

# PRODUCT DATASHEET

## ST8AU-CON 16 W/6500K 1200 mm

SubstiTUBE Connected Advance Ultra Output | LED tubes for electromagnetic control gears



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### AREAS OF APPLICATION

- Applications with long operating times and difficult access for maintenance
- Corridors, stairways, parking garages
- Car parks
- Offices, public buildings
- SubstiTUBE Advanced Ultra Output Connected can be only operated with LEDVANCE Connected sensor

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### PRODUCT BENEFITS

- Easy to install and use
- Extremely durable: up to 200,000 switching cycles
- No bending thanks to glass technology

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### PRODUCT FEATURES

- Network protocol: ZigBee 3.0
- LED lamp with wireless smart lighting function
- Lifetime: up to 50,000 h
- Operating temperature: -20...50 °C



**TECHNICAL DATA**

Electrical data

Rated wattage	16.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal wattage	16.00 W
Nominal current	0.073 A
Type of current	AC
Power factor $\lambda$	> 0.90

Photometrical data

Rated color temperature	6500 K
Nominal luminous flux	2400 lm
Rated luminous flux	2400 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Luminous flux	2400 lm
Color rendering index Ra	83
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>

Light technical data

Starting time	< 0.5 s
Warm-up time (60 %)	< 2.00 s
Rated beam angle (half peak value)	160.00 °

Dimensions & weight



Length with base excl. base pins/connection	1200.00 mm
Tube diameter	26.5 mm

<b>Base diameter</b>	28.0 mm
<b>Product weight</b>	214.00 g
<b>Overall length</b>	1213 mm

#### Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
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#### Lifespan

<b>Lifespan</b>	50000 h
<b>Nominal lamp life time</b>	50000 h
<b>Rated lamp life time</b>	50000 h
<b>Number of switching cycles</b>	200000

#### Additional product data

<b>Base (standard designation)</b>	G13
<b>Product remark</b>	When used to replace a T8 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system/Not usable in luminaires with serial lamp connection, i.e. more than one tube at one magnetic ballast (tandem circuitry)

#### Capabilities

<b>Dimmable</b>	No
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#### Certificates & standards

<b>Type of protection</b>	IP20
<b>Standards</b>	CE
<b>Energy efficiency class</b>	A++
<b>Energy consumption</b>	16 kWh/1000h

#### Country-specific categorizations

<b>Order reference</b>	ST8AU-1.2M 16W/
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#### Logistical data

<b>Temperature range at storage</b>	-20...+80 °C
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#### SAFETY ADVICE

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

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
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4058075187399	Sleeves 1	1305 mm x 29 mm x 29 mm	243.00 g	1.10 dm <sup>3</sup>
4058075187405	Shipping carton box 10	1352 mm x 210 mm x 115 mm	3121.00 g	32.65 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.

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#### DISCLAIMER

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