

PRODUCT DATASHEET

HO 24 W/840

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

- Excellent luminous flux
- Up to 20 % more economical than LUMILUX T8
- Up to 50 % smaller volume than comparable T8 lamps

PRODUCT FEATURES

- Very good lumen maintenance: 90 % throughout the service lifetime of the lamp
- Long average lifetime: up to 24,000 h (with QUICKTRONIC ECG)
- Good color rendering group: 1B (R_a : 80...89)
- Dimmable



TECHNICAL DATA

Electrical data

| | |
|-------------------------------------|---------|
| Nominal voltage | 77 V |
| Nominal wattage | 24.00 W |
| Rated lamp efficacy (HF data 25 °C) | 73 lm/W |
| Rated wattage | 22.50 W |

Photometrical data

| | |
|---------------------------|--------------------|
| Color rendering index Ra | ≥80 |
| Rated luminous flux | 1750 lm |
| Luminous flux at 25 °C | 1750 lm |
| Luminous flux at 35 °C | 2000 lm |
| Light color | 4000 |
| Rated color temperature | 4000 K |
| Nominal luminous flux | 1750 lm |
| Light color (designation) | LUMILUX Cool White |
| 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 |
| Color temperature | 4000 K |
| Luminous flux | 1750 lm |
| Color rendering index Ra | ≥80 |

Dimensions & weight



| | |
|---------------|-------|
| Tube diameter | 16 mm |
|---------------|-------|

| | |
|--|-----------|
| Length | 549.0 mm |
| Length with base excl. base pins/connection | 549.00 mm |
| Diameter | 16.0 mm |
| Maximum diameter | 16.0 mm |

Temperatures & operating conditions

| | |
|---|---------|
| Rated ambient temp.w.max.luminous flux | 35.0 °C |
|---|---------|

Lifespan

| | |
|---|-----------------------|
| Service life | 19000 h ¹⁾ |
| Lifespan | 24000 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 h | 0.97 |
| Rated lamp survival factor at 20,000 h | 0.85 |
| Operation mode LLMF/LSF | HF |
| Rated lamp life time | 24000 h |
| Nominal lamp life time | 24000 h |

¹⁾ With preheat ECG

Additional product data

| | |
|------------------------------------|--|
| Base (standard designation) | G5 |
| Mercury content | 1.7 mg |
| Show WEEE picto | Yes |
| Product remark | Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C |

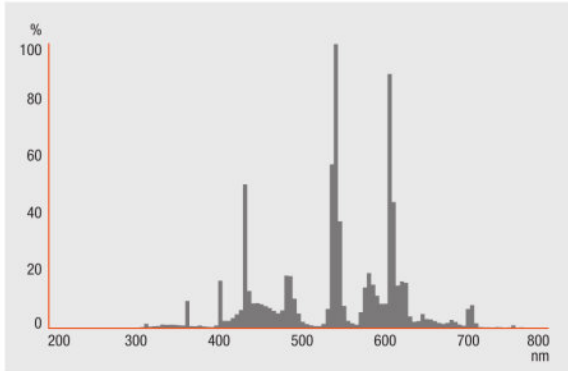
Capabilities

| | |
|----------------------------|-----|
| Dimmable | Yes |
| Suitable for indoor | Yes |

Certificates & standards

| | |
|--------------------------------|--------------|
| Energy efficiency class | A |
| Energy efficiency class | A |
| Energy consumption | 25 kWh/1000h |

Light Distribution



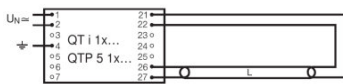
Spectral power distribution

SYSTEM GUARANTEE

- OSRAM System+ Guarantee in combination with OSRAM ECGs

SAFETY ADVICE

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



Circuit diagram



Circuit diagram

LOGISTICAL DATA

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|---------------------------------|---|----------------------|--------------|
| 4050300453477 | HO 24 W/840 | Shipping carton box 40 | 600 mm x 83 mm x 194 mm | 9.66 dm ³ | 2409.00 g |
| 4050300591643 | HO 24 W/840 | Shipping carton box 20 | 582 mm x 83 mm x 104 mm | 5.02 dm ³ | 1351.00 g |

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.

REFERENCES / LINKS

For more information on the system guarantee and the terms and conditions of the guarantee visit

▶ www.ledvance.com/system-guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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

| Product name | Product name ECG | EAN | Nominal current | Nominal wattage + Power loss | Luminous flux at 35 °C | Number of lighting outlets |
|--------------|--------------------------|---------------|-----------------|------------------------------|------------------------|----------------------------|
| HO 24 W/840 | QT-ECO 1x18-24/220-240 L | 4050300660417 | 0.15 A | 20.00 W | 1600 lm | 1 |
| | QT-ECO 1x18-24/220-240 S | 4050300638560 | 0.15 A | 20.00 W | 1600 lm | 1 |
| | QT-FIT 5/8 1x18-39 | 4008321873927 | 0.13 A | 28.00 W | 1750 lm | 1 |
| | QT-FIT 5/8 2x18-39 | 4008321873903 | 0.24 A | 53.00 W | 1750 lm | 2 |
| | QTi 1x14/24/21/39 GII | 4008321383334 | 0.12 A | 26.00 W | 1750 lm | 1 |
| | QTi 1x14/24 DIM | 4050300870922 | 0.11 A | 26.00 W | 1750 lm | 1 |
| | QTi 2x14/24/21/39 GII | 4008321383396 | 0.23 A | 50.00 W | 1750 lm | 2 |
| | QTi 2x14/24 DIM | 4050300870946 | 0.22 A | 50.00 W | 1750 lm | 2 |
| | QTi 3x14/24 DIM | 4008321069719 | 0.32 A | 74.00 W | 1750 lm | 3 |
| | QTi 4x14/24 DIM | 4008321069993 | 0.43 A | 98.00 W | 1750 lm | 4 |
| | QTi DALI 1x14/24 DIM | 4050300870380 | 0.11 A | 25.30 W | 1750 lm | 1 |
| | QTi DALI 2x14/24 DIM | 4050300870861 | 0.22 A | 49.30 W | 1750 lm | 2 |
| | QTi DALI 3x14/24 DIM | 4008321069955 | 0.32 A | 73.40 W | 1750 lm | 3 |
| | QTi DALI 4x14/24 DIM | 4008321070036 | 0.43 A | 97.60 W | 1750 lm | 4 |
| | QT-M 2x26-42/220-240 S | 4008321110022 | 0.23 A | 54.00 W | 1750 lm | 2 |
| | QTP-M 1x26-42 | 4008321329134 | 0.12 A | 25.00 W | 1750 lm | 1 |
| | QTP-M 2x26-32 | 4008321329158 | 0.23 A | 49.00 W | 1750 lm | 2 |
| | QTP-OPTIMAL 1x18-40 | 4008321873743 | 0.13 A | 28.00 W | 1750 lm | 1 |
| | QTP-OPTIMAL 2x18-40 | 4008321873767 | 0.24 A | 52.00 W | 1750 lm | 2 |