

PRODUCT FAMILY DATASHEET

SubstiTUBE® PRO UO UN

LED tubes for electronic control gears (ECG), electromagnetic control gears (CCG) and mains, shatterproof



Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- Supermarkets and department stores
- Industry

Product benefits

- No bending thanks to glass technology
- Shatter protection thanks to special PET coating
- Also suitable for operation at low temperatures
- High luminous flux for sophisticated lighting tasks
- Easy installation

Product features

- T8 LED tube made of glass with G13 base
- Compatible with conventional and many common electronic control gears (see also compatibility list) and line voltage
- Low flicker according to EU 2019/2020
- Lamp tube made of glass with splinter protection e.g. for food industry applications
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Lifetime: up to 60,000 h



TECHNICAL DATA

Electrical data

Product description	Nominal wattage	Nominal voltage	Claimed equiv. conventional lamp power	Nominal current	Type of current
ST8PROU-UN 7.5 W/6500 K 600 mm	7.5 W	220...240 V	18 W	45 mA	AC
ST8PROU-UN 23 W/6500 K 1500 mm	23 W	220...240 V	58 W	125 mA	AC
ST8PROU-UN 7.5 W/4000 K 600 mm	7.5 W	220...240 V	18 W	45 mA	AC
ST8PROU-UN 15 W/4000 K 1200 mm	15 W	220...240 V	36 W	85 mA	AC
ST8PROU-UN 7.5 W/3000 K 600 mm	7.5 W	220...240 V	18 W	45 mA	AC
ST8PROU-UN 15 W/6500 K 1200 mm	15 W	220...240 V	36 W	85 mA	AC
ST8PROU-UN 7.5 W/4000 K 600 mm	7.5 W	220...240 V	18 W	45 mA	AC
ST8PROU-UN 23 W/6500 K 1500 mm	23 W	220...240 V	58 W	125 mA	AC
ST8PROU-UN 15 W/6500 K 1200 mm	15 W	220...240 V	36 W	85 mA	AC
ST8PROU-UN 23 W/4000 K 1500 mm	23 W	220...240 V	58 W	125 mA	AC
ST8PROU-UN 23 W/4000 K 1500 mm	23 W	220...240 V	58 W	125 mA	AC
ST8PROU-UN 7.5 W/6500 K 600 mm	7.5 W	220...240 V	18 W	45 mA	AC
ST8PROU-UN 15 W/4000 K 1200 mm	15 W	220...240 V	36 W	85 mA	AC

Product description	Inrush current	Operating frequency	Mains frequency	Max. lamp no. on circuit break. 10 A (B)	Max. lamp no. on circuit break. B10 A - CCG with compensation
ST8PROU-UN 7.5 W/6500 K 600 mm	10 A	50...60 Hz	50...60 Hz	125	165
ST8PROU-UN 23 W/6500 K 1500 mm	15 A	50...60 Hz	50...60 Hz	50	
ST8PROU-UN 7.5 W/4000 K 600 mm	10 A	50...60 Hz	50...60 Hz	125	165
ST8PROU-UN 15 W/4000 K 1200 mm	12 A	50...60 Hz	50...60 Hz	80	88

Product description	Inrush current	Operating frequency	Mains frequency	Max. lamp no. on circuit break. 10 A (B)	Max. lamp no. on circuit break. B10 A - CCG with compensation
ST8PROU-UN 7.5 W/3000 K 600 mm	10 A	50...60 Hz	50...60 Hz	125	165
ST8PROU-UN 15 W/6500 K 1200 mm	12 A	50...60 Hz	50...60 Hz	80	
ST8PROU-UN 7.5 W/4000 K 600 mm	10 A	50...60 Hz	50...60 Hz	125	165
ST8PROU-UN 23 W/6500 K 1500 mm	15 A	50...60 Hz	50...60 Hz	50	60
ST8PROU-UN 15 W/6500 K 1200 mm	12 A	50...60 Hz	50...60 Hz	80	88
ST8PROU-UN 23 W/4000 K 1500 mm	15 A	50...60 Hz	50...60 Hz	50	
ST8PROU-UN 23 W/4000 K 1500 mm	15 A	50...60 Hz	50...60 Hz	50	60
ST8PROU-UN 7.5 W/6500 K 600 mm	10 A	50...60 Hz	50...60 Hz	125	165
ST8PROU-UN 15 W/4000 K 1200 mm	12 A	50...60 Hz	50...60 Hz	80	

