

# PRODUCT FAMILY DATASHEET

## OSRAM DULUX STICK

Compact fluorescent integrated, stick shape



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### AREAS OF APPLICATION

- High-quality domestic and professional environments
- General illumination
- Outdoor use in enclosed and ventilated luminaires only

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### PRODUCT BENEFITS

- Excellent price/performance ratio
- Great variety of light colors

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### PRODUCT FEATURES

- Good quality of light; color rendering index  $R_a: \geq 80$ ; constant chromaticity
- Average life: 10,000 h



TECHNICAL DATA

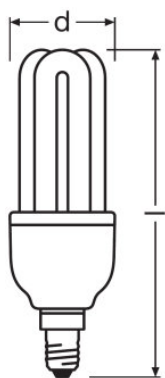
Product description	Electrical data				Photometrical data						Dimensions & weight	
	Nominal wattage	Rated wattage	Nominal voltage	Operating frequency	Nominal luminous flux	Rated luminous flux	Color temperature	Light color	Light color (designation)	Color rendering index Ra	Maximum diameter	Overall length
D STICK 11 W/827 220...240 V E14	11.00 W	11.00 W	220...240 V	50...60 Hz	620 lm	620 lm	2700 K	827	Warm White	≥80	41.0 mm	126.0 mm
D STICK 11 W/827 220...240 V E27	11.00 W	11.00 W	220...240 V	50...60 Hz	600 lm	600 lm	2700 K	827	Warm White	≥80	41.0 mm	124.0 mm
D STICK 11 W/840 220...240 V E14	11.00 W	11.00 W	220...240 V	50...60 Hz	600 lm	600 lm	4000 K	840	Cool White	≥80	41.0 mm	126.0 mm
D STICK 11 W/840 220...240 V E27	11.00 W	11.00 W	220...240 V	50...60 Hz	600 lm	600 lm	4000 K	840	Cool White	≥80	41.0 mm	124.0 mm
D STICK 11 W/865 220...240 V E14	11.00 W	11.00 W	220...240 V	50...60 Hz	580 lm	580 lm	6500 K	865	Cool Daylight	≥80	41.0 mm	126.0 mm
D STICK 11 W/865 220...240 V E27	11.00 W	11.00 W	220...240 V	50...60 Hz	580 lm	580 lm	6500 K	865	Cool Daylight	≥80	41.0 mm	124.0 mm
D STICK 15 W/827 220...240 V B22d	15.00 W	15.00 W	220...240 V	50...60 Hz	900 lm	900 lm	2700 K	827	Warm White	≥80	41.0 mm	143.0 mm
D STICK 15 W/827 220...240 V E27	15.00 W	15.00 W	220...240 V	50...60 Hz	900 lm	900 lm	2700 K	827	Warm White	≥80	41.0 mm	145.0 mm
D STICK 15 W/840 220...240 V E27	15.00 W	15.00 W	220...240 V	50...60 Hz	900 lm	900 lm	4000 K	840	Cool White	≥80	41.0 mm	145.0 mm
D STICK 15 W/865 220...240 V E27	15.00 W	15.00 W	220...240 V	50...60 Hz	870 lm	870 lm	6500 K	865	Cool Daylight	≥80	41.0 mm	145.0 mm
D STICK 20 W/827 220...240 V E27	20.00 W	20.00 W	220...240 V	50...60 Hz	1200 lm	1200 lm	2700 K	827	Warm White	≥80	49.0 mm	161.0 mm
D STICK 20 W/840 220...240 V E27	20.00 W	20.00 W	220...240 V	50...60 Hz	1200 lm	1200 lm	4000 K	840	Cool White	≥80	49.0 mm	161.0 mm
D STICK 23 W/827 220...240 V E27	23.00 W	23.00 W	220...240 V	50...60 Hz	1400 lm	1400 lm	2700 K	827	Warm White	≥80	49.0 mm	176.0 mm
D STICK 20 W/865 220...240 V E27	20.00 W	20.00 W	220...240 V	50...60 Hz	1180 lm	1180 lm	6500 K	865	Cool Daylight	≥80	49.0 mm	161.0 mm
D STICK 23 W/840 220...240 V E27	23.00 W	23.00 W	220...240 V	50...60 Hz	1400 lm	1400 lm	4000 K	840	Cool White	≥80	49.0 mm	176.0 mm
D STICK 23 W/865 220...240 V E27	23.00 W	23.00 W	220...240 V	50...60 Hz	1380 lm	1380 lm	6500 K	865	Cool Daylight	≥80	49.0 mm	176.0 mm
D STICK 8 W/827 220...240 V E14	8.00 W	8.00 W	220...240 V	50...60 Hz	420 lm	420 lm	2700 K	827	Warm White	≥80	43.0 mm	117.0 mm
D STICK 8 W/827 220...240 V E27	8.00 W	8.00 W	220...240 V	50...60 Hz	420 lm	420 lm	2700 K	827	Warm White	≥80	41.0 mm	114.0 mm
D STICK 8 W/840 220...240 V E14	8.00 W	8.00 W	220...240 V	50...60 Hz	420 lm	420 lm	4000 K	840	Cool White	≥80	43.0 mm	116.0 mm
D STICK 8 W/840 220...240 V E27	8.00 W	8.00 W	220...240 V	50...60 Hz	420 lm	420 lm	4000 K	840	Cool White	≥80	41.0 mm	114.0 mm
D STICK 8 W/865 220...240 V E14	8.00 W	8.00 W	220...240 V	50...60 Hz	400 lm	400 lm	6500 K	865	Cool Daylight	≥80	41.0 mm	116.0 mm
D STICK 8 W/865 220...240 V E27	8.00 W	8.00 W	220...240 V	50...60 Hz	400 lm	400 lm	6500 K	865	Cool Daylight	≥80	41.0 mm	114.0 mm

