PRODUCT DATASHEET
HE 28 W/827

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





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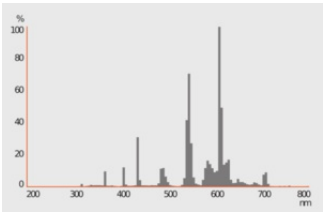
TECHNICAL DATA

Electrical data

Nominal wattage	28 W
Construction wattage	27.90 W
Nominal voltage	220 V
Rated lamp efficacy (HF data 25 °C)	93

Photometrical data

Luminous flux	2600 lm
Luminous efficacy	93 lm/W
Luminous flux at 25 °C	2600 lm
Luminous flux at 35 °C	2900 lm
Light color (designation)	LUMILUX INTERNA
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Rated LLMF at 2,000 h	0.95
Rated LLMF at 4,000 h	0.93
Rated LLMF at 6,000 h	0.92
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)	93



Dimensions & Weight

Overall length	1149.00 mm

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Length with base excl. base pins/connection	1149 mm
Diameter	16,0 mm
Tube diameter	16 mm
Maximum diameter	16 mm
Product weight	90.00 g

Temperatures & operating conditions

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

Lifespan

Nominal lamp life time	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	F
Energy consumption	30.69 kWh/1000h

Country-specific categorizations

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ILCOS	FDH-28/827-L/P/-G5-16/1149
Order reference	HE 28W/827

Energy labellling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G5
Length	1149.00 mm
Height	16,0 mm
Width	16,0 mm

Safety advice

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

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	Advertisements 333819_Light in its third dimension.The biological aspect of lighting design for better
PDF	Advertisements 335262_Light color and lumen overview / Lichtfarben- und Lumenübersicht
PDF	Advertisements 333507_SKYWHITE-en
PDF	Advertisements 333527_LUMILUX T5

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300646015	Unpacked 1	1,163 mm x 16 mm x 16 mm	122.00 g	0.30 dm^3
4050300646022	Shipping box 40	1,194 mm x 199 mm x 87 mm	4222.00 g	20.67 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.

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