Product description	Max. lamp no. on circuit break. 16 A (B)	Max. lamp no. on circuit break. B16 A - CCG with compensation	Total harmonic distortion	Power factor λ
ST8PROU-UN 7.5 W/6500 K 600 mm	200	265	< 20 %	> 0,80
ST8PROU-UN 23 W/6500 K 1500 mm	85		< 20 %	> 0,90
ST8PROU-UN 7.5 W/4000 K 600 mm	200	265	< 20 %	> 0,80
ST8PROU-UN 15 W/4000 K 1200 mm	125	140	< 20 %	> 0,90
ST8PROU-UN 7.5 W/3000 K 600 mm	200	265	< 20 %	> 0,80
ST8PROU-UN 15 W/6500 K 1200 mm	125		< 20 %	> 0,90
ST8PROU-UN 7.5 W/4000 K 600 mm	200	265	< 20 %	> 0,80
ST8PROU-UN 23 W/6500 K 1500 mm	85	95	< 20 %	> 0,90
ST8PROU-UN 15 W/6500 K 1200 mm	125	140	< 20 %	> 0,90
ST8PROU-UN 23 W/4000 K 1500 mm	85		< 20 %	> 0,90

Product description	Max. lamp no. on circuit break. 16 A (B)	Max. lamp no. on circuit break. B16 A - CCG with compensation	Total harmonic distortion	Power factor λ
ST8PROU-UN 23 W/4000 K 1500 mm	85	95	< 20 %	> 0,90
ST8PROU-UN 7.5 W/6500 K 600 mm	200	265	< 20 %	> 0,80
ST8PROU-UN 15 W/4000 K 1200 mm	125		< 20 %	> 0,90

Photometrical data

Product description	Luminous flux	Luminous efficacy	Lumen main.fact.at end of nom.li	Light color (designation)	Color temperature
ST8PROU-UN 7.5 W/6500 K 600 mm	1100 lm	146 lm/W	0.70	Cool Daylight	6500 K
ST8PROU-UN 23 W/6500 K 1500 mm	3700 lm	160 lm/W	0.70	Cool Daylight	6500 K
ST8PROU-UN 7.5 W/4000 K 600 mm	1100 lm	146 lm/W	0.70	Cool White	4000 K
ST8PROU-UN 15 W/4000 K 1200 mm	2400 lm	160 lm/W	0.70	Cool White	4000 K
ST8PROU-UN 7.5 W/3000 K 600 mm	1000 lm	133 lm/W	0.70	Warm White	3000 K
ST8PROU-UN 15 W/6500 K 1200 mm	2400 lm	160 lm/W	0.70	Cool Daylight	6500 K
ST8PROU-UN 7.5 W/4000 K 600 mm	1100 lm	146 lm/W	0.70	Cool White	4000 K
ST8PROU-UN 23 W/6500 K 1500 mm	3700 lm	160 lm/W	0.70	Cool Daylight	6500 K
ST8PROU-UN 15 W/6500 K 1200 mm	2400 lm	160 lm/W	0.70	Cool Daylight	6500 K
ST8PROU-UN 23 W/4000 K 1500 mm	3700 lm	160 lm/W	0.70	Cool White	4000 K
ST8PROU-UN 23 W/4000 K 1500 mm	3700 lm	160 lm/W	0.70	Cool White	4000 K
ST8PROU-UN 7.5 W/6500 K 600 mm	1100 lm	146 lm/W	0.70	Cool Daylight	6500 K
ST8PROU-UN 15 W/4000 K 1200 mm	2400 lm	160 lm/W	0.70	Cool White	4000 K

Product description	Color rendering index Ra	Light color	Standard deviation of color matching
ST8PROU-UN 7.5 W/6500 K 600 mm	83	865	≤5 sdcn
ST8PROU-UN 23 W/6500 K 1500 mm	83	865	≤5 sdcn