Product description	Product weight	Temperatures & operating conditions	Lifespan		Additional product data		Certificates & standards	
		Ambient temperature range	Nominal lamp life time	Rated lamp life time	Mercury content	Show WEEE picto	Energy efficiency class	Energy consumption
D STICK 11 W/827 220...240 V E14	53.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	11 kWh/1000h
D STICK 11 W/827 220...240 V E27	55.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	11 kWh/1000h
D STICK 11 W/840 220...240 V E14	53.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	11 kWh/1000h
D STICK 11 W/840 220...240 V E27	55.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	11 kWh/1000h
D STICK 11 W/865 220...240 V E14	53.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	11 kWh/1000h
D STICK 11 W/865 220...240 V E27	55.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	11 kWh/1000h
D STICK 15 W/827 220...240 V B22d	66.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	15 kWh/1000h
D STICK 15 W/827 220...240 V E27	62.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	15 kWh/1000h
D STICK 15 W/840 220...240 V E27	62.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	15 kWh/1000h
D STICK 15 W/865 220...240 V E27	62.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	15 kWh/1000h
D STICK 20 W/827 220...240 V E27	80.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	20 kWh/1000h
D STICK 20 W/840 220...240 V E27	80.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	20 kWh/1000h
D STICK 23 W/827 220...240 V E27	85.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	23 kWh/1000h
D STICK 20 W/865 220...240 V E27	80.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	20 kWh/1000h
D STICK 23 W/840 220...240 V E27	85.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	23 kWh/1000h
D STICK 23 W/865 220...240 V E27	85.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	23 kWh/1000h
D STICK 8 W/827 220...240 V E14	51.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	8 kWh/1000h
D STICK 8 W/827 220...240 V E27	53.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	8 kWh/1000h
D STICK 8 W/840 220...240 V E14	51.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	8 kWh/1000h
D STICK 8 W/840 220...240 V E27	53.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	8 kWh/1000h
D STICK 8 W/865 220...240 V E14	51.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	8 kWh/1000h
D STICK 8 W/865 220...240 V E27	53.00 g	-10...+50 °C	10000 h	10000 h	2.0 mg	Yes	A	8 kWh/1000h

