

# PRODUCT DATASHEET

## SubstiTUBE T8 EM CON Advanced Ultra Ouput 7.5 W/4000 K 600 mm

SubstiTUBE® Connected Advanced Ultra Output | LED tubes for electromagnetic control gears



### Areas of application

- General illumination within ambient temperatures from -20...+50 °C
- Parking lots, warehouses, production areas, stairways
- Industry
- Offices

### Product benefits

- No bending thanks to glass technology
- Shatter protection thanks to special PET coating
- Short payback period thanks to low energy consumption and maintenance costs

### Product features

- Network protocol: ZigBee 3.0 (2.4 GHz mesh network)
- Connected tube can be only operated with Connected sensor
- Dimmable only with LEDVANCE Connected Sensor



## TECHNICAL DATA

### Electrical data

Nominal wattage	7.5 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	18 W
Nominal current	38 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor $\lambda$	> 0,90

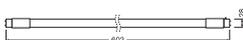
### Photometrical data

Luminous flux	1100 lm
Luminous efficacy	146 lm/W
Lumen main.fact.at end of nom.li	0.70
Light color	840
Color temperature	4000 K
Color rendering index Ra	83
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>

### Light technical data

Beam angle	160 °
Warm-up time (60 %)	< 2.00 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	160.00 °

### Dimensions & weight



Overall length	603.00 mm
Length	603.00 mm
Length with base excl. base pins/connection	590,00 mm
Diameter	28.00 mm

Tube diameter	26,5 mm
Base diameter	28,0 mm
Maximum diameter	28 mm
Product weight	117.00 g

### Temperatures & operating conditions

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

Nominal lamp life time	50000 h
Number of switching cycles	200000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

### Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg

### Capabilities

Dimmable	No
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### Certificates & standards

Energy efficiency class	A++ 1)
Energy consumption	8.00 kWh/1000h
Type of protection	IP20
Standards	CE

1) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

### Country-specific categorizations

Order reference	ST8AU-0.6M 7,5W
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### LOGISTICAL DATA

Temperature range at storage	-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.

## DOWNLOAD DATA

DOWNLOAD DATA	
	Addon Technical Information Extended Product Information Sheet of SubstiTUBE Connected
	Certificates 20 02 0108 28.02.2020
	Certificates EAEC N RU D-DE.MYu62.B.00934 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.01362 20 31.03.2020-30.03.2025
	Certificates RU C-RU.AJa46.B.84344 07.03.2018-09.03.2022

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075187337	Sleeve 1	695 mm x 29 mm x 29 mm	135.00 g	0.58 dm <sup>3</sup>
4058075187344	Shipping box 10	742 mm x 210 mm x 115 mm	1779.00 g	17.92 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.

## DISCLAIMER

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