Product description	Color rendering index Ra	Light color	Standard deviation of color matching
ST8PROU-UN 7.5 W/4000 K 600 mm	83	840	≤5 sdcM
ST8PROU-UN 15 W/4000 K 1200 mm	83	840	≤5 sdcM
ST8PROU-UN 7.5 W/3000 K 600 mm	83	830	≤5 sdcM
ST8PROU-UN 15 W/6500 K 1200 mm	83	865	≤5 sdcM
ST8PROU-UN 7.5 W/4000 K 600 mm	83	840	≤5 sdcM
ST8PROU-UN 23 W/6500 K 1500 mm	83	865	≤5 sdcM
ST8PROU-UN 15 W/6500 K 1200 mm	83	865	≤5 sdcM
ST8PROU-UN 23 W/4000 K 1500 mm	83	840	≤5 sdcM
ST8PROU-UN 23 W/4000 K 1500 mm	83	840	≤5 sdcM
ST8PROU-UN 7.5 W/6500 K 600 mm	83	865	≤5 sdcM
ST8PROU-UN 15 W/4000 K 1200 mm	83	840	≤5 sdcM

Light technical data

Product description	Beam angle	Warm-up time (60 %)	Starting time	Rated beam angle (half peak value)
ST8PROU-UN 7.5 W/6500 K 600 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 23 W/6500 K 1500 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 7.5 W/4000 K 600 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 15 W/4000 K 1200 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 7.5 W/3000 K 600 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 15 W/6500 K 1200 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 7.5 W/4000 K 600 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 23 W/6500 K 1500 mm	190 °	< 2.00 s	< 0.5 s	190.00 °

Product description	Beam angle	Warm-up time (60 %)	Starting time	Rated beam angle (half peak value)
ST8PROU-UN 15 W/6500 K 1200 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 23 W/4000 K 1500 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 23 W/4000 K 1500 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 7.5 W/6500 K 600 mm	190 °	< 2.00 s	< 0.5 s	190.00 °
ST8PROU-UN 15 W/4000 K 1200 mm	190 °	< 2.00 s	< 0.5 s	190.00 °

Dimensions & weight

Product description	Overall length	Length	Diameter	Tube diameter
ST8PROU-UN 7.5 W/6500 K 600 mm	602.90 mm	602.90 mm	27.80 mm	25.5 mm
ST8PROU-UN 23 W/6500 K 1500 mm	1513.10 mm	1513.10 mm	27.80 mm	25.5 mm
ST8PROU-UN 7.5 W/4000 K 600 mm	602.90 mm	602.90 mm	27.80 mm	25.5 mm
ST8PROU-UN 15 W/4000 K 1200 mm	1212.50 mm	1212.50 mm	27.80 mm	25.5 mm
ST8PROU-UN 7.5 W/3000 K 600 mm	602.90 mm	602.90 mm	27.80 mm	25.5 mm
ST8PROU-UN 15 W/6500 K 1200 mm	1212.50 mm	1212.50 mm	27.80 mm	25.5 mm
ST8PROU-UN 7.5 W/4000 K 600 mm	602.90 mm	602.90 mm	27.80 mm	25.5 mm
ST8PROU-UN 23 W/6500 K 1500 mm	1513.10 mm	1513.10 mm	27.80 mm	25.5 mm
ST8PROU-UN 15 W/6500 K 1200 mm	1212.50 mm	1212.50 mm	27.80 mm	25.5 mm
ST8PROU-UN 23 W/4000 K 1500 mm	1513.10 mm	1513.10 mm	27.80 mm	25.5 mm
ST8PROU-UN 23 W/4000 K 1500 mm	1513.10 mm	1513.10 mm	27.80 mm	25.5 mm
ST8PROU-UN 7.5 W/6500 K 600 mm	602.90 mm	602.90 mm	27.80 mm	25.5 mm
ST8PROU-UN 15 W/4000 K 1200 mm	1212.50 mm	1212.50 mm	27.80 mm	25.5 mm

