

# PRODUCT DATASHEET

## DULUX T/E PLUS 13 W/830

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  $R_a$ : 80...89
- 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**

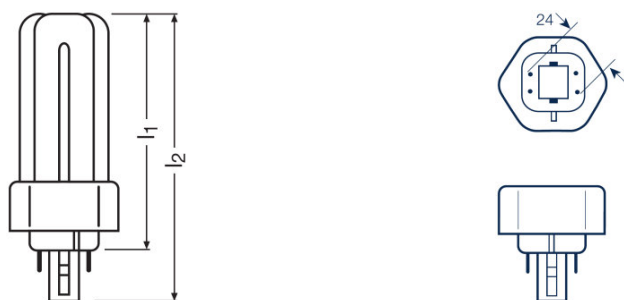
Electrical data

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

Photometrical data

Nominal luminous flux	900 lm
Light color (designation)	LUMILUX Warm White
Luminous flux at 25 °C	900 lm
Rated luminous flux	900 lm
Rated color temperature	3000 K
Color rendering index Ra	≥80
Rated LLMF at 2,000 h	0.90
Rated LLMF at 4,000 h	0.84
Rated LLMF at 6,000 h	0.83
Rated LLMF at 8,000 h	0.81
Rated LLMF at 12,000 h	0.79
Rated LLMF at 16,000 h	0.78
Rated LLMF at 20,000 h	0.77
Color temperature	3000 K
Luminous flux	900 lm
Color rendering index Ra	≥80

Dimensions & weight



Diameter	11.0 mm
Overall length	104.0 mm
Length	106.0 mm
Length acc. to IEC standard	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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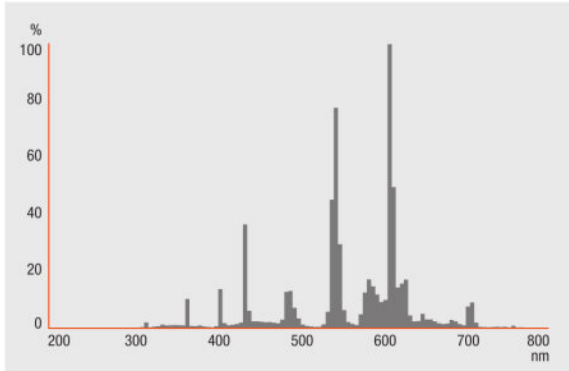
### Certificates & standards

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

### Country-specific categorizations

<b>ILCOS</b>	FSMH-13/830-/P/-GX24q-1
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Light Distribution



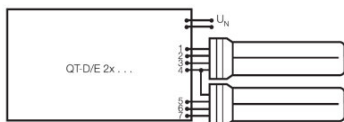
Spectral power distribution

EQUIPMENT / ACCESSORIES

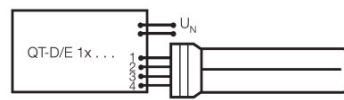
- Suitable for operation on electronic control gear

SAFETY ADVICE

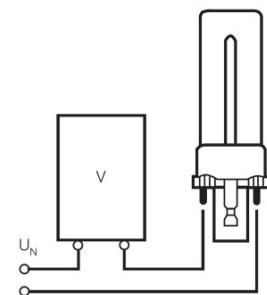
In case of lamp breakage: [www.ledvance.com/brokenlamp](http://www.ledvance.com/brokenlamp)



Circuit diagram



Circuit diagram



Circuit diagram

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300446981	DULUX T/E PLUS 13 W/830	Shipping carton box 10	256 mm x 134 mm x 107 mm	3.67 dm <sup>3</sup>	680.00 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.

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#### 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/830	QT-ECO 1x4-16/220-240 L	4050300660370	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	