PRODUCT DATASHEET
SMART+ WiFi Tube T8EM 1200 18W 865

SMART+ Tubes with WiFi technology | SMART+ Tubes with WiFi technology

Areas of application

- General illumination
- Residential interiors
- Professional (hotels, bars, boutiques etc.)
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Wireless control via app
- Easy to install and use
- Contains no mercury
- Lower energy consumption than incandescent or halogen lamps

Product features

- Controllable via LEDVANCE SMART+ App (with minimum Android 8.0 or iOS 14.0)
- Controllable via Google Assistant and Amazon Alexa possible
- Network protocol: WiFi
- Lifetime up to 50,000 h
- Adjustable light color via Tunable White: Warm White to Cool White (2,700 K…6,500 K)

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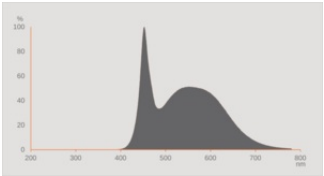
TECHNICAL DATA

Electrical data

Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220…240 V
Nominal current	150 mA
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Power factor λ	≥ 0.50
Claimed equiv. conventional lamp power	36 W
Operating mode	AC Mains

Photometrical data

Light color (designation)	Tunable White
Lumen main.fact.at end of nom.life time	0.70
Standard deviation of color matching	≤6 sdcm
Nominal luminous flux	2300 lm
Luminous flux	2300 lm
Luminous efficacy	127 lm/W
Adjustable color temperature	2700…6500 K
Color temperature	2700…6500 K
Color rendering index Ra	83
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



LISO spectral power distribution 6500K CRI80 v1

Light technical data

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Beam angle	160 °
Starting time	< 0.5 s
Warm-up time (60 %)	‹ 0.50 s

Dimensions & Weight

Product weight	221.00 g
Diameter	27.00 mm
Length	1213.00 mm
Width	27.00 mm
Height	27.00 mm
Outer bulb [PICOS]	T8

Lifespan

Number of switching cycles	200000
Lifespan	50000 h

Colors & materials

Product color	White
Housing color	White
Body material	Glass with shatter protection

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C

Additional product data

Mercury-free	Yes
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
Base (standard designation)	G13

Capabilities

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Dimmable	Yes [1)]
Compatible smart home technology	Amazon Alexa / Google Assistant

1) Via App

Certificates & Standards

Energy efficiency class	E [1)]
Energy consumption	18.00 kWh/1000h
Standards	CE
Type of protection	IP20

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

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	G13
Connected light source (CLS)	Yes
Color-tuneable light source	Yes
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	RANGE
Standby power	<0.5 W
Networked standby power for CLS	<0.5 W
Claim of equivalent power	Yes
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.70
LED light source replaces a fluorescent light source	Yes
EPREL ID	715350
Model number	AC35122

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EQUIPMENT / ACCESSORIES

– For control via LEDVANCE SMART+ App, a smartphone or tablet is required (with minimum Android 8.0 or iOS 14.0)

Safety advice

– Do not touch the lamp if broken.
– Must not be used if outer bulb is defective.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Extended installation guide	SMART+ WIFI TUBE T8
PDF	Declarations of conformity	SMART WIFI LEDTUBE T8 EM 865 TW
PDF	EU Data Act	SMART WiFi Lamps and Luminaires

	Photometric and lighting design files	Document name
	Spectral power distribution	LISO spectral power distribution 6500K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075626232	Folding box 1	27 mm x 27 mm x 1,310 mm	298.00 g	0.95 dm^3
4058075626249	Shipping box 10	1,365 mm x 185 mm x 118 mm	3600.00 g	29.80 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

– Further information and frequently asked questions (FAQs) at www.ledvance.com/consumer/smart/faq

DISCLAIMER

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