Product description	Maximum diameter	Product weight
ST8PROU-UN 7.5 W/6500 K 600 mm	28 mm	131.000 g
ST8PROU-UN 23 W/6500 K 1500 mm	28 mm	272.000 g
ST8PROU-UN 7.5 W/4000 K 600 mm	28 mm	131.000 g
ST8PROU-UN 15 W/4000 K 1200 mm	28 mm	223.000 g
ST8PROU-UN 7.5 W/3000 K 600 mm	28 mm	131.000 g
ST8PROU-UN 15 W/6500 K 1200 mm	28 mm	223.000 g
ST8PROU-UN 7.5 W/4000 K 600 mm	28 mm	131.000 g
ST8PROU-UN 23 W/6500 K 1500 mm	28 mm	272.000 g
ST8PROU-UN 15 W/6500 K 1200 mm	28 mm	223.000 g
ST8PROU-UN 23 W/4000 K 1500 mm	28 mm	272.000 g
ST8PROU-UN 23 W/4000 K 1500 mm	28 mm	272.000 g
ST8PROU-UN 7.5 W/6500 K 600 mm	28 mm	131.000 g
ST8PROU-UN 15 W/4000 K 1200 mm	28 mm	223.000 g

Product line drawing



ST8PROU-UN 15 W/4000 K 1200 mm

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point
ST8PROU-UN 7.5 W/6500 K 600 mm	-20...+45 °C	59 °C
ST8PROU-UN 23 W/6500 K 1500 mm	-20...+45 °C	74 °C

Product description	Ambient temperature range	Maximum temperature at tc test point
ST8PROU-UN 7.5 W/4000 K 600 mm	-20...+45 °C	59 °C
ST8PROU-UN 15 W/4000 K 1200 mm	-20...+45 °C	66 °C ¹⁾
ST8PROU-UN 7.5 W/3000 K 600 mm	-20...+45 °C	59 °C ¹⁾
ST8PROU-UN 15 W/6500 K 1200 mm	-20...+45 °C	66 °C
ST8PROU-UN 7.5 W/4000 K 600 mm	-20...+45 °C	59 °C ¹⁾
ST8PROU-UN 23 W/6500 K 1500 mm	-20...+45 °C	74 °C ²⁾
ST8PROU-UN 15 W/6500 K 1200 mm	-20...+45 °C	66 °C ¹⁾
ST8PROU-UN 23 W/4000 K 1500 mm	-20...+45 °C	74 °C
ST8PROU-UN 23 W/4000 K 1500 mm	-20...+45 °C	74 °C ²⁾
ST8PROU-UN 7.5 W/6500 K 600 mm	-20...+45 °C	59 °C ¹⁾
ST8PROU-UN 15 W/4000 K 1200 mm	-20...+45 °C	66 °C

1) at CCG+Mains operation, ECG operation: 69°C

2) at CCG+Mains operation, ECG operation: 73°C

Lifespan

Product description	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen maintenance at end of serv	Rated lamp survival factor at 6,000
ST8PROU-UN 7.5 W/6500 K 600 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 23 W/6500 K 1500 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 7.5 W/4000 K 600 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 15 W/4000 K 1200 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 7.5 W/3000 K 600 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 15 W/6500 K 1200 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 7.5 W/4000 K 600 mm	60000 h	60000 h	200000	0.70	≥ 0.90

Product description	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen maintenance at end of serv	Rated lamp survival factor at 6,000
ST8PROU-UN 23 W/6500 K 1500 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 15 W/6500 K 1200 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 23 W/4000 K 1500 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 23 W/4000 K 1500 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 7.5 W/6500 K 600 mm	60000 h	60000 h	200000	0.70	≥ 0.90
ST8PROU-UN 15 W/4000 K 1200 mm	60000 h	60000 h	200000	0.70	≥ 0.90