**Country-specific categorizations**

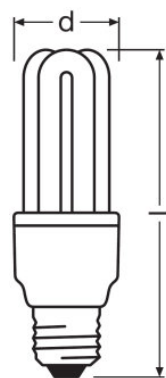
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D STICK 11 W/827 220...240 V E27	FBT-11/827-220/240-E27
D STICK 11 W/840 220...240 V E14	FBT-11/840-220/240-E14

Product description	Country-specific categorizations
	ILCOS
D STICK 11 W/840 220...240 V E27	FBT-11/840-220/240-E27
D STICK 11 W/865 220...240 V E14	FBT-11/865-220/240-E14
D STICK 11 W/865 220...240 V E27	FBT-11/865-220/240-E27
D STICK 15 W/827 220...240 V B22d	FBT-15/827-220/240-B22D
D STICK 15 W/827 220...240 V E27	FBT-15/827-220/240-E27
D STICK 15 W/840 220...240 V E27	FBT-15/840-220/240-E27
D STICK 15 W/865 220...240 V E27	FBT-15/865-220/240-E27
D STICK 20 W/827 220...240 V E27	FBT-20/827-220/240-E27
D STICK 20 W/840 220...240 V E27	FBT-20/840-220/240-E27
D STICK 23 W/827 220...240 V E27	FBT-23/827-220/240-E27
D STICK 20 W/865 220...240 V E27	FBT-20/865-220/240-E27
D STICK 23 W/840 220...240 V E27	FBT-23/840-220/240-E27
D STICK 23 W/865 220...240 V E27	FBT-23/865-220/240-E27
D STICK 8 W/827 220...240 V E14	FBT-8/827-220/240-E14
D STICK 8 W/827 220...240 V E27	FBT-8/827-220/240-E27
D STICK 8 W/840 220...240 V E14	FBT-8/840-220/240-E14
D STICK 8 W/840 220...240 V E27	FBT-8/840-220/240-E27
D STICK 8 W/865 220...240 V E14	FBT-8/865-220/240-E14
D STICK 8 W/865 220...240 V E27	FBT-8/865-220/240-E27



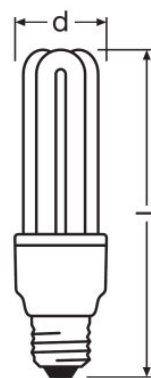

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D STICK 11 W/827 220...240 V E14, D  
 STICK 11 W/840 220...240 V E14, D  
 STICK 11 W/865 220...240 V E14



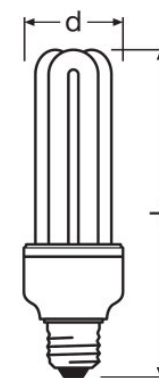

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D STICK 11 W/827 220...240 V E27, D  
 STICK 11 W/840 220...240 V E27, D  
 STICK 11 W/865 220...240 V E27



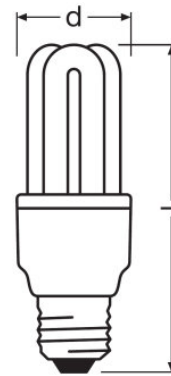
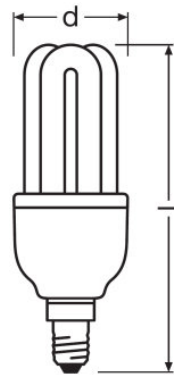
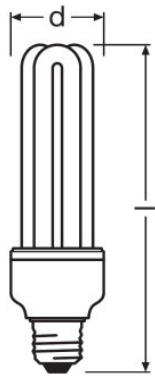

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D STICK 15 W/827 220...240 V B22d, D  
 STICK 15 W/827 220...240 V E27, D  
 STICK 15 W/840 220...240 V E27, D  
 STICK 15 W/865 220...240 V E27




