

Product datasheet

HO 49 W/940

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



Areas of application

- Industry
- Shops
- Supermarkets and department stores
- Ideal where color rendering is an important factor

Product benefits

- Excellent color rendering
- Natural colors
- Perfect color matching

Product features

- Very good color rendering group: 1A ($R_a \geq 90$)
- Very good lumen maintenance: 90 % throughout the service lifetime of the lamp
- Long average lifetime: up to 24,000 h (with QUICKTRONIC ECG)
- Dimmable



Product datasheet

Technical data

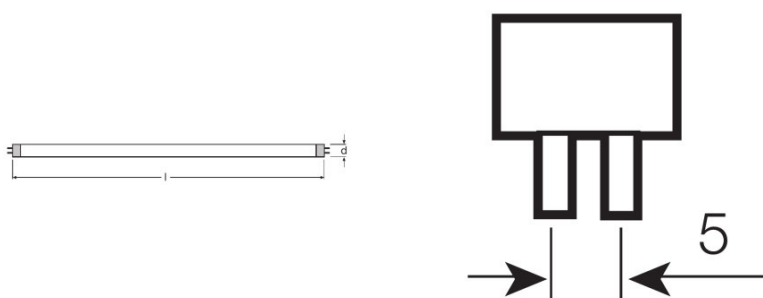
Electrical data

Nominal voltage	195 V
Nominal wattage	49.00 W
Rated lamp efficacy (HF data 25 °C)	71 lm/W
Rated wattage	49.00 W

Photometrical data

Color rendering index Ra	≥90
Rated luminous flux	3500 lm
Luminous flux at	3500 lm
Luminous flux at	3850 lm
Light color	4000
Rated color temperature	4000 K
Nominal luminous flux	3500 lm
Light color (designation)	LUMILUX DE LUXE 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

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
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Temperatures & operating conditions

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

¹⁾ With preheat ECG

Additional product data

Base (standard designation)	G5
Mercury content	1.7 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

Capabilities

Suitable for indoor	Yes
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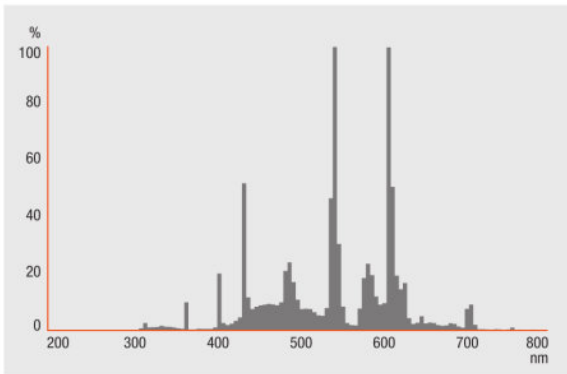
Certificates & standards

Energy efficiency class	A
Energy consumption	55 kWh/1000h

Logistical data

Commodity code	853931109000
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Light Distribution



Spectral power distribution

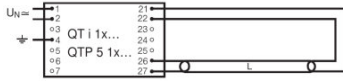
System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

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
4008321234025	HO 49 W/940	Shipping carton box 10 Pieces Sleeves	1482 mm x 50 mm x 104 mm	7.71 dm ³	1798.00 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

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