PRODUCT DATASHEET
ST8S-EM 16 W/4000 1200 mm

LED STAR+ MOTION SENSOR T8 | LED tube with integrated motion sensor

AREAS OF APPLICATION

– Corridors, stairways, parking garages
– Warehouses

PRODUCT BENEFITS

– Integrated motion sensor with motion dependend dimming function
– Short payback period thanks to low energy consumption and maintenance costs
– Energy savings of up to 70 % compared to conventional T8 fluorescent lamp
– No bending thanks to glass technology
– Two year guarantee
– Instant flickerfree starting

PRODUCT FEATURES

– LED alternative to classic T8 fluorescent lamps in CCG luminaires
– Luminous efficacy: up to 100 lm/W
– Two step dimming: 30 % and 100 % light output
– Lifetime: up to 30,000 h
– High color consistency: $\leq$ 6 SDCM
– Color rendering index R_a: $\geq$ 80

– Bright, robust and durable
– Uniform illumination

TECHNICAL DATA

Electrical data

Nominal wattage	16.00 W
Rated wattage	16.00 W
Nominal voltage	220...240 V
Nominal current	0.075 A
Power factor λ	0.90

Photometrical data

Light color (designation)	Cool White
Rated color temperature	4000 K
Nominal luminous flux	1600 lm
Rated luminous flux	1600 lm
Color rendering index Ra	80
Lumen main.fact.at end of nom.life time	0.70
Color temperature	4000 K
Luminous flux	1600 lm
Color rendering index Ra	80
Standard deviation of color matching	≤6 sdcm

Light technical data

Starting time	< 1.0 s
Warm-up time (60 %)	< 1.00 s
Rated beam angle (half peak value)	200.00 °

Dimensions & weight
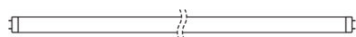
Product weight	220.00 g

Overall length	1212 mm

Temperatures & operating conditions

Ambient temperature range	-10...45 °C

Lifespan

Nominal lamp life time	30000 h
Rated lamp life time	30000 h
Number of switching cycles	50000

Additional product data

Base (standard designation)	G13
Mercury-free	Yes

Capabilities

Dimmable	Yes

Certificates & standards

Energy efficiency class	A+
Energy efficiency class	A+
Energy consumption	18 kWh/1000h

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Country-specific categorizations

Order reference	ST8S-1.2M 16W/8

Logistical data

Temperature range at storage	-20...80 °C

EQUIPMENT / ACCESSORIES

– Suitable for operation on conventional control gear

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075067035	ST8S-EM 16 W/4000 1200 mm	Shipping carton box 25	1360 mm x 225 mm x 235 mm	71.91 dm³	8316.00 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.

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.

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