

# PRODUCT DATASHEET

## HO 49 W/827

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**

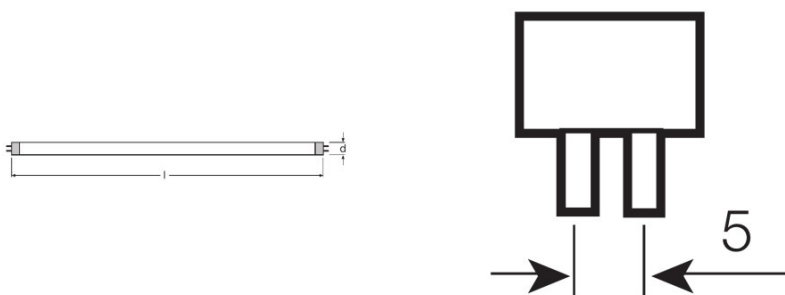
Electrical data

Nominal voltage	195 V
Rated lamp efficacy (HF data 25 °C)	88 lm/W
Rated wattage	49.00 W
Nominal wattage	49.00 W

Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	4310 lm
Luminous flux at 25 °C	4310 lm
Luminous flux at 35 °C	4900 lm
Light color	827
Rated color temperature	2700 K
Nominal luminous flux	4310 lm
Light color (designation)	LUMILUX INTERNA
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	2700 K
Luminous flux	4310 lm
Color rendering index Ra	≥80

Dimensions & weight



Tube diameter	16 mm
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<b>Length</b>	1449 mm
<b>Length with base excl. base pins/connection</b>	1449.00 mm
<b>Diameter</b>	16.0 mm

#### Temperatures & operating conditions

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

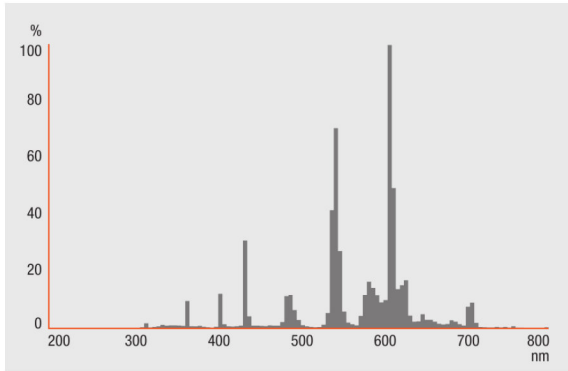
#### Capabilities

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

#### Certificates & standards

<b>Energy efficiency class</b>	A+
<b>Energy consumption</b>	55 kWh/1000h

Light Distribution



Spectral power distribution

Wiring Diagram



Wiring diagram



Wiring diagram

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**SYSTEM GUARANTEE**

OSRAM System+ Guarantee in combination with OSRAM ECGs

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**SAFETY ADVICE**

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

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**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300796772	Sleeves 1	1470 mm x 20 mm x 20 mm	159.00 g	0.59 dm <sup>3</sup>
4008321110664	Shipping carton box 20	1482 mm x 83 mm x 104 mm	3450.00 g	12.79 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.

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**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)

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**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 49 W/827	QT-FIT 5 1x49	4008321832139	0.24 A	54.00 W	4300 lm	1
	QT-FIT 5 2x49	4008321832153	0.47 A	106.00 W	4300 lm	2
	QTi 1x28/54/35/49 GII	4008321383358	0.24 A	53.00 W	4300 lm	1
	QTi 1x35/49/80 DIM	4050300870540	0.24 A	53.40 W	4300 lm	1
	QTi 1x35/49/80 GII	4008321383372	0.24 A	53.00 W	4300 lm	1
	QTi 2x28/54/35/49 GII	4008321383419	0.46 A	105.00 W	4300 lm	2
	QTi 2x35/49/80 DIM	4050300870984	0.46 A	103.00 W	4300 lm	2
	QTi 2x35/49/80 GII	4008321658951	0.45 A	105.00 W	4300 lm	2
	QTi 2x35/49 DIM	4050300870670	0.45 A	103.60 W	4300 lm	2
	QTi DALI 1x35/49/80 DIM	4050300870342	0.24 A	53.40 W	4300 lm	1
	QTi DALI 2x35/49/80 DIM	4050300870441	0.46 A	101.00 W	4300 lm	2
	QTi DALI 2x35/49 DIM	4050300870465	0.45 A	103.60 W	4300 lm	2
	QTP5 1x49	4008321329370	0.24 A	53.00 W		1
	QTP5 1x49	4008321329370	0.24 A	53.00 W	4300 lm	1
	QTP5 2x49	4008321329431	0.49 A	106.00 W		2
	QTP5 2x49	4008321329431	0.49 A	106.00 W	4300 lm	2