

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





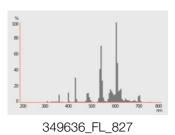
TECHNICAL DATA

Electrical data

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

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 |
| 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 at 25 °C | Array |
| 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 at 35 °C | 2000 lm |
| 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 | Light color (designation) | LUMILUX INTERNA |
| 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 | Color temperature | 2700 K |
| 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 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

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 |
|-----|-------------------------------|--|
| 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 |
| | Dhakarakia and Kabkia a daria | - Flan |

| 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 ³ |
| 4008321912145 | Shipping box 10 | 933 mm x 232 mm x 46 mm | 1394.00 g | 9.96 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.