

# PRODUCT FAMILY DATASHEET

## SubstiTUBE ECO HO

LED tubes for electromagnetic control gears with high lumen output



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### AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45 °C
- Corridors, stairways, parking garages
- Train stations
- Underground stations
- Supermarkets and department stores
- Industry

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### PRODUCT BENEFITS

- Good quality of light
- High lumen output up to 2200 lm
- Quick, simple and safe replacement without rewiring
- Low maintenance costs thanks to long lifetime
- Also suitable for operation at low temperatures
- Photobiological safety according to IEC 62778, risk group RG0

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### PRODUCT FEATURES

- T8 LED tube made of glass with G13 base
- Good color rendering index  $R_a \geq 80$
- High color consistency:  $\leq 6$  SDCM
- Lifetime: up to 15,000 h
- Mercury-free and RoHS compliant



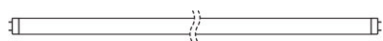
TECHNICAL DATA

Product description	Electrical data						Photometrical data				
	Rated wattage	Nominal voltage	Operating frequency	Nominal wattage	Nominal current	Type of current	Color temperature	Nominal luminous flux	Rated luminous flux	Lumen main.fact.at end of nom.life time	Light color (designation)
ST8E-HO 10 W/6500K 600 mm	10.00 W	220...240 V	50/60 Hz	10.00 W	0.08 A	AC	6500 K	1100 lm	1100 lm	0.70	Daylight
ST8E-HO 10 W/3000K 600 mm	10.00 W	220...240 V	50/60 Hz	10.00 W	0.08 A	AC	3000 K	990 lm	990 lm	0.70	Warm White
ST8E-HO 20 W/6500K 1200 mm	20.00 W	220...240 V	50/60 Hz	20.00 W	0.155 A	AC	6500 K	2200 lm	2200 lm	0.70	Daylight
ST8E-HO 20 W/3000K 1200 mm	20.00 W	220...240 V	50/60 Hz	20.00 W	0.155 A	AC	3000 K	1980 lm	1980 lm	0.70	Warm White
ST8E-HO 10 W/4000K 600 mm	10.00 W	220...240 V	50/60 Hz	10.00 W	0.08 A	AC	4000 K	1100 lm	1100 lm	0.70	Cool White
ST8E-HO 20 W/4000K 1200 mm	20.00 W	220...240 V	50/60 Hz	20.00 W	0.155 A	AC	4000 K	2200 lm	2200 lm	0.70	Cool White

Product description	Light technical data			Dimensions & weight		Temperatures & operating conditions		Lifespan		
	Color temperature	Luminous flux	Color rendering index Ra	Starting time	Rated beam angle (half peak value)	Product weight	Overall length	Ambient temperature range	Nominal lamp life time	Number of switching cycles
ST8E-HO 10 W/6500K 600 mm	6500 K	1100 lm	≥80	< 0.5 s	> 160.00 °	95.00 g	604.0 mm	-20...+45 °C	15000 h	50000
ST8E-HO 10 W/3000K 600 mm	3000 K	990 lm	≥80	< 0.5 s	> 160.00 °	95.00 g	604.0 mm	-20...+45 °C	15000 h	50000
ST8E-HO 20 W/6500K 1200 mm	6500 K	2200 lm	≥80	< 0.5 s	> 160.00 °	175.00 g	1214 mm	-20...+45 °C	15000 h	50000
ST8E-HO 20 W/3000K 1200 mm	3000 K	1980 lm	≥80	< 0.5 s	> 160.00 °	175.00 g	1214 mm	-20...+45 °C	15000 h	50000
ST8E-HO 10 W/4000K 600 mm	4000 K	1100 lm	≥80	< 0.5 s	> 160.00 °	95.00 g	604.0 mm	-20...+45 °C	15000 h	50000
ST8E-HO 20 W/4000K 1200 mm	4000 K	2200 lm	≥80	< 0.5 s	> 160.00 °	175.00 g	1214 mm	-20...+45 °C	15000 h	50000

Product description	Additional product data	Capabilities	Certificates & standards
	Base (standard designation)	Dimmable	Type of protection
ST8E-HO 10 W/6500K 600 mm	G13	No	IP20
ST8E-HO 10 W/3000K 600 mm	G13	No	IP20
ST8E-HO 20 W/6500K 1200 mm	G13	No	IP20

Product description	Additional product data	Capabilities	Certificates & standards
	Base (standard designation)	Dimmable	Type of protection
ST8E-HO 20 W/3000K 1200 mm	G13	No	IP20
ST8E-HO 10 W/4000K 600 mm	G13	No	IP20
ST8E-HO 20 W/4000K 1200 mm	G13	No	IP20



ST8E-HO 10 W/6500K 600 mm, ST8E-HO 10 W/3000K 600 mm, ST8E-HO 20 W/6500K 1200 mm, ST8E-HO 20 W/3000K 1200 mm, ST8E-HO 10 W/4000K 600 mm, ST8E-HO 20 W/4000K 1200 mm

### 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
4058075512184	Shipping carton box 25	710 mm x 155 mm x 160 mm	3355.00 g	17.61 dm <sup>3</sup>
4058075512146	Shipping carton box 25	710 mm x 155 mm x 160 mm	3355.00 g	17.61 dm <sup>3</sup>
4058075512245	Shipping carton box 25	1310 mm x 155 mm x 160 mm	5663.00 g	32.49 dm <sup>3</sup>
4058075512207	Shipping carton box 25	1310 mm x 155 mm x 160 mm	5663.00 g	32.49 dm <sup>3</sup>
4058075512160	Shipping carton box 25	710 mm x 155 mm x 160 mm	3355.00 g	17.61 dm <sup>3</sup>
4058075512221	Shipping carton box 25	1310 mm x 155 mm x 160 mm	5663.00 g	32.49 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.

#### DISCLAIMER

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