PRODUCT DATASHEET
ST8B-AC 9 W/6500 K 600 mm

Starters for single operation at 230 V AC (ST 111, ST 171, ST 173) | Starters for single operation at 230 V AC

Areas of application

- General illumination within ambient temperatures from -20…+45 °C
- Cooling and storage rooms
- Corridors, stairways, parking garages
- Ideal for simple lighting tasks

Product benefits

- Quick, simple and safe replacement without rewiring
- Low maintenance costs thanks to long lifetime
- Energy savings of up to 65 % (compared to T8 fluorescent lamp on CCG)
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Very high resistance to switching loads
- Also suitable for operation at low temperatures

Product features

- Uniform illumination
- Wide beam angle: 160° (1.2 m), 150° (1.5 m)
- Integrated ECG with high power factor
- Mercury-free and RoHS compliant
- Type of protection: IP20
- LED alternative to classic T8 fluorescent lamps

TECHNICAL DATA

Electrical data

Nominal wattage	9 W
Construction wattage	9.00 W
Nominal voltage	220…240 V
Claimed equiv. conventional lamp power	18 W
Nominal current	65 mA
Type of current	AC
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz

Photometrical data

Luminous flux	800 lm
Nominal useful luminous flux 90°	800 lm
Luminous efficacy	88 lm/W
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	≥80
Light color	865
Standard deviation of color matching	≤6 sdcm

Light technical data

Beam angle	180 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	604.00 mm
Diameter	28.00 mm
Product weight	95.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C
Maximum temperature at tc test point	75 °C

Lifespan

Number of switching cycles	100000

Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg
Product remark	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

Capabilities

Dimmable	No

Certificates & Standards

Type of protection	IP20
Standards	EAC
Photobiological safety group acc. to EN62778	RG0

Country-specific categorizations

Order reference	ST8B-0.6M 9W/86

LOGISTICAL DATA

Temperature range at storage	-20…+80 °C

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	604.00 mm
Height	28.00 mm
Width	28.00 mm

Safety advice

– Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.
– Not suitable for operation with electronic control gear.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075377509	Sleeve 1	610 mm x 28 mm x 28 mm	131.00 g	0.49 dm^3
4058075377516	Shipping box 25	660 mm x 155 mm x 160 mm	3731.00 g	16.37 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.

References / Links

– For current information see www.ledvance.com/substitube

Legal advice

– When used to replace a T8 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system.

DISCLAIMER

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