

PRODUCT DATASHEET HE 21 W/865

LUMILUX® T5 HE® | Tubular fluorescent lamps 16 mm, high efficiency, with G5 base



Areas of application

- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Industry
- Outdoor applications only in suitable luminaires

Product benefits

- Up to 20 % more economical than LUMILUX® T8

Product features

- Very good lumen maintenance: 90 % throughout the service lifetime of the lamp
- Good color rendering index
- Dimmable



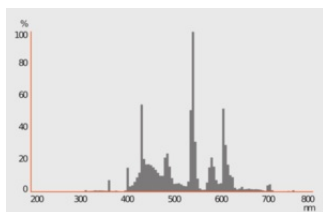
TECHNICAL DATA

Electrical data

Nominal wattage	21 W
Construction wattage	21.00 W
Nominal voltage	220 V
Rated lamp efficacy (HF data 25 °C)	85

Photometrical data

Luminous flux	1750 lm
Luminous efficacy	83 lm/W
Luminous flux at 25 °C	1750 lm
Luminous flux at 35 °C	2000 lm
Light color (designation)	LUMILUX Cool Daylight
Color temperature	6500 K
Color rendering index Ra	≥80
Light color	865
Rated LLMF at 2,000 h	0.95
Rated LLMF at 4,000 h	0.92
Rated LLMF at 6,000 h	0.91
Rated LLMF at 8,000 h	0.90
Rated LLMF at 12,000 h	0.90
Rated LLMF at 16,000 h	0.90
Rated LLMF at 20,000 h	0.89
Rated lamp efficacy (HF data 25 °C)	85



Dimensions & Weight

Overall length	849.00 mm
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Length with base excl. base pins/connection	849,00 mm
Diameter	16,0 mm
Tube diameter	16 mm
Maximum diameter	16 mm
Product weight	65.00 g

Temperatures & operating conditions

Rated ambient temp.w.max.luminous	35.0 °C
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Lifespan

Lifespan	24000 h
Service life	19000 h ¹⁾
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000	0.99
Rated lamp survival factor at 6,000	0.99
Rated lamp survival factor at 8,000 h	0.99
Rated lamp survival factor at 12,000 h	0.99
Rated lamp survival factor at 16,000	0.97
Rated lamp survival factor at 20,000 h	0.85
Operation mode LLMF/LSF	HF

¹⁾ With preheat ECG

Additional product data

Base (standard designation)	G5
Mercury content	1.2 mg
Product remark	Suitable for ECG operation only / Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C

Capabilities

Suitable for indoor	Yes
Dimmable	Yes

Certificates & Standards

Energy efficiency class	A+
Energy consumption	22.66 kWh/1000h

Country-specific categorizations

ILCOS	FDH-21/865-L/P/-G5-16/849
Order reference	HE 21W/865

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LFL_T5_HE
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	G5
Envelope	No
Length	849.00 mm
Height	16,0 mm
Width	16,0 mm
Beam angle correspondence	SPHERE_360

Safety advice

– In case of lamp breakage: www.ledvance.com/brokenlamp

DOWNLOAD DATA

Photometric and lighting design files



Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300464626	Unpacked 1	859 mm x 16 mm x 17 mm	81.40 g	0.23 dm ³
4050300464633	Shipping box 40	896 mm x 199 mm x 87 mm	2968.00 g	15.51 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.

DISCLAIMER

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