

Product datasheet

HE 14 W/840

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

- Public buildings Offices Shops Supermarkets and department stores Industry Outdoor applications only in suitable luminaires



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



Technical data

Electrical data

| | |
|-------------------------------------|---------|
| Nominal voltage | 220 V |
| Nominal wattage | 14.00 W |
| Rated lamp efficacy (HF data 25 °C) | 86 lm/W |
| Rated wattage | 14.00 W |

Photometrical data

| | |
|---------------------------|--------------------|
| Color rendering index Ra | ≥80 |
| Rated luminous flux | 1200 lm |
| Luminous flux at | 1200 lm |
| Luminous flux at | 1350 lm |
| Light color | 840 |
| Rated color temperature | 4000 K |
| Nominal luminous flux | 1200 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 | 1200 lm |

Dimensions & weight



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

Product datasheet

| | |
|---|-----------|
| Length | 549.0 mm |
| Length with base excl. base pins/connection | 549.00 mm |
| Diameter | 16.0 mm |
| Product weight | 45.00 g |
| Outer bulb | T16 |
| Maximum diameter | 16.0 mm |

Temperatures & operating conditions

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

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 h | 0.97 |
| Rated lamp survival factor at 20,000 h | 0.85 |
| Operation mode LLMF/LSF | HF |
| Rated lamp life time | 24000 h |

¹⁾ With preheat ECG

Additional product data

| | |
|-----------------------------------|--|
| Base (standard designation) | G5 |
| Mercury content | 1.9 mg |
| Product remark | Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C |
| Appropriate disposal acc. to WEEE | Yes |

Capabilities

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

Certificates & standards

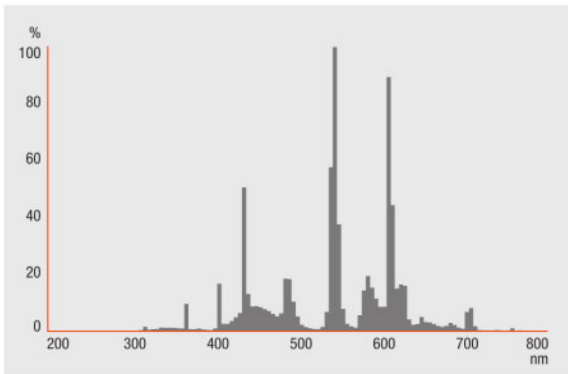
| | |
|-------------------------|--------------|
| Energy efficiency class | A+ |
| Energy consumption | 16 kWh/1000h |

Country specific categorizations

Product datasheet

| | |
|-----------------|------------|
| Order reference | HE 14W/840 |
|-----------------|------------|

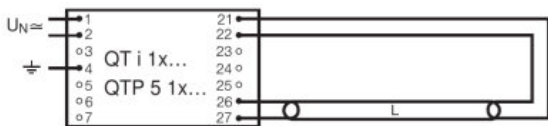
Light Distribution



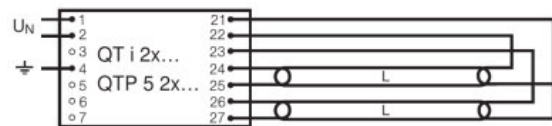
FL_840

System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs



QUICKTRONIC INTELLIGENT QT i 1x QTP 5 1x



QUICKTRONIC INTELLIGENT QT i 2x QTP 5 2x

Logistical Data

Product datasheet

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|--|--------------------------------------|-----------------------|--------------|
| 4050300464688 | HE 14 W/840 | Shipping carton box 40 Pieces Sleeves | 598 mm x 95 mm x 198 mm | 11.25 dm ³ | 2580.00 g |
| 4050300591384 | HE 14 W/840 | Shipping carton box 20 Pieces Sleeves | 587 mm x 90 mm x 129 mm | 6.82 dm ³ | 1503.00 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.

