

HE 35 W/830

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

- Good economy and efficiency
- Up to 20 % more economical than LUMILUX T8
- Up to 50 % smaller volume than comparable T8 lamps

Product features

- Luminous efficacy: up to 104 lm/W
- 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

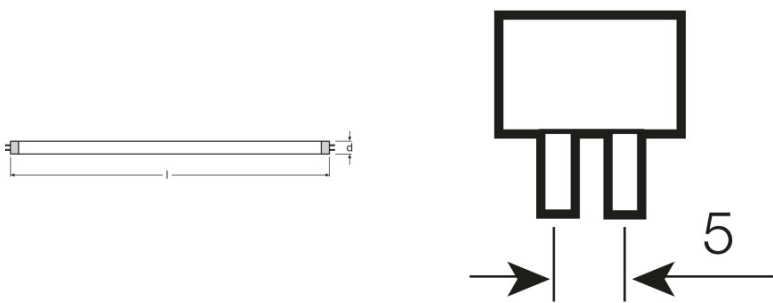
Electrical data

| | |
|-------------------------------------|---------|
| Nominal voltage | 209 V |
| Nominal wattage | 35.00 W |
| Rated lamp efficacy (HF data 25 °C) | 94 lm/W |
| Rated wattage | 35.50 W |
| Rated luminous flux | 3320 lm |

Photometrical data

| | |
|---------------------------|--------------------|
| Color rendering index Ra | ≥80 |
| Luminous flux at 25 °C | 3320 lm |
| Luminous flux at 35 °C | 3650 lm |
| Light color | 830 |
| Color temperature | 3000 K |
| Nominal luminous flux | 3320 lm |
| Light color (designation) | LUMILUX Warm 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 | 1449 mm |
| Length with base excl. base pins/connection | 1449.00 mm |

Product datasheet

| | |
|------------------|---------|
| 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 |
| Lamp mercury content | 1.9 mg |
| Appropriate disposal acc. to WEEE | 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

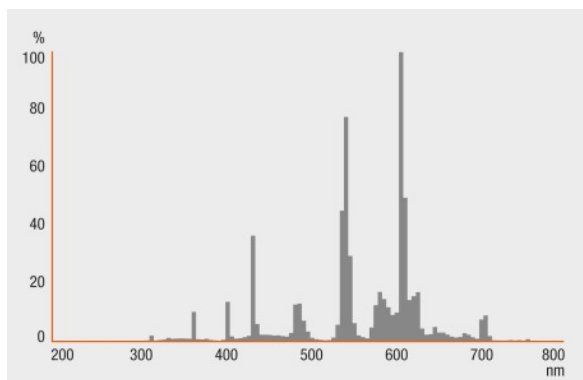
| | |
|---------------------|-----|
| Dimmable | Yes |
| Suitable for indoor | Yes |

Certificates & standards

| | |
|-------------------------|--------------|
| Energy efficiency class | A+ |
| Energy consumption | 40 kWh/1000h |

Product datasheet

Light Distribution



Spectral power distribution

System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

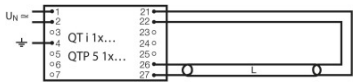


Guarantee

Safety advice

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

Product datasheet



Circuit diagram



Circuit diagram

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|---------------------------------|---|-----------------------|--------------|
| 4050300464763 | HE 35 W/830 | Shipping carton box 40 | 1500 mm x 93 mm x 194 mm | 27.06 dm ³ | 6258.00 g |
| 4050300591469 | HE 35 W/830 | Shipping carton box 20 | 1482 mm x 83 mm x 104 mm | 12.79 dm ³ | 3450.00 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

Disclaimer

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

HE 35 W/830

LUMILUX T5 HE | Tubular fluorescent lamps 16 mm, high efficiency, with G5 base

| Product name | Product name ECG | EAN | Nominal current | Nominal wattage + Power loss | Luminous flux at 35 °C | Number of lighting outlets |
|--------------|-------------------------|---------------|-----------------|------------------------------|------------------------|----------------------------|
| HE 35 W/830 | QT 1x35 DIM | 4008321640376 | 0.17 A | 38.60 W | 3300 lm | 1 |
| | QT 2x35 DIM | 4008321640475 | 0.34 A | 77.30 W | 3150 lm | 2 |
| | QT-FIT 5 1x14-35 | 4008321971234 | 0.17 A | 38.00 W | 3200 lm | 1 |
| | QT-FIT 5 2x14-35 | 4008321971258 | 0.35 A | 78.00 W | 3300 lm | 2 |
| | QTi 1x14/24/21/39 GII | 4008321383334 | 0.18 A | 39.00 W | 3300 lm | 1 |
| | QTi 1x28/54/35/49 GII | 4008321383358 | 0.17 A | 38.00 W | 3300 lm | 1 |
| | QTi 1x35/49/80 DIM | 4050300870540 | 0.17 A | 37.80 W | 3300 lm | 1 |
| | QTi 1x35/49/80 GII | 4008321383372 | 0.17 A | 38.00 W | 3300 lm | 1 |
| | QTi 2x14/24/21/39 GII | 4008321383396 | 0.35 A | 76.00 W | 3300 lm | 2 |
| | QTi 2x28/54/35/49 GII | 4008321383419 | 0.35 A | 76.00 W | 3300 lm | 2 |
| | QTi 2x35/49/80 DIM | 4050300870984 | 0.34 A | 74.00 W | 3300 lm | 2 |
| | QTi 2x35/49/80 GII | 4008321658951 | 0.36 A | 77.00 W | 3400 lm | 2 |
| | QTi 2x35/49 DIM | 4050300870670 | 0.33 A | 74.50 W | 3300 lm | 2 |
| | QTi DALI 1x35/49/80 DIM | 4050300870342 | 0.17 A | 37.80 W | 3300 lm | 1 |
| | QTi DALI 2x35/49/80 DIM | 4050300870441 | 0.34 A | 74.00 W | 3300 lm | 2 |
| | QTi DALI 2x35/49 DIM | 4050300870465 | 0.33 A | 74.50 W | 3300 lm | 2 |
| | QTP5 1x14-35 | 4008321329035 | 0.17 A | 38.00 W | 3300 lm | 1 |
| | QTP5 2x14-35 | 4008321329073 | 0.33 A | 75.00 W | 3300 lm | 2 |