White	2700 K	1055 lm
SST CLAS A 75 8.5 W/4000K E27 ²⁾	8.50 W	220...240 V	270	432	4000 K	0.70	Cool White	4000 K	1055 lm
SST CLAS A 75 CL 8.5 W/4000K E27 ²⁾	8.50 W	220...240 V	270	432	4000 K	0.70	Cool White	4000 K	1055 lm
SST CLAS A 100 12 W/2700K E27 ¹⁾	12.00 W	220...240 V	191	306	2700 K	0.70	Warm White	2700 K	1521 lm
SST CLAS A 100 12 W/2700K E27 ¹⁾	12.00 W	220...240 V	191	306	2700 K	0.70	Warm White	2700 K	1521 lm
SST CLAS A 100 12 W/4000K E27 ¹⁾	12.00 W	220...240 V	191	306	4000 K	0.70	Cool White	4000 K	1521 lm
SST CLAS A 100 12 W/2700K E27 ¹⁾	12.00 W	220...240 V	191	306	2700 K	0.70	Warm White	2700 K	1521 lm
SST CLAS A 100 12 W/2700K B22d ¹⁾	12.00 W	220...240 V	191	306	2700 K	0.70	Warm White	2700 K	1521 lm
SST CLAS A 100 12 W/2700K B22d ¹⁾	12.00 W	220...240 V	191	306	2700 K	0.70	Warm White	2700 K	1521 lm
SST CLAS A 100 12 W/2700K E27 ¹⁾	12.00 W	220...240 V	191	306	2700 K	0.70	Warm White	2700 K	1521 lm
SST CLAS A 100 12 W/4000K E27 ¹⁾	12.00 W	220...240 V			4000 K	0.70	Cool White	4000 K	1521 lm

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)	Color temperature	Lumen main.fact.at end of nom.life time	Light color (designation)	Color temperature	Luminous flux
SST CLAS A 100 12 W/4000K E27 ¹⁾	12.00 W	220...240 V			4000 K	0.70	Cool White	4000 K	1521 lm
SST CLAS A 100 12 W/4000K E27 ¹⁾	12.00 W	220...240 V	191	306	4000 K	0.70	Cool White	4000 K	1521 lm

Product description	Color rendering index Ra	Light technical data		Dimensions & weight		Temperatures & operating conditions		Lifespan		Additional product data	
		Warm-up time (60 %)	Starting time	Overall length		Maximum temperature at tc test point		Nominal lamp life time	Number of switching cycles	Base (standard designation)	Mercury-free
ST CLAS A 25 2.8 W/2700K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 25 FR 2.8 W/2700K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 40 CL 4.5 W/2700K E27 ²⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 40 FR 4.5 W/2700K E27 ²⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 40 FR 4.5 W/4000K E27 ²⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
ST CLAS A 60 FR 7 W/2700K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
ST CLAS A 60 FIL 7 W/2700K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 60 FR 7 W/4000K E27 ²⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 60 7 W/2700K B22d ²⁾	≥80	< 0.50 s	< 0.5 s	104.0 mm		50 °C		15000 h	100000	B22d	Yes
SST CLAS A 60 7 W/2700K B22d ²⁾	≥80	< 0.50 s	< 0.5 s	104.0 mm		50 °C		15000 h	100000	B22d	Yes
SST CLAS A 60 FIL 7 W/2700K E27 ²⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 60 7 W/2700K B22d ²⁾	≥80	< 0.50 s	< 0.5 s	104.0 mm		50 °C		15000 h	100000	B22d	Yes
SST CLAS A 75 FIL 8.5 W/2700K E27 ²⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 75 FR 8.5 W/2700K E27 ²⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 75 FR 8.5 W/2700K B22d ²⁾	≥80	< 0.50 s	< 0.5 s	104.0 mm		50 °C		15000 h	100000	B22d	Yes
SST CLAS A 75 8.5 W/4000K E27 ²⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes
SST CLAS A 75 CL 8.5 W/4000K E27 ²⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm		50 °C		15000 h	100000	E27	Yes

