

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





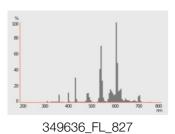
TECHNICAL DATA

Electrical data

Nominal wattage	28 W
Construction wattage	28.30 W
Nominal voltage	166 V
Nominal current	0.17 A

Photometrical data

Luminous flux	2800 lm
Luminous efficacy	99 lm/W
Luminous flux at 35 °C	2800 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



Dimensions & Weight

Overall length	1163.20 mm
Length with base excl. base pins/connection	1149 mm
Diameter	16,0 mm

Tube diameter	16 mm		
Product weight	88.02 g		
Lifespan			
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		
Welculy Content	Suitable for ECG operation only / Lamp designed for internal luminaire		
Product remark	temperatures of 3040 °C; optimum luminous flux achieved at 35 °C		
Capabilities			
Japaniiues			
Dimmable	Yes		
Dimmable	Yes		
Dimmable	Yes		
Dimmable Certificates & Standards			
Dimmable Certificates & Standards Energy efficiency class	F		
Dimmable Certificates & Standards Energy efficiency class Energy consumption	F		
Dimmable Certificates & Standards Energy efficiency class Energy consumption Country-specific categorizations	F 29.00 kWh/1000h		
Dimmable Certificates & Standards Energy efficiency class Energy consumption Country-specific categorizations ILCOS	F 29.00 kWh/1000h FDH-28/827-L/P/-G5-16/1149		
Dimmable Certificates & Standards Energy efficiency class Energy consumption Country-specific categorizations ILCOS Order reference	F 29.00 kWh/1000h FDH-28/827-L/P/-G5-16/1149		

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
Length	1163.20 mm
Height	16,0 mm
Width	16,0 mm
Chromaticity coordinate x	0,463
Chromaticity coordinate y	0,420
Beam angle correspondence	SPHERE_360
EPREL ID	546269
Model number	AC34033

Safety advice

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

DOWNLOAD DATA

	Documents and certificates	Document name		
POF	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		
POF	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
4050300645995	Sleeve 1	1,164 mm x 18 mm x 18 mm	127.00 g	0.38 dm ³
4050300646008	Shipping box 20	1,191 mm x 104 mm x 88 mm	2712.50 g	10.90 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.