

## SubstiTUBE EXT Advanced

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### Tubular LED lamps



- Sophisticated illumination within ambient temperatures from  $-25...+60$  °C
- Basic office illumination
- Illumination of production areas
- Storage rooms
- Logistics areas, transport facilities and corridors
- For professional LED luminaires, no need for expensive redesigns
- Applications with long operating times and difficult access for maintenance

### Product benefits

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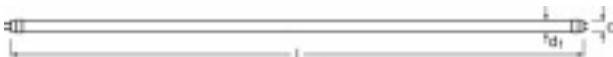
- Energy savings of up to 60% (compared to T8 fluorescent lamp on CCG)
- Maximum resistance to switching loads
- Correct operation even at low temperatures
- Instant 100 % light, no warm-up time
- Extremely break resistant thanks to aluminum heat sink and polycarbonate cover

### Product features

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- Uniform illumination
- Two-stage dimming in combination with OTe family
- Wide beam angle:  $120^{\circ}$
- Mercury-free and RoHS compliant
- Type of protection: IP20





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*Product line drawing with letters*

ST8-EA2 -104-830 | ST8-EA2 -115-840 | ST8-EA2 -115-850 |  
ST8-EA4 -230-830 | ST8-EA4 -256-840 | ST8-EA4 -256-850 |  
ST8-EA5 -288-830 | ST8-EA5 -320-840 | ST8-EA5 -320-850

## Technical data

Product description	Base (standard designation)	Light color as per EN 12464-1	Beam angle	Nominal wattage	Nominal voltage	Nominal current
ST8-EA2 -104-830	G13	Warm White	120 °	11.50 W	33.00 V	0.35 A
ST8-EA2 -115-840	G13	Cool White	120 °	11.50 W	33.00 V	0.35 A
ST8-EA2 -115-850	G13	Daylight	120 °	11.50 W	33.00 V	0.35 A
ST8-EA4 -230-830		Warm White	120 °	25.50 W	36.00 V	0.70 A
ST8-EA4 -256-840		Cool White	120 °	25.50 W	36.00 V	0.70 A
ST8-EA4 -256-850		Daylight	120 °	25.50 W	36.00 V	0.70 A
ST8-EA5 -288-830		Warm White	120 °	32.00 W	46.00 V	0.70 A
ST8-EA5 -320-840		Cool White	120 °	32.00 W	46.00 V	0.70 A
ST8-EA5 -320-850		Daylight	120 °	32.00 W	46.00 V	0.70 A

Product description	Ambient temperature range	Temperature range in operation	Base diameter	Product weight	Dimmable	Type of protection
ST8-EA2 -104-830	-25...+60 °C	-25...75 °C <sup>1)</sup>	28.0 mm	150.00 g	Yes <sup>2)</sup>	IP20
ST8-EA2 -115-840	-25...+60 °C	-25...75 °C <sup>1)</sup>	28.0 mm	150.00 g	Yes <sup>2)</sup>	IP20
ST8-EA2 -115-850	-25...+60 °C	-25...75 °C <sup>1)</sup>	28.0 mm	150.00 g	Yes <sup>2)</sup>	IP20
ST8-EA4 -230-830	-25...+60 °C	-25...75 °C <sup>1)</sup>	28.0 mm	290.00 g		IP20
ST8-EA4 -256-840	-25...+60 °C	-25...75 °C <sup>1)</sup>	28.0 mm	290.00 g		IP20
ST8-EA4 -256-850	-25...+60 °C	-25...75 °C <sup>1)</sup>	28.0 mm	290.00 g		IP20

ST8-EA5 -288-830	-25...+60 °C	-25...75 °C <sup>1)</sup>	28.0 mm	370.00 g	IP20
ST8-EA5 -320-840	-25...+60 °C	-25...75 °C <sup>1)</sup>	28.0 mm	370.00 g	IP20
ST8-EA5 -320-850	-25...+60 °C	-25...75 °C <sup>1)</sup>	28.0 mm	370.00 g	IP20

Product description	Diameter	Mercury-free	ILCOS
ST8-EA2 -104-830	27.0 mm	Yes	DR-12/30/1B-G13-26/590
ST8-EA2 -115-840	27.0 mm	Yes	DR-12/40/1B-G13-26/590
ST8-EA2 -115-850	27.0 mm		DR-12/50/1B-G13-26/590
ST8-EA4 -230-830	27.0 mm	Yes	DR-26/30/1B-G13-26/1200
ST8-EA4 -256-840	27.0 mm	Yes	DR-26/40/1B-G13-26/1200
ST8-EA4 -256-850	27.0 mm	Yes	DR-26/50/1B-G13-26/1200
ST8-EA5 -288-830	27.0 mm		DR-32/30/1B-G13-26/1500
ST8-EA5 -320-840	27.0 mm		DR-32/40/1B-G13-26/1500
ST8-EA5 -320-850	27.0 mm		DR-32/50/1B-G13-26/1500

<sup>1)</sup> At the T<sub>c</sub> point

<sup>2)</sup> with OPTOTRONIC dimmers

## Equipment / Accessories

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- For operation with suitable OPTOTRONIC control gears

## Safety advice

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Rewiring of the luminaire to be carried out by qualified personnel only.

Not suitable for operation with line voltage.

Maximum operating current (SubstiTUBE EXT Advanced ST8-EA4 / ST8-EA5): 700 mA DC

Maximum operating current (SubstiTUBE EXT Advanced ST8-EA2): 350 mA DC

## Application advice

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

## References / Links

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For current information see

- ▶ [www.osram.com/substitube](http://www.osram.com/substitube)

## Disclaimer

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