

PRODUCT DATASHEET HE 14 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





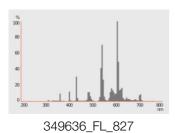
TECHNICAL DATA

Electrical data

Nominal wattage	14 W
Construction wattage	13.90 W
Nominal voltage	86 V
Nominal current	170 mA

Photometrical data

Luminous flux	1350 lm
Luminous efficacy	97 lm/W
Luminous flux at 35 °C	1350 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	0.92
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



Dimensions & Weight

Overall length	563.20 mm
Length with base excl. base pins/connection	549,00 mm
Diameter	16,0 mm

Tube diameter	16 mm
Product weight	44.26 g
ifespan	
Service life	19000 h ¹⁾
Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.99
Rated lamp survival factor at 6,000 h	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
Lifespan B50	24000 h
Base (standard designation)	G5
Additional product data	
Mercury content	1.5 mg
Product remark	Suitable for ECG operation only / Lamp designed for internal luminaire temperatures of 3040 °C; optimum luminous flux achieved at 35 °C
Capabilities	
Dimmable	Yes
Certificates & Standards	
Energy efficiency class	F
Energy consumption	14.00 kWh/1000h
Country-specific categorizations	
ILCOS	FDH-14/827-L/P/-G5-16/549
Order reference	HE 14W/827
Energy labelling regulation data acc EU 2019/20	15
Lighting technology used	LFL_T5_HE
Non-directional or directional	NDLS

NMLS

Mains or non-mains

Light source cap-type (or other electric interface)	G5
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	No
Claim of equivalent power Length	No 563.20 mm
Length	563.20 mm
Length Height	563.20 mm 16,0 mm
Length Height Width	563.20 mm 16,0 mm 16,0 mm
Length Height Width Beam angle correspondence	563.20 mm 16,0 mm 16,0 mm SPHERE_360

Safety advice

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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4077889-EN-00 - T5 HE HO
PDF	Certificates	EAC RU C-DE HA10.B.00671 16 08 2018 15 07 2023 Expert Sertifikaciya FL
PDF	Certificates	EAC N RU D-DE.MU62.B.00801_20 02.03.2020-01.03.2025 Prommash Test - FL

Photometric and lighting design files	Document name
Spectral power distribution	349636_FL_827

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321916020	Sleeve 1	610 mm x 46 mm x 17 mm	68.00 g	0.48 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321912169	Shipping box 10	633 mm x 232 mm x 46 mm	959.00 g	6.76 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.