Additional product data

Product description	Base (standard designation)	Mercury content
ST8PROU-UN 7.5 W/6500 K 600 mm	G13	0.0 mg
ST8PROU-UN 23 W/6500 K 1500 mm	G13	0.0 mg
ST8PROU-UN 7.5 W/4000 K 600 mm	G13	0.0 mg
ST8PROU-UN 15 W/4000 K 1200 mm	G13	0.0 mg
ST8PROU-UN 7.5 W/3000 K 600 mm	G13	0.0 mg
ST8PROU-UN 15 W/6500 K 1200 mm	G13	0.0 mg
ST8PROU-UN 7.5 W/4000 K 600 mm	G13	0.0 mg
ST8PROU-UN 23 W/6500 K 1500 mm	G13	0.0 mg
ST8PROU-UN 15 W/6500 K 1200 mm	G13	0.0 mg
ST8PROU-UN 23 W/4000 K 1500 mm	G13	0.0 mg
ST8PROU-UN 23 W/4000 K 1500 mm	G13	0.0 mg
ST8PROU-UN 7.5 W/6500 K 600 mm	G13	0.0 mg
ST8PROU-UN 15 W/4000 K 1200 mm	G13	0.0 mg

Capabilities

Product description	Dimmable
ST8PROU-UN 7.5 W/6500 K 600 mm	No
ST8PROU-UN 23 W/6500 K 1500 mm	No
ST8PROU-UN 7.5 W/4000 K 600 mm	No
ST8PROU-UN 15 W/4000 K 1200 mm	No
ST8PROU-UN 7.5 W/3000 K 600 mm	No
ST8PROU-UN 15 W/6500 K 1200 mm	No
ST8PROU-UN 7.5 W/4000 K 600 mm	No
ST8PROU-UN 23 W/6500 K 1500 mm	No
ST8PROU-UN 15 W/6500 K 1200 mm	No
ST8PROU-UN 23 W/4000 K 1500 mm	No
ST8PROU-UN 23 W/4000 K 1500 mm	No
ST8PROU-UN 7.5 W/6500 K 600 mm	No
ST8PROU-UN 15 W/4000 K 1200 mm	No

Certificates & standards

Product description	Energy efficiency class	Energy consumption	Type of protection	Standards
ST8PROU-UN 7.5 W/6500 K 600 mm	D	8.00 kWh/1000h	IP20	CE
ST8PROU-UN 23 W/6500 K 1500 mm	C	23.00 kWh/1000h	IP20	CE
ST8PROU-UN 7.5 W/4000 K 600 mm	D	8.00 kWh/1000h	IP20	CE
ST8PROU-UN 15 W/4000 K 1200 mm	A++ ¹⁾	15.00 kWh/1000h	IP20	CE
ST8PROU-UN 7.5 W/3000 K 600 mm	A++ ¹⁾	7.50 kWh/1000h	IP20	CE
ST8PROU-UN 15 W/6500 K 1200 mm	C	15.00 kWh/1000h	IP20	CE

Product description	Energy efficiency class	Energy consumption	Type of protection	Standards
ST8PROU-UN 7.5 W/4000 K 600 mm	A++ ¹⁾	7.50 kWh/1000h	IP20	CE
ST8PROU-UN 23 W/6500 K 1500 mm	A++ ¹⁾	23.00 kWh/1000h	IP20	CE
ST8PROU-UN 15 W/6500 K 1200 mm	A++ ¹⁾	15.00 kWh/1000h	IP20	CE
ST8PROU-UN 23 W/4000 K 1500 mm	C	23.00 kWh/1000h	IP20	CE
ST8PROU-UN 23 W/4000 K 1500 mm	A++ ¹⁾	23.00 kWh/1000h	IP20	CE
ST8PROU-UN 7.5 W/6500 K 600 mm	A++ ¹⁾	7.50 kWh/1000h	IP20	CE
ST8PROU-UN 15 W/4000 K 1200 mm	C	15.00 kWh/1000h	IP20	CE

