PRODUCT DATASHEET
HE ES 25 W/865

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



AREAS OF APPLICATION

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

PRODUCT BENEFITS

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

PRODUCT FEATURES

- Luminous efficacy: up to 114 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



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TECHNICAL DATA

Electrical data

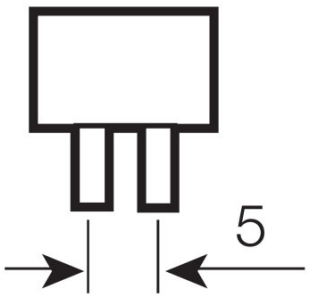
Nominal voltage	143 V
Nominal wattage	25.00 W
Rated lamp efficacy (HF data 25 °C)	89 lm/W
Rated wattage	25.30 W

Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	2260 lm
Luminous flux at 25 °C	2260 lm
Luminous flux at 35 °C	2750 lm
Light color	6500
Rated color temperature	6500 K
Nominal luminous flux	2260 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	2260 lm
Color rendering index Ra	≥80

Dimensions & weight





Tube diameter	16 mm

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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	1.9 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

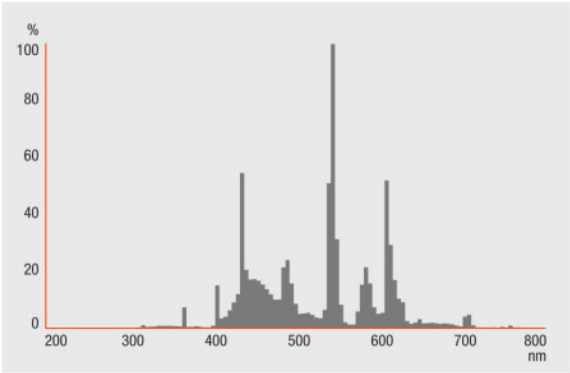
Dimmable	Yes
Suitable for indoor	Yes

Certificates & standards

Energy efficiency class	A+
Energy efficiency class	A+
Energy consumption	28 kWh/1000h

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Light Distribution



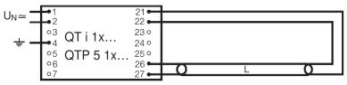
Spectral power distribution

SYSTEM GUARANTEE

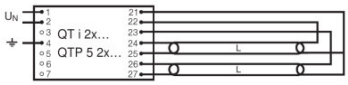
— OSRAM System+ Guarantee in combination with OSRAM ECGs

SAFETY ADVICE

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



Circuit diagram



Circuit diagram

LOGISTICAL DATA

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321957917	HE ES 25 W/865	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm^3	2712.50 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.

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Product name	Product name ECG	EAN	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
HE ES 25 W/865	QT-FIT 5 1x14-35	4008321971234	0.12 A	28.00 W	2450 lm	1
	QT-FIT 5 2x14-35	4008321971258	0.25 A	56.00 W	2450 lm	2
	QTi 1x14/24/21/39 GII	4008321383334	0.13 A	29.00 W	2500 lm	1
	QTi 1x28/54/35/49 GII	4008321383358	0.13 A	29.00 W	2500 lm	1
	QTi 2x14/24/21/39 GII	4008321383396	0.26 A	56.00 W	2500 lm	2
	QTi 2x35/49/80 GII	4008321658951	0.26 A	57.00 W	2500 lm	2
	QTP5 1x14-35	4008321329035	0.12 A	27.00 W	2450 lm	1
	QTP5 2x14-35	4008321329073	0.24 A	54.00 W	2450 lm	2

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