

L 51 W/840 ES

LUMILUX T8 ES | Tubular fluorescent lamps 26 mm, with G13 bases, energy saver



Areas of application

- Public buildings
- Office lighting
- Industry
- Shops
- Supermarkets and department stores

Product benefits

- Simple direct replacement in existing CCG/LLG systems
- Instant energy savings in existing CCG/LLG systems
- Up to 10 % lower energy consumption on conventional control gear
- Reduction in CO₂ emissions (51 W: 14 kg per year, 70 kg over the life of the lamp – energy mix: 0.5 kg/kWh)
- Pay-back time less than 1 year
- Energy savings in combination with QTP-OPTIMAL and QT-FIT in new systems

Product features

- Very good lumen maintenance: 90 % throughout the service lifetime of the lamp
- Good color rendering group: 1B (R_a: 80...89)



Product datasheet

Technical data

Electrical data

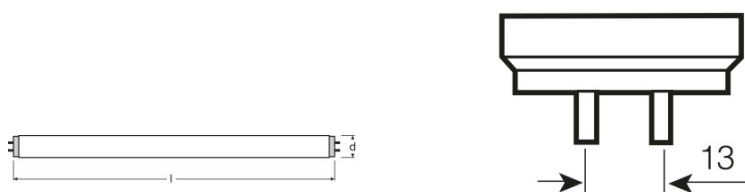
Nominal wattage	50.50 W
Rated lamp efficacy (HF data 25 °C)	Under clarification by authority and standardization body
Rated lamp efficacy (standard condition)	83 lm/W
Rated wattage	50.50 W

Photometrical data

Color rendering index Ra	≥80
Rated luminous flux	4200 lm
Luminous flux at 25 °C	4200 lm
Light color	840
Color temperature	4000 K
Luminous flux	4800 lm ¹⁾
Light color as per EN 12464-1	LUMILUX Cool White
Rated LLMF at 2,000 h	0.95
Rated LLMF at 4,000 h	0.92
Rated LLMF at 6,000 h	0.91
Rated LLMF at 8,000 h	0.90
Rated LLMF at 12,000 h	0.89
Color coordinates chromaticity diagram	0.38/0.38
Nominal luminous flux	4200 lm

¹⁾ At 30 °C ambient temperature

Dimensions & weight



G13
IEC 7004-51
DIN 49653 T1

Tube diameter	26 mm
Length	1500.0 mm
Length with base excl. base pins/connection	1500.00 mm

Product datasheet

Diameter	26.0 mm
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Temperatures

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

Service life	18000 h ¹⁾
Lifespan	20000 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	0.90
Operation mode LLMF/LSF	50 Hz
Rated lamp life time	20000 h
Nominal lamp life time	20000 h

¹⁾ With preheat ECG

Additional product data

Base (standard designation)	G13
Lamp mercury content	2.5 mg
Appropriate disposal acc. to WEEE	Yes

Capabilities

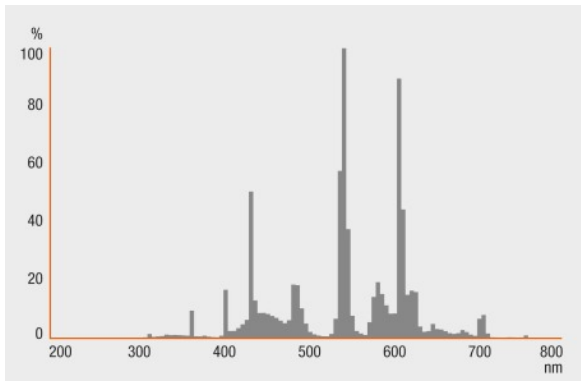
Suitable for indoor	Yes
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Certificates & standards

Energy efficiency class	A
Energy consumption	60 kWh/1000h

Light Distribution

Product datasheet



Spectral power distribution

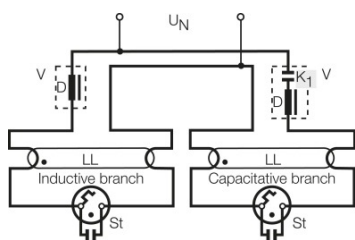


Guarantee

Safety advice

In case of lamp breakage: www.osram.com/brokenlamp
Not released for dimming operation.

Product datasheet



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321339706	L 51 W/840 ES	Shipping carton box 25	145 mm x 142 mm x 1542 mm	31.75 dm ³	6295.00 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 QUICKTRONIC electronic control gear go to

▶ www.osram.com/QUICKTRONIC

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
L 51W/840 ES	QT-FIT8 1x58-70	4008321294227	0.23 A	50.00 W	4200 lm	1
	QT-FIT8 2x58-70	4008321294289	0.43 A	96.00 W	4200 lm	2