PRODUCT DATASHEET
HO ES 50 W/865

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



AREAS OF APPLICATION

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

PRODUCT BENEFITS

- Up to 10 % energy savings compared to standard T5 HO LUMILUX lamps
- Good economy and efficiency
- Pay-back time less than 1 year
- High luminous flux

PRODUCT FEATURES

- Luminous efficacy: up to 96 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



© 2018, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

Electrical data

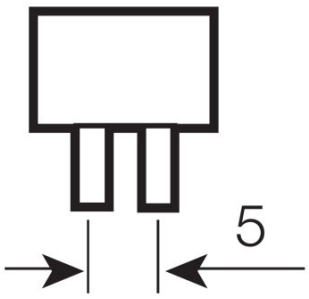
Nominal voltage	101 V
Nominal wattage	50.00 W
Rated lamp efficacy (HF data 25 °C)	85 lm/W
Rated wattage	48.50 W

Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	4100 lm
Luminous flux at 25 °C	4100 lm
Luminous flux at 35 °C	4750 lm
Light color	6500
Rated color temperature	6500 K
Nominal luminous flux	4100 lm
Light color (designation)	LUMILUX Cool Daylight
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	6500 K
Luminous flux	4100 lm
Color rendering index Ra	≥80

Dimensions & weight





Tube diameter	16 mm

© 2018, LEDVANCE GmbH. All rights reserved.

Length	1149 mm
Length with base excl. base pins/connection	1149.00 mm
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
Mercury content	1.7 mg
Show WEEE picto	Yes
Product remark	For ECG operation only/Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C

Capabilities

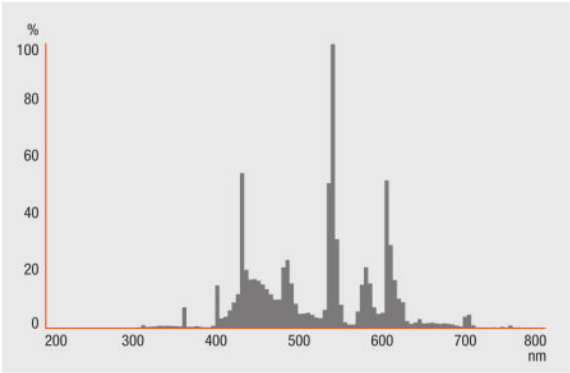
Dimmable	Yes
Suitable for indoor	Yes

Certificates & standards

Energy efficiency class	A+
Energy efficiency class	A+
Energy consumption	54 kWh/1000h

© 2018, LEDVANCE GmbH. All rights reserved.

Light Distribution



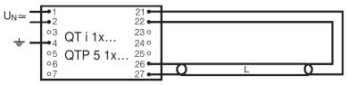
Spectral power distribution

SYSTEM GUARANTEE

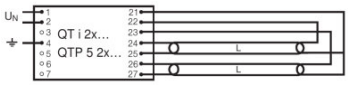
— OSRAM System+ Guarantee in combination with OSRAM ECGs

SAFETY ADVICE

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



Circuit diagram



Circuit diagram

LOGISTICAL DATA

© 2018, LEDVANCE GmbH. All rights reserved.

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321515247	HO ES 50 W/865	Shipping carton box 20	1182 mm x 104 mm x 83 mm	10.20 dm^3	2713.00 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.ledvance.com/system-guarantee

DISCLAIMER

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

© 2018, LEDVANCE GmbH. All rights reserved.

LUMILUX T5 HO ES | Tubular fluorescent lamps 16 mm, high output, energy saver, 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 ES 50 W/865	QT-FIT 5/8 1x54-58	4008321873828	0.25 A	59.00 W	4450 lm	1
	QT-FIT 5/8 2x54-58	4008321873842	0.49 A	116.00 W	4450 lm	2
	QTi 1x28/54/35/49 GII	4008321383358	0.23 A	54.00 W	4450 lm	1
	QTi 1x28/54 DIM	4050300870588	0.26 A	59.00 W	4800 lm	1
	QTi 2x28/54/35/49 GII	4008321383419	0.46 A	108.00 W	4450 lm	2
	QTi DALI 1x28/54 DIM	4050300870809	0.26 A	59.00 W	4800 lm	1
	QTi DALI 2x28/54 DIM	4050300870502	0.51 A	115.00 W	4800 lm	2
	QTP-OPTIMAL 1x54-58	4008321873729	0.26 A	54.00 W	4450 lm	1
	QTP-OPTIMAL 2x54-58	4008321880253	0.46 A	107.00 W	4450 lm	2

© 2018, LEDVANCE GmbH. All rights reserved.