

PRODUCT DATASHEET HO 80 W/830

LUMILUX® T5 HO | Tubular fluorescent lamps 16 mm, high output, with G5 base



Areas of application

- Industry
- Public buildings
- Offices
- Tunnels, underpasses
- Car parks
- 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





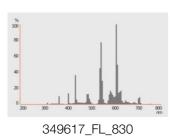
TECHNICAL DATA

Electrical data

| Nominal wattage | 80 W |
|----------------------|---------|
| Construction wattage | 80.40 W |
| Nominal voltage | 152 V |
| Nominal current | 0.53 A |

Photometrical data

| Luminous flux | 7000 lm |
|---------------------------|--------------------|
| Luminous efficacy | 87 lm/W |
| Luminous flux at 35 °C | 7000 lm |
| Light color (designation) | LUMILUX Warm White |
| Color temperature | 3000 K |
| Color rendering index Ra | ≥80 |
| Light color | 830 |
| 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 | 1463.20 mm |
|---|------------|
| Length with base excl. base pins/connection | 1449 mm |
| Diameter | 16,0 mm |

| Tule e diameter | 10 mag | | |
|--|---|--|--|
| Tube diameter | 16 mm | | |
| Product weight | 116.45 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 | 2.0 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 | | |
| | Yes | | |
| | Yes G | | |
| Certificates & Standards | | | |
| Certificates & Standards Energy efficiency class Energy consumption | G | | |
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| Certificates & Standards Energy efficiency class Energy consumption Country-specific categorizations | G 81.00 kWh/1000h | | |
| Certificates & Standards Energy efficiency class Energy consumption Country-specific categorizations ILCOS | G 81.00 kWh/1000h FDH-80/830-L/P/-G5-16/1449 | | |
| Energy efficiency class Energy consumption Country-specific categorizations ILCOS Order reference | G 81.00 kWh/1000h FDH-80/830-L/P/-G5-16/1449 | | |

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 | 1463.20 mm |
| Height | 16,0 mm |
| Width | 16,0 mm |
| Chromaticity coordinate x | 0,440 |
| Chromaticity coordinate y | 0,403 |
| Beam angle correspondence | SPHERE_360 |
| EPREL ID | 546300 |

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 | |
| PDF | Certificates | EAC N RU D-DE.MU62.B.00801_20 02.03.2020-01.03.2025 Prommash Test - FL | |
| | | | |
| | Photometric and lighting desig | n files Document name | |
| a | Spectral power distribution | 349617_FL_830 | |

LOGISTICAL DATA

| Product code Packagin | unit (Pieces/Unit) Dimensions (length x width x h | eight) Gross weight Volume |
|-----------------------|---|----------------------------|
|-----------------------|---|----------------------------|

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4050300515137 | Unpacked 1 | 1,463 mm x 16 mm x 16 mm | 115.00 g | 0.37 dm ³ |
| 4050300591827 | Sleeve 1 | 1,464 mm x 18 mm x 18 mm | 138.00 g | 0.47 dm ³ |
| 4050300515144 | Shipping box 40 | 1,496 mm x 199 mm x 87 mm | 5182.00 g | 25.90 dm ³ |
| 4050300591834 | Shipping box 20 | 1,511 mm x 104 mm x 88 mm | 3058.00 g | 13.83 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.