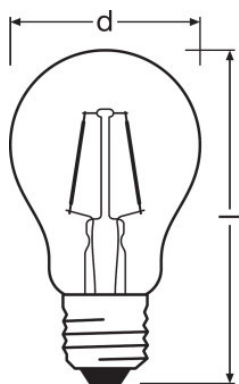
Product description	Color rendering index Ra	Light technical data		Dimensions & weight	Temperatures & operating conditions	Lifespan		Additional product data	
		Warm-up time (60 %)	Starting time	Overall length	Maximum temperature at tc test point	Nominal lamp life time	Number of switching cycles	Base (standard designation)	Mercury-free
SST CLAS A 100 12 W/2700K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	133.0 mm	55 °C	15000 h	100000	E27	Yes
SST CLAS A 100 12 W/2700K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm	55 °C	15000 h	100000	E27	Yes
SST CLAS A 100 12 W/4000K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm	55 °C	15000 h	100000	E27	Yes
SST CLAS A 100 12 W/2700K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	133.0 mm	55 °C	15000 h	100000	E27	Yes
SST CLAS A 100 12 W/2700K B22d ¹⁾	≥80	< 0.50 s	< 0.5 s	133.0 mm	55 °C	15000 h	100000	B22d	Yes
SST CLAS A 100 12 W/2700K B22d ¹⁾	≥80	< 0.50 s	< 0.5 s	111.0 mm	55 °C	15000 h	100000	B22d	Yes
SST CLAS A 100 12 W/2700K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm	55 °C	15000 h	100000	E27	Yes
SST CLAS A 100 12 W/4000K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	133.0 mm	55 °C	15000 h	100000	E27	Yes
SST CLAS A 100 12 W/4000K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	133.0 mm	55 °C	15000 h	100000	E27	Yes
SST CLAS A 100 12 W/4000K E27 ¹⁾	≥80	< 0.50 s	< 0.5 s	105.0 mm	55 °C	15000 h	100000	E27	Yes

Product description	Capabilities	Certificates & standards		Country-specific categorizations
	Dimmable	Energy efficiency class	Energy consumption	ILCOS
ST CLAS A 25 2.8 W/2700K E27 ¹⁾	Yes	A++	3 kWh/1000h	
SST CLAS A 25 FR 2.8 W/2700K E27 ¹⁾	Yes	A++	3 kWh/1000h	
SST CLAS A 40 CL 4.5 W/2700K E27 ²⁾	Yes	A++	5 kWh/1000h	DRAA/C-4,5/827-220/240-E27-60
SST CLAS A 40 FR 4.5 W/2700K E27 ²⁾	Yes	A++	5 kWh/1000h	DRAA/F-5/827-220-240-E27-60
SST CLAS A 40 FR 4.5 W/4000K E27 ²⁾	Yes	A++	5 kWh/1000h	
ST CLAS A 60 FR 7 W/2700K E27 ¹⁾	Yes	A++	7 kWh/1000h	DRAA/F-8/827-220-240-E27-60
ST CLAS A 60 FIL 7 W/2700K E27 ¹⁾	Yes	A++	7 kWh/1000h	DRAA/C-7/827-220/240-E27-60
SST CLAS A 60 FR 7 W/4000K E27 ²⁾	Yes	A++	7 kWh/1000h	DRAA/F-6,5-840-220-240-E27-60
SST CLAS A 60 7 W/2700K B22d ²⁾	Yes	A++	7 kWh/1000h	
SST CLAS A 60 7 W/2700K B22d ²⁾	Yes	A++	7 kWh/1000h	
SST CLAS A 60 FIL 7 W/2700K E27 ²⁾	Yes	A++	7 kWh/1000h	DRAA/C-7/827-220/240-E27-60
SST CLAS A 60 7 W/2700K B22d ²⁾	Yes	A++	7 kWh/1000h	

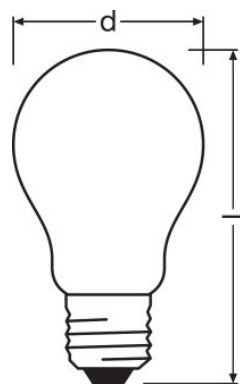
Product description	Capabilities	Certificates & standards		Country-specific categorizations
	Dimmable	Energy efficiency class	Energy consumption	ILCOS
SST CLAS A 75 FIL 8.5 W/2700K E27 ²⁾	Yes	A++	9 kWh/1000h	DRAA/C-8,5/827-220-240-E27-60
SST CLAS A 75 FR 8.5 W/2700K E27 ²⁾	Yes	A++	9 kWh/1000h	DRAA/F-8,5/827-220-240-E27-60
SST CLAS A 75 FR 8.5 W/2700K B22d ²⁾	Yes	A++	9 kWh/1000h	
SST CLAS A 75 8.5 W/4000K E27 ²⁾	Yes	A++	9 kWh/1000h	
SST CLAS A 75 CL 8.5 W/4000K E27 ²⁾	Yes	A++	9 kWh/1000h	
SST CLAS A 100 12 W/2700K E27 ¹⁾	Yes	A++	12 kWh/1000h	
SST CLAS A 100 12 W/2700K E27 ¹⁾	Yes	A++	12 kWh/1000h	
SST CLAS A 100 12 W/4000K E27 ¹⁾	Yes	A++	12 kWh/1000h	
SST CLAS A 100 12 W/2700K E27 ¹⁾	Yes	A++	12 kWh/1000h	
SST CLAS A 100 12 W/2700K B22d ¹⁾	Yes	A++	12 kWh/1000h	
SST CLAS A 100 12 W/2700K B22d ¹⁾	Yes	A++	12 kWh/1000h	
SST CLAS A 100 12 W/2700K E27 ¹⁾	Yes	A++	12 kWh/1000h	
SST CLAS A 100 12 W/4000K E27 ¹⁾	Yes	A++	12 kWh/1000h	
SST CLAS A 100 12 W/4000K E27 ¹⁾	Yes	A++	12 kWh/1000h	
SST CLAS A 100 12 W/4000K E27 ¹⁾	Yes	A++	12 kWh/1000h	