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D STICK 20 W/827 220...240 V E27, D  
 STICK 20 W/840 220...240 V E27, D  
 STICK 20 W/865 220...240 V E27



Light colors, color rendering properties and Light Color Coordinates for OSRAM DULUX 8 - lamps with integrated control gear

Light Color (LM81-CRI)	Color Rendering Index (Ra)	Target Color Temperature (K)	Target Color Coordinate (x, y)	Color Temperature (K)
825 Warm Comfort Light	≥ 80	0.485	0.427	2900
827 Warm White	≥ 80	0.463	0.420	2700
840 Cool White	≥ 80	0.380	0.380	4000
865 Cool Daylight	≥ 80	0.313	0.337	6500

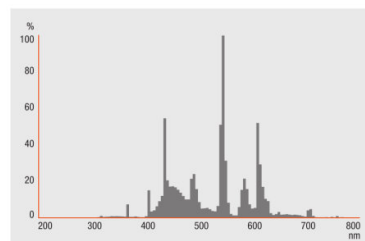
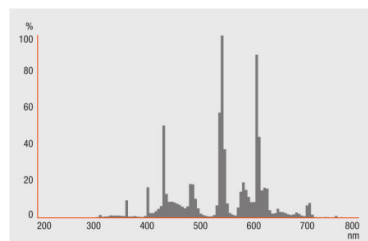
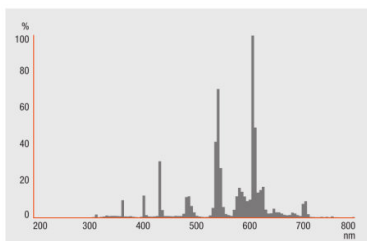
OSRAM

D STICK 23 W/827 220...240 V E27, D  
STICK 23 W/840 220...240 V E27, D  
STICK 23 W/865 220...240 V E27

D STICK 8 W/827 220...240 V E14, D  
STICK 8 W/840 220...240 V E14, D  
STICK 8 W/865 220...240 V E14

D STICK 8 W/827 220...240 V E27, D  
STICK 8 W/840 220...240 V E27, D  
STICK 8 W/865 220...240 V E27

D STICK 11 W/827 220...240 V E14, D  
STICK 11 W/827 220...240 V E27, D  
STICK 11 W/840 220...240 V E14, D  
STICK 11 W/840 220...240 V E27, D  
STICK 11 W/865 220...240 V E14, D  
STICK 11 W/865 220...240 V E27, D  
STICK 15 W/827 220...240 V B22d, D  
STICK 15 W/827 220...240 V E27, D  
STICK 15 W/840 220...240 V E27, D  
STICK 15 W/865 220...240 V E27, D  
STICK 20 W/827 220...240 V E27, D  
STICK 20 W/840 220...240 V E27, D  
STICK 23 W/827 220...240 V E27, D  
STICK 20 W/865 220...240 V E27, D  
STICK 23 W/840 220...240 V E27, D  
STICK 23 W/865 220...240 V E27, D  
STICK 8 W/827 220...240 V E14, D  
STICK 8 W/827 220...240 V E27, D  
STICK 8 W/840 220...240 V E14, D  
STICK 8 W/840 220...240 V E27, D  
STICK 8 W/865 220...240 V E14, D  
STICK 8 W/865 220...240 V E27




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D STICK 11 W/827 220...240 V E14, D  
 STICK 11 W/827 220...240 V E27, D  
 STICK 15 W/827 220...240 V B22d, D  
 STICK 15 W/827 220...240 V E27, D  
 STICK 20 W/827 220...240 V E27, D  
 STICK 23 W/827 220...240 V E27, D  
 STICK 8 W/827 220...240 V E14, D  
 STICK 8 W/827 220...240 V E27

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D STICK 11 W/840 220...240 V E14, D  
 STICK 11 W/840 220...240 V E27, D  
 STICK 15 W/840 220...240 V E27, D  
 STICK 20 W/840 220...240 V E27, D  
 STICK 23 W/840 220...240 V E27, D  
 STICK 8 W/840 220...240 V E14, D  
 STICK 8 W/840 220...240 V E27

