

# PRODUCT DATASHEET

## DULUX T/E PLUS 13 W/840

OSRAM DULUX T/E PLUS | CFLni, 3 tubes, with 4-pin base for ECG operation



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### AREAS OF APPLICATION

- Offices, public buildings
- Shops
- Supermarkets and department stores
- Hotels, restaurants
- Industrial lighting

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### PRODUCT BENEFITS

- Extremely economical
- Good quality of light
- Excellent luminous flux
- Long service life
- Improved maintenance
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC ECG

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### PRODUCT FEATURES

- Average life: 20,000 h (with QUICKTRONIC)
- Color rendering index  $R_a \geq 80$
- Dimmable (3...100 %)
- Short and compact pin-base lamp with triple-turn tubes
- Single-ended four-pin plug-in GX24q base with shortened base casing



**TECHNICAL DATA**

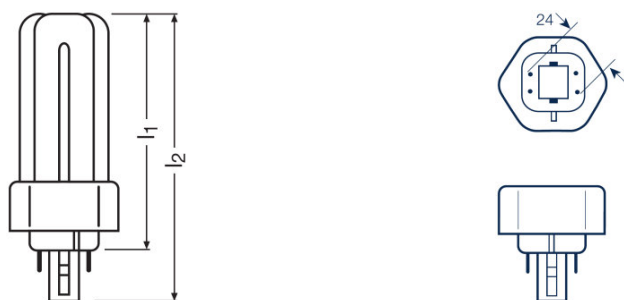
Electrical data

<b>Rated lamp efficacy (HF data 25 °C)</b>	Under clarification by authority and standardization body
<b>Rated wattage</b>	13.00 W
<b>Nominal wattage</b>	13.00 W

Photometrical data

<b>Nominal luminous flux</b>	900 lm
<b>Luminous flux at 25 °C</b>	900 lm
<b>Rated luminous flux</b>	900 lm
<b>Rated color temperature</b>	4000 K
<b>Color rendering index Ra</b>	≥80
<b>Rated LLMF at 2,000 h</b>	0.90
<b>Rated LLMF at 4,000 h</b>	0.84
<b>Rated LLMF at 6,000 h</b>	0.83
<b>Rated LLMF at 8,000 h</b>	0.81
<b>Rated LLMF at 12,000 h</b>	0.79
<b>Rated LLMF at 16,000 h</b>	0.78
<b>Rated LLMF at 20,000 h</b>	0.77
<b>Light color (designation)</b>	LUMILUX Cool White
<b>Color temperature</b>	4000 K
<b>Luminous flux</b>	900 lm
<b>Color rendering index Ra</b>	≥80

Dimensions & weight



<b>Diameter</b>	11.0 mm
<b>Overall length</b>	104.0 mm
<b>Length</b>	106.0 mm
<b>Length acc. to IEC standard</b>	90 mm

<b>Length with base excl. base pins/connection</b>	90.00 mm
<b>Outer bulb</b>	T12X3
<b>Maximum diameter</b>	12.0 mm

### Lifespan

<b>Nominal lamp life time</b>	20000 h
<b>Rated lamp life time</b>	20000 h
<b>Service life</b>	13000 h <sup>1)</sup>
<b>Rated lamp survival factor at 2,000 h</b>	0.99
<b>Rated lamp survival factor at 4,000 h</b>	0.99
<b>Rated lamp survival factor at 6,000 h</b>	0.99
<b>Rated lamp survival factor at 8,000 h</b>	0.99
<b>Rated lamp survival factor at 12,000 h</b>	0.95
<b>Rated lamp survival factor at 16,000 h</b>	0.81
<b>Rated lamp survival factor at 20,000 h</b>	0.50
<b>Operation mode LLMF/LSF</b>	HF
<b>Lifespan</b>	20000 h <sup>1)</sup>

