

PRODUCT DATASHEET HE 21 W/840

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





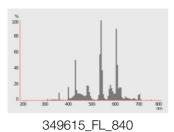
TECHNICAL DATA

Electrical data

Nominal wattage	21 W
Construction wattage	20.70 W
Nominal voltage	126 V
Nominal current	0.17 A

Photometrical data

Luminous flux	2000 lm
Luminous efficacy	97 lm/W
Luminous flux at 35 °C	2000 lm
Light color (designation)	LUMILUX Cool White
Color temperature	4000 K
Color rendering index Ra	≥80
Light color	840
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	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 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			
1) 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			
Dimmable	Yes		
Certificates & Standards			
Energy efficiency class	F		
Energy consumption	21.00 kWh/1000h		
Country-specific categorizations			
ILCOS	FDH-21/840-L/P/-G5-16/849		
Order reference	HE 21W/840		
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	0,380
Chromaticity coordinate y	0,380
Beam angle correspondence	SPHERE_360
EPREL ID	546267

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 N RU D-DE.MU62.B.00801_20 02.03.2020-01.03.2025 Prommash Test - FL		
PDF	Certificates	EAC RU C-DE HA10.B.00671 16 08 2018 15 07 2023 Expert Sertifikaciya FL		
	Photometric and lighting desig	n files Document name		
	Spectral power distribution	349615_FL_840		

LOGISTICAL DATA

Product code Packagin	unit (Pieces/Unit) Dimensions (length x width x h	eight) Gross weight Volume
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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300591407	Sleeve 1	18 mm x 18 mm x 863 mm	80.86 g	0.28 dm ³
4050300464701	Unpacked 1	863 mm x 16 mm x 16 mm	81.63 g	0.22 dm ³
4050300591414	Shipping box 20	891 mm x 104 mm x 88 mm	2134.00 g	8.16 dm ³
4050300464718	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.