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D STICK 11 W/865 220...240 V E14, D  
 STICK 11 W/865 220...240 V E27, D  
 STICK 15 W/865 220...240 V E27, D  
 STICK 20 W/865 220...240 V E27, D  
 STICK 23 W/865 220...240 V E27, D  
 STICK 8 W/865 220...240 V E14, D  
 STICK 8 W/865 220...240 V E27

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### SAFETY ADVICE

In case of lamp breakage: [www.ledvance.com/brokenlamp](http://www.ledvance.com/brokenlamp)  
 Not for use with external dimmers or electronic switches.

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### APPLICATION ADVICE

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

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### LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321989727	D STICK 11 W/827 220...240 V E14	Shipping carton box 8	196 mm x 200 mm x 154 mm	6.04 dm <sup>3</sup>	716.00 g
4008321989840	D STICK 11 W/827 220...240 V E14	Shipping carton box 10	244 mm x 145 mm x 99 mm	3.50 dm <sup>3</sup>	829.33 g
4008321363794	D STICK 11 W/827 220...240 V E27	Shipping carton box 10	240 mm x 143 mm x 139 mm	4.77 dm <sup>3</sup>	957.33 g
4008321363794	D STICK 11 W/827 220...240 V E27	Shipping carton box 30	345 mm x 265 mm x 160 mm	14.63 dm <sup>3</sup>	2360.00 g
4008321989741	D STICK 11 W/827 220...240 V E27	Shipping carton box 8	196 mm x 200 mm x 156 mm	6.12 dm <sup>3</sup>	760.00 g
4052899952218	D STICK 11 W/840 220...240 V E14	Shipping carton box 10	226 mm x 95 mm x 146 mm	3.13 dm <sup>3</sup>	771.00 g
4052899952225	D STICK 11 W/840 220...240 V E27	Shipping carton box 10	226 mm x 95 mm x 146 mm	3.13 dm <sup>3</sup>	791.00 g
4008321618078	D STICK 11 W/865 220...240 V E14	Shipping carton box 10	147 mm x 145 mm x 199 mm	4.24 dm <sup>3</sup>	840.67 g
4008321989734	D STICK 11 W/865 220...240 V E14	Shipping carton box 8	196 mm x 197 mm x 156 mm	6.02 dm <sup>3</sup>	728.00 g
4008321360724	D STICK 11 W/865 220...240 V E27	Shipping carton box 10	240 mm x 145 mm x 105 mm	3.65 dm <sup>3</sup>	917.00 g
4008321360724	D STICK 11 W/865 220...240 V E27	Shipping carton box 30	340 mm x 255 mm x 160 mm	13.87 dm <sup>3</sup>	2300.00 g
4008321989758	D STICK 11 W/865 220...240 V E27	Shipping carton box 8	196 mm x 200 mm x 154 mm	6.04 dm <sup>3</sup>	738.00 g
4052899952256	D STICK 15 W/827 220...240 V B22d	Shipping carton box 10	226 mm x 95 mm x 165 mm	3.54 dm <sup>3</sup>	905.00 g
4008321363824	D STICK 15 W/827 220...240 V E27	Shipping carton box 10	265 mm x 170 mm x 111 mm	5.00 dm <sup>3</sup>	1280.65 g
4008321363824	D STICK 15 W/827 220...240 V E27	Shipping carton box 30	300 mm x 255 mm x 160 mm	12.24 dm <sup>3</sup>	2580.00 g
4008321989765	D STICK 15 W/827 220...240 V E27	Shipping carton box 6	164 mm x 200 mm x 146 mm	4.79 dm <sup>3</sup>	786.10 g



Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899952232	D STICK 15 W/840 220...240 V E27	Shipping carton box 10	226 mm x 95 mm x 165 mm	3.54 dm <sup>3</sup>	865.00 g
4008321360779	D STICK 15 W/865 220...240 V E27	Shipping carton box 10	265 mm x 174 mm x 236 mm	10.88 dm <sup>3</sup>	1280.65 g
4008321360779	D STICK 15 W/865 220...240 V E27	Shipping carton box 30	300 mm x 255 mm x 160 mm	12.24 dm <sup>3</sup>	1830.00 g
4008321989772	D STICK 15 W/865 220...240 V E27	Shipping carton box 6	162 mm x 207 mm x 146 mm	4.90 dm <sup>3</sup>	786.10 g
4008321363855	D STICK 20 W/827 220...240 V E27	Shipping carton box 10	242 mm x 172 mm x 104 mm	4.33 dm <sup>3</sup>	1050.44 g
4008321363855	D STICK 20 W/827 220...240 V E27	Shipping carton box 30	295 mm x 270 mm x 190 mm	15.13 dm <sup>3</sup>	3100.00 g
4008321989789	D STICK 20 W/827 220...240 V E27	Shipping carton box 6	155 mm x 197 mm x 158 mm	4.82 dm <sup>3</sup>	724.20 g
4008321986849	D STICK 20 W/840 220...240 V E27	Shipping carton box 10	239 mm x 177 mm x 103 mm	4.36 dm <sup>3</sup>	1120.00 g
4008321986863	D STICK 23 W/827 220...240 V E27	Shipping carton box 10	163 mm x 258 mm x 161 mm	6.77 dm <sup>3</sup>	839.00 g
4008321360847	D STICK 20 W/865 220...240 V E27	Shipping carton box 10	242 mm x 173 mm x 107 mm	4.48 dm <sup>3</sup>	1050.44 g
4008321360847	D STICK 20 W/865 220...240 V E27	Shipping carton box 30	265 mm x 290 mm x 190 mm	14.60 dm <sup>3</sup>	2860.00 g
4008321989796	D STICK 20 W/865 220...240 V E27	Shipping carton box 6	157 mm x 197 mm x 158 mm	4.89 dm <sup>3</sup>	724.20 g
4008321986887	D STICK 23 W/840 220...240 V E27	Shipping carton box 10	280 mm x 116 mm x 196 mm	6.37 dm <sup>3</sup>	1320.00 g
4052899952201	D STICK 23 W/865 220...240 V E27	Shipping carton box 10	268 mm x 111 mm x 193 mm	5.74 dm <sup>3</sup>	1232.00 g
4008321071835	D STICK 8 W/827 220...240 V E14	Shipping carton box 8	199 mm x 200 mm x 160 mm	6.37 dm <sup>3</sup>	723.09 g
4052899921344	D STICK 8 W/827 220...240 V E14	Shipping carton box 10	226 mm x 96 mm x 137 mm	2.97 dm <sup>3</sup>	792.00 g

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321071101	D STICK 8 W/827 220...240 V E27	Shipping carton box 8	199 mm x 201 mm x 160 mm	6.40 dm <sup>3</sup>	723.09 g
4052899921337	D STICK 8 W/827 220...240 V E27	Shipping carton box 10	226 mm x 96 mm x 137 mm	2.97 dm <sup>3</sup>	792.00 g
4008321361721	D STICK 8 W/840 220...240 V E14	Shipping carton box 10	226 mm x 135 mm x 98 mm	2.99 dm <sup>3</sup>	777.00 g
4008321361752	D STICK 8 W/840 220...240 V E27	Shipping carton box 10	226 mm x 135 mm x 99 mm	3.02 dm <sup>3</sup>	777.00 g
4052899952140	D STICK 8 W/865 220...240 V E14	Shipping carton box 10	226 mm x 95 mm x 136 mm	2.92 dm <sup>3</sup>	710.00 g
4052899952133	D STICK 8 W/865 220...240 V E27	Shipping carton box 10	226 mm x 95 mm x 136 mm	2.92 dm <sup>3</sup>	730.00 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.