<sup>1)</sup> With preheat ECG

### Additional product data

<b>Base (standard designation)</b>	GX24q-1
<b>Mercury content</b>	1.7 mg

### Capabilities

<b>Dimmable</b>	Yes
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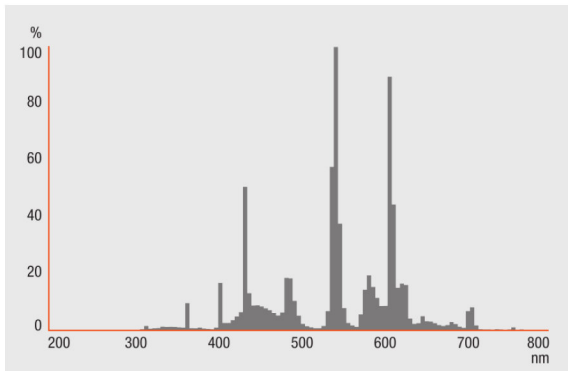
### Certificates & standards

<b>Energy consumption</b>	15 kWh/1000h
<b>Energy efficiency class</b>	A

### Country-specific categorizations

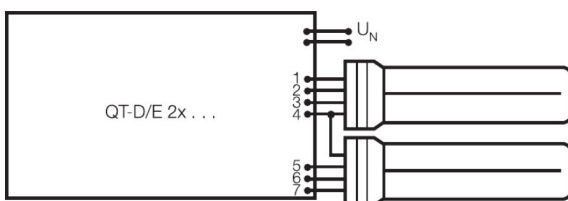
<b>ILCOS</b>	FSMH-13/840-/P/-GX24q-1
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## Light Distribution

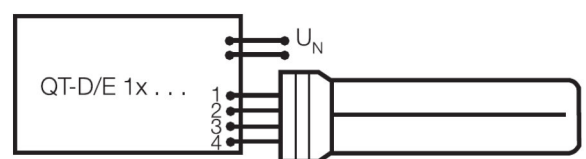


Spectral power distribution

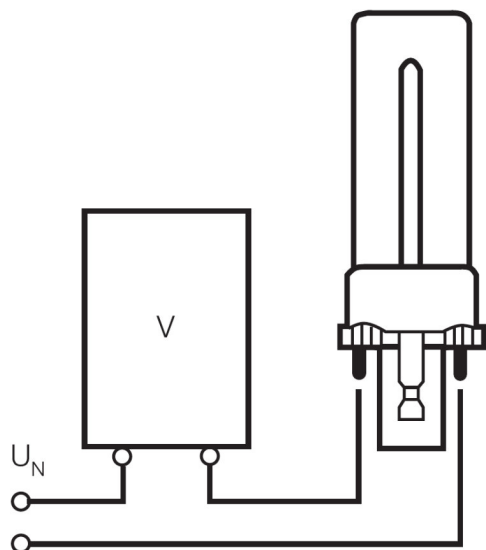
## Wiring Diagram



Wiring diagram



Wiring diagram



Wiring diagram

**EQUIPMENT / ACCESSORIES**

- Suitable for operation on electronic control gear

**SAFETY ADVICE**

In case of lamp breakage: [www.ledvance.com/brokenlamp](http://www.ledvance.com/brokenlamp)

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300446967	Folding carton box 1	121 mm x 46 mm x 49 mm	61.00 g	0.27 dm <sup>3</sup>
4050300446974	Shipping carton box 10	256 mm x 129 mm x 114 mm	754.50 g	3.76 dm <sup>3</sup>

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.

**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 25 °C	Number of lighting outlets	EEI – Energy Label
DULUX T/E PLUS 13 W/840	QT-ECO 1x4-16/220-240 L		0.10 A	14.00 W	800 lm	1	A2
	QT-ECO 1x4-16/220-240 S	4050300638584	0.10 A	14.00 W	800 lm	1	A2
	QTP-D/E 1x10-13	4008321181572	0.07 A	15.00 W	900 lm	1	
	QTP-D/E 2x10-13	4008321181596	0.13 A	29.00 W	900 lm	2	