¹⁾ Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

LOGISTICAL DATA

Product description	Temperature range at storage
ST8PROU-UN 7.5 W/6500 K 600 mm	-20...+80 °C
ST8PROU-UN 23 W/6500 K 1500 mm	-20...+80 °C
ST8PROU-UN 7.5 W/4000 K 600 mm	-20...+80 °C
ST8PROU-UN 15 W/4000 K 1200 mm	-20...+80 °C
ST8PROU-UN 7.5 W/3000 K 600 mm	-20...+80 °C
ST8PROU-UN 15 W/6500 K 1200 mm	-20...+80 °C
ST8PROU-UN 7.5 W/4000 K 600 mm	-20...+80 °C
ST8PROU-UN 23 W/6500 K 1500 mm	-20...+80 °C
ST8PROU-UN 15 W/6500 K 1200 mm	-20...+80 °C
ST8PROU-UN 23 W/4000 K 1500 mm	-20...+80 °C
ST8PROU-UN 23 W/4000 K 1500 mm	-20...+80 °C
ST8PROU-UN 7.5 W/6500 K 600 mm	-20...+80 °C

Product description	Temperature range at storage
ST8PROU-UN 15 W/4000 K 1200 mm	-20...+80 °C

APPLICATION ADVICE

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



SALES AND TECHNICAL SUPPORT


















Sales and Technical Support www.ledvance.com









COUNTRY SPECIFIC INFORMATION

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
ST8PROU-UN 7.5 W/6500 K 600 mm	4008597201271	-	-	-	-
ST8PROU-UN 23 W/6500 K 1500 mm	4008597200533	-	-	-	-
ST8PROU-UN 7.5 W/4000 K 600 mm	4008597201288	-	-	-	-
ST8PROU-UN 15 W/4000 K 1200 mm	4058075546813	-	8296173	4930377	-
ST8PROU-UN 7.5 W/3000 K 600 mm	4058075546752	-	8296170	4930374	-
ST8PROU-UN 15 W/6500 K 1200 mm	4008597200519	-	-	-	-
ST8PROU-UN 7.5 W/4000 K 600 mm	4058075546776	-	8296171	4930375	-
ST8PROU-UN 23 W/6500 K 1500 mm	4058075546875	-	8296176	4930380	-
ST8PROU-UN 15 W/6500 K 1200 mm	4058075546837	-	8296174	4930378	-
ST8PROU-UN 23 W/4000 K 1500 mm	4008597200526	-	-	-	-
ST8PROU-UN 23 W/4000 K 1500 mm	4058075546851	-	8296175	4930379	-
ST8PROU-UN 7.5 W/6500 K 600 mm	4058075546790	-	8296172	4930376	-
ST8PROU-UN 15 W/4000 K 1200 mm	4008597200502	-	-	-	-

DOWNLOAD DATA

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	Installation guide SubstiTUBE® T8 T5
	Installation guide Installationsanleitung SubstiTUBE T8 T5

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	IES file (IES) ST8PROU 0.6M 7,5W 865 UN OSRAM
	LDT file (Eulumdat) ST8PROU 0.6M 7,5W 865 UN OSRAM

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597201271	Sleeve 1	695 mm x 29 mm x 29 mm	149.00 g	0.58 dm ³
4008597200533	Sleeve 1	1,605 mm x 29 mm x 29 mm	306.00 g	1.35 dm ³
4008597201288	Sleeve 1	695 mm x 29 mm x 29 mm	149.00 g	0.58 dm ³
4058075546813	Sleeve 1	1,305 mm x 29 mm x 29 mm	252.00 g	1.10 dm ³
4058075546752	Sleeve 1	695 mm x 29 mm x 29 mm	149.00 g	0.58 dm ³
4008597200519	Sleeve 1	1,305 mm x 29 mm x 29 mm	252.00 g	1.10 dm ³
4058075546776	Sleeve 1	695 mm x 29 mm x 29 mm	149.00 g	0.58 dm ³
4058075546875	Sleeve 1	1,605 mm x 29 mm x 29 mm	306.00 g	1.35 dm ³
4058075546837	Sleeve 1	1,305 mm x 29 mm x 29 mm	252.00 g	1.10 dm ³
4008597200526	Sleeve 1	1,605 mm x 29 mm x 29 mm	306.00 g	1.35 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075546851	Sleeve 1	1,605 mm x 29 mm x 29 mm	306.00 g	1.35 dm ³
4058075546790	Sleeve 1	695 mm x 29 mm x 29 mm	149.00 g	0.58 dm ³
4008597200502	Sleeve 1	1,305 mm x 29 mm x 29 mm	252.00 g	1.10 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.