¹⁾ 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

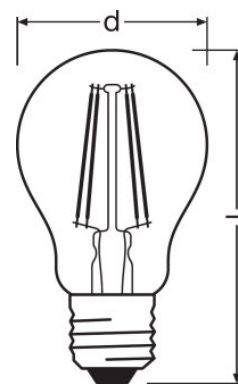
²⁾ All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value/LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance)



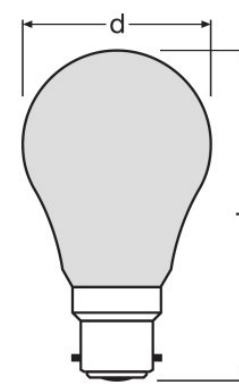
ST CLAS A 25 2.8 W/2700K E27



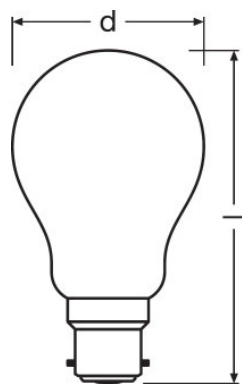
SST CLAS A 25 FR 2.8 W/2700K E27,
SST CLAS A 40 FR 4.5 W/2700K E27,
SST CLAS A 40 FR 4.5 W/4000K E27, ST
CLAS A 60 FR 7 W/2700K E27, SST CLAS
A 60 FR 7 W/4000K E27, SST CLAS A 75
FR 8.5 W/2700K E27, SST CLAS A 75 8.5
W/4000K E27, SST CLAS A 100 12
W/2700K E27, SST CLAS A 100 12
W/4000K E27



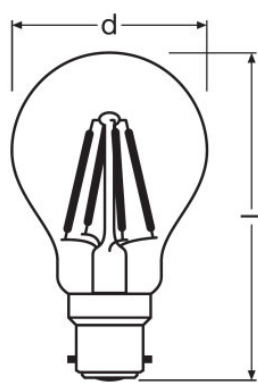
SST CLAS A 40 CL 4.5 W/2700K E27, ST
CLAS A 60 FIL 7 W/2700K E27, SST
CLAS A 60 FIL 7 W/2700K E27, SST
CLAS A 100 12 W/4000K E27



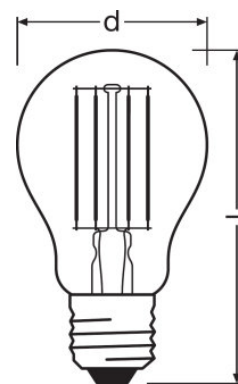
SST CLAS A 60 7 W/2700K B22d, SST
CLAS A 75 FR 8.5 W/2700K B22d



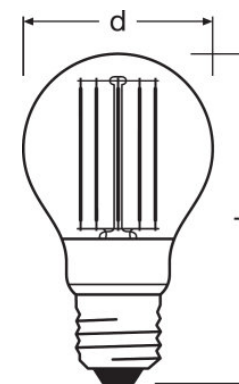
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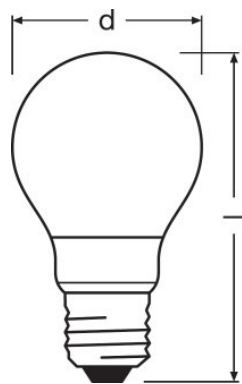
SST CLAS A 60 7 W/2700K B22d



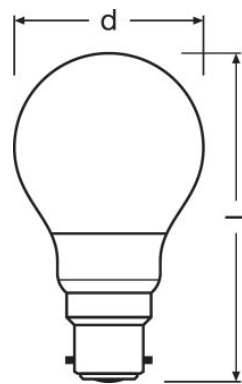
SST CLAS A 75 FIL 8.5 W/2700K E27,
SST CLAS A 75 CL 8.5 W/4000K E27



