

HO CONSTANT 24 W/840

LUMILUX T5 HO CONSTANT | Tubular fluorescent lamps 16 mm, high output, Constant



Areas of application

- Industry
- Street lighting
- Ideal for extreme temperature requirements

Product benefits

- Excellent luminous flux at high and low ambient temperatures
- Stable and suitable for outdoor lighting or fixtures with little thermal insulation
- Compatible with and easily exchangeable with conventional T5 lamps
- High luminous efficacy

Product features

- Luminous flux: >90 % at ambient temperatures between +5...70 °C (for 49 W: +20...80 °C)
- 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



Product datasheet

Technical data

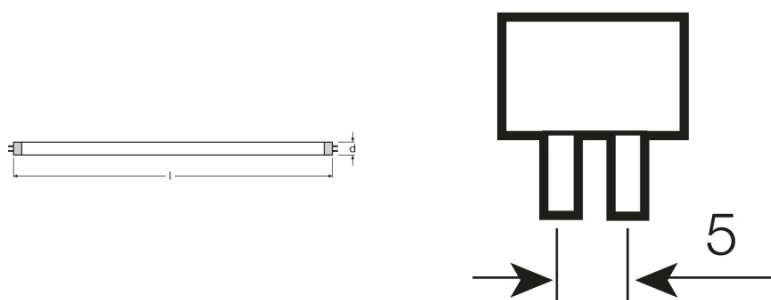
Electrical data

| | |
|-------------------------------------|---------|
| Nominal wattage | 22.50 W |
| Rated lamp efficacy (HF data 25 °C) | 84 lm/W |
| Rated wattage | 22.50 W |

Photometrical data

| | |
|-------------------------------|--------------------|
| Color rendering index Ra | ≥80 |
| Rated luminous flux | 1900 lm |
| Luminous flux at 25 °C | 1900 lm |
| Luminous flux at 35 °C | 2000 lm |
| Light color | 840 |
| Color temperature | 4000 K |
| Nominal luminous flux | 1900 lm |
| Light color as per EN 12464-1 | LUMILUX Cool White |
| 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



| | |
|---|-----------|
| Tube diameter | 16 mm |
| Length | 549.0 mm |
| Length with base excl. base pins/connection | 549.00 mm |
| Diameter | 16.0 mm |

Product datasheet

| | |
|------------------|---------|
| Maximum diameter | 16.0 mm |
|------------------|---------|

Temperatures

| | |
|--|---------|
| 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 |
| Lamp mercury content | 2.6 mg |
| Appropriate disposal acc. to WEEE | Yes |
| Product remark | Suitable for ECG operation only |

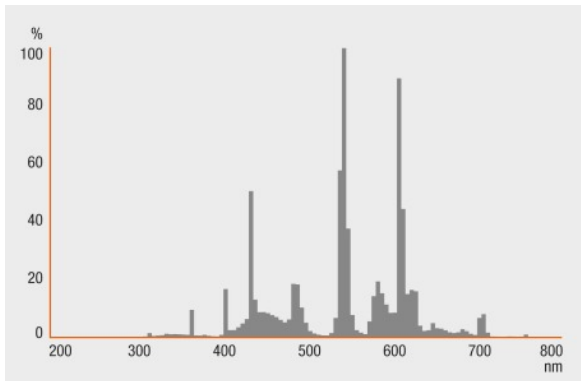
Capabilities

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

Certificates & standards

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

Light Distribution



Spectral power distribution

System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

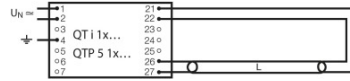
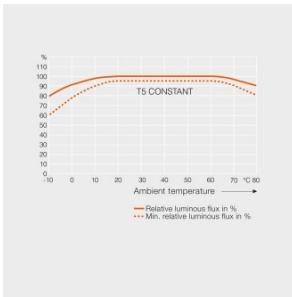


Guarantee

Safety advice

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

Product datasheet



Others graphics

Circuit diagram

Circuit diagram

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|-------------------------|---------------------------------|---|----------------------|--------------|
| 4008321075451 | HO CONSTANT 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.osram.com/system-guarantee

For more information on QUICKTRONIC electronic control gear go to

- ▶ www.osram.com/QUICKTRONIC

Disclaimer

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

HO CONSTANT 24 W/840

LUMILUX T5 HO CONSTANT | Tubular fluorescent lamps 16 mm, high output, Constant

| Product name | Product name ECG | EAN | Luminous flux at 35 °C | Number of lighting outlets | Nominal current | Nominal wattage + Power loss |
|----------------------|------------------------|---------------|------------------------|----------------------------|-----------------|------------------------------|
| HO 24 W/840 CONSTANT | QT-FIT 5/8 1x18-39 | 4008321873927 | 1900 lm | 1 | | |
| | QT-FIT 5/8 2x18-39 | 4008321873903 | 1900 lm | 2 | | |
| | QTi 1x14/24/21/39 GII | 4008321383334 | 1900 lm | 1 | 0.12 A | 26.00 W |
| | QTi 1x14/24 DIM | 4050300870922 | 1900 lm | 1 | 0.11 A | 26.00 W |
| | QTi 2x14/24/21/39 GII | 4008321383396 | 1900 lm | 2 | 0.23 A | 50.00 W |
| | QTi 2x14/24 DIM | 4050300870946 | 1900 lm | 2 | 0.22 A | 50.00 W |
| | QTi 3x14/24 DIM | 4008321069719 | 1900 lm | 3 | 0.32 A | 74.00 W |
| | QTi 4x14/24 DIM | 4008321069993 | 1900 lm | 4 | 0.43 A | 98.00 W |
| | QTi DALI 1x14/24 DIM | 4050300870380 | 1900 lm | 1 | 0.11 A | 25.30 W |
| | QTi DALI 2x14/24 DIM | 4050300870861 | 1900 lm | 2 | 0.22 A | 49.30 W |
| | QTi DALI 3x14/24 DIM | 4008321069955 | 1900 lm | 3 | 0.32 A | 73.40 W |
| | QTi DALI 4x14/24 DIM | 4008321070036 | 1900 lm | 4 | 0.43 A | 97.60 W |
| | QT-M 2x26-42/220-240 S | 4008321110022 | 1900 lm | 2 | 0.23 A | 54.00 W |
| | QTP5 1x24-39 | 4008321329110 | 1900 lm | 1 | 0.12 A | 26.00 W |
| | QTP5 2x24-39 | 4008321329417 | 1900 lm | 2 | 0.23 A | 49.00 W |
| | QTP-M 1x26-42 | 4008321329134 | 1900 lm | 1 | 0.12 A | 25.00 W |
| | QTP-M 2x26-32 | 4008321329158 | 1900 lm | 2 | 0.23 A | 49.00 W |
| | QTP-OPTIMAL 1x18-40 | 4008321873743 | 1900 lm | 1 | 0.13 A | 28.00 W |

Product datasheet

| Product name | Product name ECG | EAN | Luminous flux at 35 °C | Number of lighting outlets | Nominal current | Nominal wattage + Power loss |
|--------------|---------------------|---------------|------------------------|----------------------------|-----------------|------------------------------|
| | QTP-OPTIMAL 2x18-40 | 4008321873767 | 1900 lm | 2 | 0.24 A | 52.00 W |