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OSRAM

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HE 14 W/840

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 | Power factor λ [PIM] | Luminous flux at 35 °C |
|--------------|-------------------------|---------------|-----------------|------------------------------|------------------------------|------------------------|
| HE 14 W/840 | QT-ECO 1x4-16/220-240 S | 4050300638584 | 0.10 A | 15.00 W | 0.60 c | 1150 lm |
| | QT-FIT 5 1x14-35 | 4008321971234 | 0.08 A | 16.00 W | 0.95 | 1200 lm |
| | QT-FIT 5 2x14-35 | 4008321971258 | 0.14 A | 32.00 W | 0.98 | 1200 lm |
| | QT-FIT 5 3x14, 4x14 | 4008321971210 | 0.28 A | 63.00 W | 0.98 | 1200 lm |
| | QTi 1x14/24/21/39 GII | 4008321383334 | 0.08 A | 16.00 W | 0.92 c | 1200 lm |
| | QTi 1x14/24 DIM | 4050300870922 | 0.07 A | 15.40 W | 0.96 | 1200 lm |
| | QTi 1x28/54/35/49 GII | 4008321383358 | 0.08 A | 16.00 W | 0.93 c | 1275 lm |
| | QTi 1x35/49/80 GII | 4008321383372 | 0.08 A | 16.00 W | 0.93 c | 1275 lm |
| | QTi 2x14/24/21/39 GII | 4008321383396 | 0.15 A | 31.00 W | 0.95 | 1200 lm |
| | QTi 2x14/24 DIM | 4050300870946 | 0.14 A | 30.60 W | 0.96 | 1200 lm |
| | QTi 2x28/54/35/49 GII | 4008321383419 | 0.15 A | 32.00 W | 0.93 c | 1275 lm |
| | QTi 2x35/49/80 GII | 4008321658951 | 0.18 A | 34.00 W | 0.95 | 1250 lm |
| | QTi 3x14/24 DIM | 4008321069719 | 0.20 A | 45.30 W | 0.97 | 1200 lm |
| | QTi 4x14/24 DIM | 4008321069993 | 0.27 A | 60.40 W | 0.97 | 1200 lm |
| | QTi DALI 1x14/24 DIM | 4050300870380 | 0.07 A | 15.40 W | 0.95 | 1200 lm |
| | QTi DALI 2x14/24 DIM | 4050300870861 | 0.14 A | 30.60 W | 0.95 | 1200 lm |
| | QTi DALI 3x14/24 DIM | 4008321069955 | 0.20 A | 45.30 W | 0.97 | 1200 lm |

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| Product name | Product name ECG | EAN | Nominal current | Nominal wattage + Power loss | Power factor λ [PIM] | Luminous flux at 35 °C |
|--------------|----------------------|---------------|-----------------|------------------------------|------------------------------|------------------------|
| | QTi DALI 4x14/24 DIM | 4008321070036 | 0.27 A | 60.40 W | 0.97 | 1200 lm |
| | QTP5 1x14-35 | 4008321329035 | 0.08 A | 16.00 W | 0.90 c | 1200 lm |
| | QTP5 2x14-35 | 4008321329073 | 0.14 A | 30.00 W | 0.98 | 1200 lm |
| | QTP5 3x14, 4x14 | 4008321484598 | 0.22 A | 63.00 W | 0.97 | 1350 lm |
| | QTP5 3x14, 4x14 | 4008321484598 | 0.28 A | 48.00 W | 0.95 | 1350 lm |

| Product name | Product name ECG | EAN | Number of lighting outlets | EEI – Energy Label | Luminous flux at 25 °C |
|--------------|-------------------------|---------------|----------------------------|--------------------|------------------------|
| HE 14 W/840 | QT-ECO 1x4-16/220-240 S | 4050300638584 | 1 | A2 | |
| | QT-FIT 5 1x14-35 | 4008321971234 | 1 | | |
| | QT-FIT 5 2x14-35 | 4008321971258 | 2 | | |
| | QT-FIT 5 3x14, 4x14 | 4008321971210 | 4 | | |
| | QTi 1x14/24/21/39 GII | 4008321383334 | 1 | | |
| | QTi 1x14/24 DIM | 4050300870922 | 1 | | |
| | QTi 1x28/54/35/49 GII | 4008321383358 | 1 | | |
| | QTi 1x35/49/80 GII | 4008321383372 | 1 | | |
| | QTi 2x14/24/21/39 GII | 4008321383396 | 2 | | |
| | QTi 2x14/24 DIM | 4050300870946 | 2 | | |
| | QTi 2x28/54/35/49 GII | 4008321383419 | 2 | | |
| | QTi 2x35/49/80 GII | 4008321658951 | 2 | | |
| | QTi 3x14/24 DIM | 4008321069719 | 3 | | |
| | QTi 4x14/24 DIM | 4008321069993 | 4 | | |

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| Product name | Product name ECG | EAN | Number of lighting outlets | EEI – Energy Label | Luminous flux at 25 °C |
|--------------|----------------------|---------------|----------------------------|--------------------|------------------------|
| | QTi DALI 1x14/24 DIM | 4050300870380 | 1 | | |
| | QTi DALI 2x14/24 DIM | 4050300870861 | 2 | | |
| | QTi DALI 3x14/24 DIM | 4008321069955 | 3 | | |
| | QTi DALI 4x14/24 DIM | 4008321070036 | 4 | | |
| | QTP5 1x14-35 | 4008321329035 | 1 | | |
| | QTP5 2x14-35 | 4008321329073 | 2 | | |
| | QTP5 3x14, 4x14 | 4008321484598 | 4 | | 1200 lm |
| | QTP5 3x14, 4x14 | 4008321484598 | 3 | | 1200 lm |