SST CLAS A 100 12 W/2700K E27, SST
CLAS A 100 12 W/2700K E27, SST CLAS
A 100 12 W/4000K E27



SST CLAS A 100 12 W/2700K E27, SST
CLAS A 100 12 W/4000K E27



SST CLAS A 100 12 W/2700K B22d, SST
CLAS A 100 12 W/2700K B22d

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
4058075107571	Shipping carton box 6	381 mm x 153 mm x 136 mm	411.00 g	7.93 dm ³
4058075211278	Shipping carton box 10	322 mm x 134 mm x 120 mm	498.00 g	5.18 dm ³
4058075107533	Shipping carton box 6	381 mm x 153 mm x 136 mm	402.00 g	7.93 dm ³
4058075211353	Shipping carton box 10	322 mm x 134 mm x 120 mm	498.00 g	5.18 dm ³
4052899962415	Shipping carton box 6	381 mm x 153 mm x 136 mm	415.00 g	7.93 dm ³
4058075211339	Shipping carton box 10	322 mm x 134 mm x 120 mm	508.00 g	5.18 dm ³
4052899959583	Shipping carton box 6	381 mm x 153 mm x 136 mm	448.00 g	7.93 dm ³
4058075054233	Shipping carton box 10	322 mm x 134 mm x 120 mm	518.00 g	5.18 dm ³
4058075132665	Shipping carton box 6	381 mm x 153 mm x 136 mm	430.00 g	7.93 dm ³
4052899941472	Shipping carton box 6	381 mm x 153 mm x 136 mm	423.00 g	7.93 dm ³
4058075054257	Shipping carton box 10	322 mm x 134 mm x 120 mm	518.00 g	5.18 dm ³
4052899962354	Shipping carton box 6	381 mm x 153 mm x 136 mm	423.00 g	7.93 dm ³
4058075809710	Shipping carton box 6	381 mm x 153 mm x 136 mm	435.00 g	7.93 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075245891	Shipping carton box 10	322 mm x 134 mm x 120 mm	518.00 g	5.18 dm ³
4058075809673	Shipping carton box 6	381 mm x 153 mm x 136 mm	423.00 g	7.93 dm ³
4058075115965	Shipping carton box 10	322 mm x 134 mm x 120 mm	588.00 g	5.18 dm ³
4058075107595	Shipping carton box 6	381 mm x 153 mm x 136 mm	414.00 g	7.93 dm ³
4058075245969	Shipping carton box 10	322 mm x 134 mm x 120 mm	518.00 g	5.18 dm ³
4058075809758	Shipping carton box 6	381 mm x 153 mm x 136 mm	437.00 g	7.93 dm ³
4058075112100	Shipping carton box 10	322 mm x 134 mm x 120 mm	609.00 g	5.18 dm ³
4058075809734	Shipping carton box 6	381 mm x 153 mm x 136 mm	449.00 g	7.93 dm ³
4058075107694	Shipping carton box 6	381 mm x 153 mm x 136 mm	414.00 g	7.93 dm ³
4058075107717	Shipping carton box 6	381 mm x 153 mm x 136 mm	438.00 g	7.93 dm ³
4058075107816	Shipping carton box 6	381 mm x 153 mm x 136 mm	414.00 g	7.93 dm ³
4058075116849	Shipping carton box 6	432 mm x 153 mm x 201 mm	723.00 g	13.29 dm ³
4058075245914	Shipping carton box 10	322 mm x 134 mm x 120 mm	518.00 g	5.18 dm ³
4058075289048	Shipping carton box 6	381 mm x 153 mm x 136 mm	466.00 g	7.93 dm ³
4058075288966	Shipping carton box 6	381 mm x 153 mm x 136 mm	414.00 g	7.93 dm ³
4058075116825	Shipping carton box 6	432 mm x 153 mm x 201 mm	753.00 g	13.29 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075245877	Shipping carton box 10	322 mm x 134 mm x 120 mm	518.00 g	5.18 dm ³
4058075116962	Shipping carton box 6	432 mm x 153 mm x 201 mm	727.00 g	13.29 dm ³
4058075245662	Shipping carton box 10	322 mm x 134 mm x 130 mm	546.00 g	5.61 dm ³
4058075289062	Shipping carton box 6	381 mm x 153 mm x 136 mm	414.00 g	7.93 dm ³
4058075289000	Shipping carton box 6	381 mm x 153 mm x 136 mm	462.00 g	7.93 dm ³
4058075116986	Shipping carton box 6	432 mm x 153 mm x 201 mm	750.00 g	13.29 dm ³
4058075116801	Shipping carton box 6	432 mm x 153 mm x 201 mm	723.00 g	13.29 dm ³
4058075289109	Shipping carton box 6	381 mm x 153 mm x 136 mm	414.00 g	7.93 dm ³

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.