

# PRODUCT DATASHEET

## HO 80 W/830

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



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### AREAS OF APPLICATION

- Industry
- Public buildings
- Offices
- Tunnels, underpasses
- Car parks
- Outdoor applications only in suitable luminaires

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### PRODUCT BENEFITS

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

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### 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                     | 152 V   |
| Rated lamp efficacy (HF data 25 °C) | 77 lm/W |
| Rated wattage                       | 79.80 W |
| Nominal wattage                     | 80.00 W |

Photometrical data

|                           |                    |
|---------------------------|--------------------|
| Color rendering index Ra  | ≥80                |
| Rated luminous flux       | 6150 lm            |
| Luminous flux at 25 °C    | 6150 lm            |
| Luminous flux at 35 °C    | 7000 lm            |
| Light color               | 830                |
| Rated color temperature   | 3000 K             |
| Nominal luminous flux     | 6150 lm            |
| Light color (designation) | LUMILUX Warm 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         | 3000 K             |
| Luminous flux             | 6150 lm            |
| Color rendering index Ra  | ≥80                |

Dimensions & weight



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

|  |            |
|--|------------|
| <b>Length</b>                                      | 1449 mm    |
| <b>Length with base excl. base pins/connection</b> | 1449.00 mm |
| <b>Diameter</b>                                    | 16.0 mm    |
| <b>Maximum diameter</b>                            | 16.0 mm    |

Temperatures & operating conditions

|   |         |
|---|---------|
| <b>Rated ambient temp.w.max.luminous flux</b> | 35.0 °C |
|---|---------|

Lifespan

|   |                       |
|---|-----------------------|
| <b>Service life</b>                           | 19000 h <sup>1)</sup> |
| <b>Lifespan</b>                               | 24000 h <sup>1)</sup> |
| <b>Rated lamp survival factor at 2,000 h</b>  | 0.99                  |
| <b>Rated lamp survival factor at 4,000 h</b>  | 0.99                  |
| <b>Rated lamp survival factor at 6,000 h</b>  | 0.99                  |
| <b>Rated lamp survival factor at 8,000 h</b>  | 0.99                  |
| <b>Rated lamp survival factor at 12,000 h</b> | 0.99                  |
| <b>Rated lamp survival factor at 16,000 h</b> | 0.97                  |
| <b>Rated lamp survival factor at 20,000 h</b> | 0.85                  |
| <b>Operation mode LLMF/LSF</b>                | HF                    |
| <b>Rated lamp life time</b>                   | 24000 h               |
| <b>Nominal lamp life time</b>                 | 24000 h               |

<sup>1)</sup> With preheat ECG

Additional product data

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

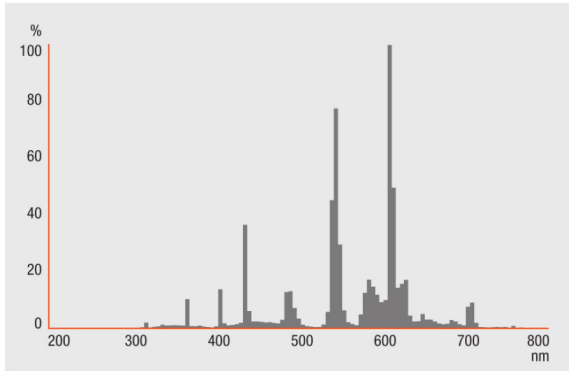
Capabilities

|                            |     |
|----------------------------|-----|
| <b>Dimmable</b>            | Yes |
| <b>Suitable for indoor</b> | Yes |

Certificates & standards

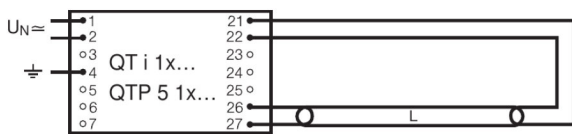
|                                |              |
|--------------------------------|--------------|
| <b>Energy efficiency class</b> | A            |
| <b>Energy consumption</b>      | 88 kWh/1000h |

Light Distribution



Spectral power distribution

Wiring Diagram



Wiring diagram



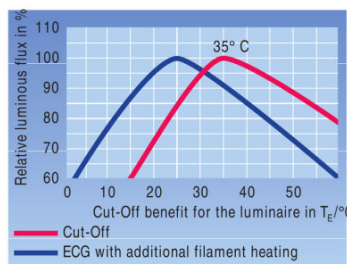
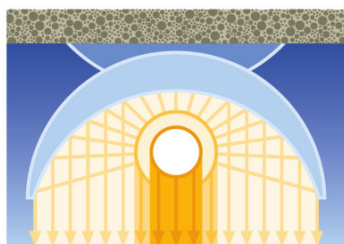
Wiring diagram

**SYSTEM GUARANTEE**

OSRAM System+ Guarantee in combination with OSRAM ECGs

**SAFETY ADVICE**

In case of lamp breakage: [www.ledvance.com/brokenlamp](http://www.ledvance.com/brokenlamp)



Others graphics

Others graphics

**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4050300515137 | Unpacked<br>1                | 1462 mm x 15 mm x 15 mm              | 115.00 g     | 0.33 dm <sup>3</sup>  |
| 4050300515144 | Shipping carton box<br>40    | 1500 mm x 96 mm x 194 mm             | 5173.00 g    | 27.94 dm <sup>3</sup> |
| 4050300591827 | Sleeves<br>1                 | 1470 mm x 17 mm x 20 mm              | 138.00 g     | 0.50 dm <sup>3</sup>  |
| 4050300591834 | Shipping carton box<br>20    | 1482 mm x 104 mm x 91 mm             | 3058.00 g    | 14.03 dm <sup>3</sup> |

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](http://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 80 W/830  | QT-FQ 2x80              | 4050300825564 | 0.76 A          | 175.00 W                     | 6300 lm                | 2                          |
|              | QTi 1x35/49/80 DIM      | 4050300870540 | 0.39 A          | 88.10 W                      | 6150 lm                | 1                          |
|              | QTi 1x35/49/80 GII      | 4008321383372 | 0.38 A          | 85.00 W                      | 6150 lm                | 1                          |
|              | QTi 2x35/49/80 DIM      | 4050300870984 | 0.74 A          | 165.00 W                     | 6150 lm                | 2                          |
|              | QTi 2x35/49/80 GII      | 4008321658951 | 0.70 A          | 167.00 W                     | 6150 lm                | 2                          |
|              | QTi DALI 1x35/49/80 DIM | 4050300870342 | 0.39 A          | 88.10 W                      | 6150 lm                | 1                          |
|              | QTi DALI 2x35/49/80 DIM | 4050300870441 | 0.74 A          | 165.00 W                     | 6150 lm                | 2                          |
|              | QTP5 1x80               | 4008321329059 | 0.38 A          | 86.00 W                      | 6150 lm                | 1                          |