HE ES 25 W/840

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

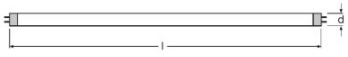
Electrical data

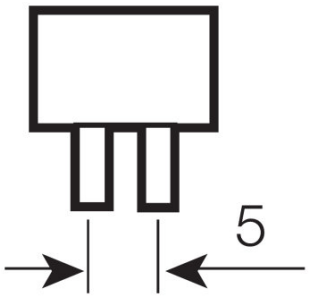
Nominal voltage	143 V
Nominal wattage	25.00 W
Rated lamp efficacy (HF data 25 °C)	97 lm/W
Rated wattage	25.30 W

Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	2450 lm
Luminous flux at	2450 lm
Luminous flux at	2900 lm
Light color	4000
Rated color temperature	4000 K
Nominal luminous flux	2450 lm
Light color (designation)	LUMILUX 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	1149 mm
Length with base excl. base pins/connection	1149.00 mm

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Diameter	16.0 mm
Maximum 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

[1)] With preheat ECG

Additional product data

Base (standard designation)	G5
Mercury content	1.7 mg
Product remark	For ECG operation onlyLamp designed for internal luminaire temperatures of 30…40 °C; optimum luminous flux achieved at 35 °C

Capabilities

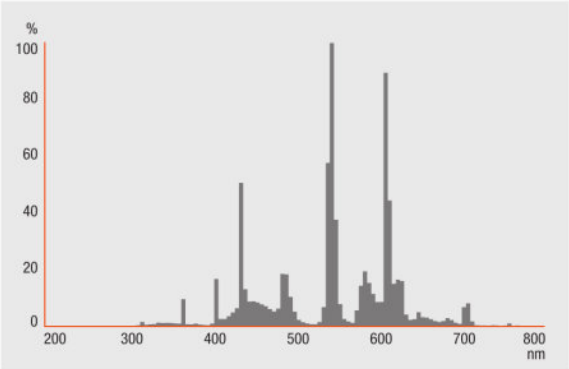
Dimmable	Yes
Suitable for indoor	Yes

Certificates & standards

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

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Light Distribution



Spectral power distribution

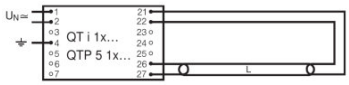
System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

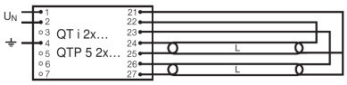
Safety advice

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

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Circuit diagram



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321516947	HE ES 25 W/840	Shipping carton box 40 Pieces Sleeves	1200 mm x 83 mm x 194 mm	19.32 dm^3	4813.00 g
4008321957900	HE ES 25 W/840	Shipping carton box 20 Pieces Sleeves	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.osram.com/system-guarantee

For more information on QUICKTRONIC electronic control gear go to
- www.osram.com/QUICKTRONIC

Disclaimer

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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/840	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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