

# PRODUCT DATASHEET HE 21 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





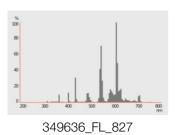
## TECHNICAL DATA

## Electrical data

Nominal wattage	21 W
Construction wattage	20.70 W
Nominal voltage	126 V
Nominal current	170 mA

## Photometrical data

Luminous efficacy   97 Im/W     Luminous flux at 25 °C   Array     Luminous flux at 35 °C   2000 Im     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 12,000 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   0.90     Rated LLMF at 20,000 h   0.90		
Luminous flux at 25 °C Array   Luminous flux at 35 °C 2000 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	Luminous flux	2000 lm
Luminous flux at 35 °C 2000 Im   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	Luminous efficacy	97 lm/W
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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	Color rendering index Ra	≥80
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	Light color	827
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 2,000 h	0.95
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 4,000 h	0.92
Rated LLMF at 12,000 h   0.90     Rated LLMF at 16,000 h   0.90	Rated LLMF at 6,000 h	0.91
Rated LLMF at 16,000 h 0.90	Rated LLMF at 8,000 h	0.90
	Rated LLMF at 12,000 h	0.90
Rated LLMF at 20,000 h 0.89	Rated LLMF at 16,000 h	0.90
	Rated LLMF at 20,000 h	0.89



## Dimensions & Weight

Overall length	863.20 mm
Length with base excl. base pins/connection	849,00 mm

Diameter	16,0 mm
Tube diameter	16 mm
Product weight	70.92 g

## Lifespan

Service life	19000 h <sup>1)</sup>
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

<sup>1)</sup> With preheat ECG

## Additional product data

Base (standard designation)	G5
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

## Certificates & Standards

Energy efficiency class	F
Energy consumption	21.00 kWh/1000h

## Country-specific categorizations

ILCOS	FDH-21/827-L/P/-G5-16/849
Order reference	HE 21W/827

# 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
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	863.20 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	546265
Model number	AC34029

# 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
POF	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
4008321912138	Sleeve 1	910 mm x 46 mm x 17 mm	103.00 g	0.71 dm <sup>3</sup>
4008321912145	Shipping box 10	933 mm x 232 mm x 46 mm	1394.00 g	9.96 dm <sup>3</sup>

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.