

# Product datasheet

## ST8MS-EM 20.6 W/840 1500 mm

**SubstiTUBE Motion Sensor | High performance LED tubes with integrated microwave sensor for electromagnetic control gears, shatterproof**



- General illumination within ambient temperatures from -20...+50 °C Corridors, stairways, parking garages  
Warehouses Walkways and corridors Storage rooms  
Logistics areas, transport facilities and corridors Car parks

- Energy savings of up to 90 % compared to conventional fluorescent lamp Quick, simple and safe replacement of fluorescent lamps without rewiring the CCG No bending thanks to glass technology Shatter protection thanks to special PET coating Support the implementation of the HACCP concepts from production through to presentation Very high resistance to switching loads Suitable for closed luminaires thanks to microwave technology Also suitable for operation at low temperatures



## Product datasheet

### Technical data

#### Electrical data

Max. lamp no. on circuit break. 10 A (B)	47
Max. lamp no. on circuit break. 16 A (B)	76
Rated wattage	20.60 W
Operating frequency	50...60 Hz
Nominal wattage	20.60 W
Nominal voltage	220...240 V
Nominal current	0.095 A
Claimed equiv. conventional lamp power	58 W

#### Photometrical data

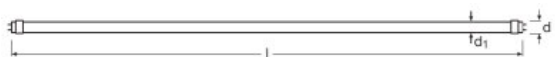
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Rated luminous flux	3100 lm
Nominal luminous flux	3100 lm
Rated color temperature	4000 K
Color rendering index Ra	83
Color temperature	4000 K
Light color (designation)	Cool White
Luminous flux	3100 lm
Lumen main.fact.at end of nom.life time	0.70

#### Light technical data

Beam angle	190 ° <sup>1)</sup>
Starting time	< 0.5 s

<sup>1)</sup> ZMP\_110132

#### Dimensions & weight



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Product weight	275.00 g
Length	1513 mm
Outer bulb	T8
Overall length	1513 mm
Diameter	26.7 mm

### Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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### Lifespan

Nominal lamp life time	50000 h
Rated lamp life time	50000 h
Lumen maintenance at end of service life	0.70
Number of switching cycles	200000

### Additional product data

Appropriate disposal acc. to WEEE	Yes
Mercury content	0.0 mg
Mercury-free	Yes
Base (standard designation)	G13

### Capabilities

Dimmable	No
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### Certificates & standards

Energy efficiency class	A++
Energy consumption	21 kWh/1000h
Type of protection	IP20

### Country specific categorizations

Order reference	ST8MS-1.5M 20,6
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## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075292451	ST8MS-EM 20.6 W/840 1500 mm	Shipping carton box 8 Pieces Sleeves	1660 mm x 182 mm x 125 mm	37.77 dm <sup>3</sup>	2830.00 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.

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