

DULUX T/E PLUS 18 W/830

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



Areas of application

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

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

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

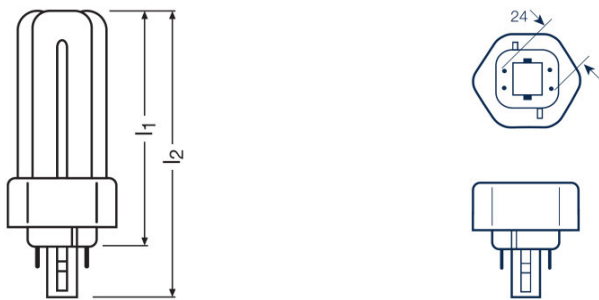
Electrical data

Nominal wattage	18.00 W
Nominal voltage	100 V
Rated lamp efficacy (HF data 25 °C)	Under clarification by authority and standardization body
Rated wattage	18.00 W

Photometrical data

Nominal luminous flux	1200 lm
Light color (designation)	LUMILUX Warm White
Luminous flux at 25 °C	1200 lm
Rated luminous flux	1200 lm
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	0.76

Dimensions & weight



Diameter	12.0 mm
Overall length	115.0 mm
Length	117.0 mm
Length acc. to IEC standard	110 mm

Product datasheet

Length with base excl. base pins/connection	101.00 mm
Outer bulb	T12X3
Maximum diameter	12.0 mm

Lifespan

Nominal lamp life time	20000 h
Rated lamp life time	20000 h
Service life	13000 h
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	0.95
Rated lamp survival factor at 16,000 h	0.81
Rated lamp survival factor at 20,000 h	0.50
Operation mode LLMF/LSF	HF
Lifespan	20000 h ¹⁾

¹⁾ With preheat ECG

Additional product data

Base (standard designation)	GX24q-2
Mercury content	2.1 mg
Product remark	For ECG operation only

Capabilities

Dimmable	Yes
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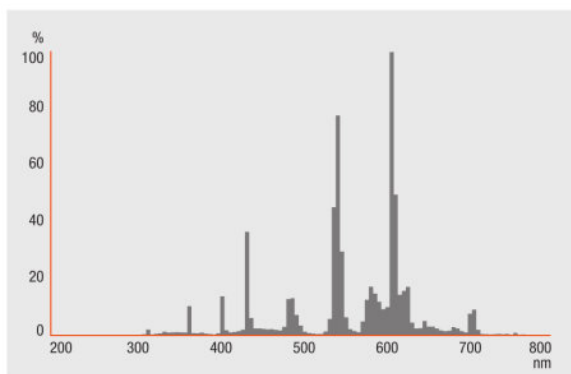
Certificates & standards

Energy efficiency class	A
Energy consumption	20 kWh/1000h

Country specific categorizations

ILCOS	FSMH-18/830-/P/-GX24q-2
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Light Distribution



Spectral power distribution



Guarantee

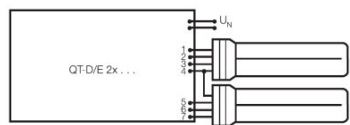
Equipment / Accessories

- Suitable for operation on electronic control gear

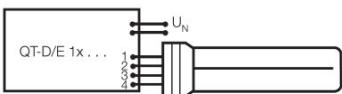
Safety advice

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

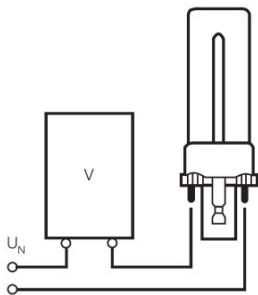
Product datasheet



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
4050300342245	DULUX T/E PLUS 18 W/830	Shipping carton box 10	256 mm x 141 mm x 108 mm	3.90 dm ³	743.00 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.

DULUX T/E PLUS 18 W/830

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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	EEL – Energy Label
DULUX T/E PLUS 18 W/830	QT-ECO 1x18-21/220-240 S	4050300794907	0.14 A	19.00 W	1150 lm	1	A2
	QTi DALI-T/E 1x18-57 DIM	4008321060808	0.09 A	20.00 W	1200 lm	1	
	QTi DALI-T/E 2x18-42 DIM	4008321060822	0.17 A	38.00 W	1200 lm	2	
	QTi-T/E 1x18-57 DIM	4008321060860	0.09 A	20.00 W	1200 lm	1	
	QTi-T/E 2x18-42 DIM	4008321060846	0.17 A	38.00 W	1200 lm	2	
	QTP-T/E 1X18, (2X18)	4008321537065	0.09 A	19.00 W	1*1200 lm	1	
	QTP-T/E (1X18), 2X18	4008321537065	0.16 A	36.00 W	2*2200 lm	2	

Product name	Product name ECG	EAN	Nominal current	Number of lighting outlets
DULUX T/E PLUS 18 W/830	QT-ECO 1x18-21/220-240 S	4050300794907		
	QTi DALI-T/E 1x18-57 DIM	4008321060808		
	QTi DALI-T/E 2x18-42 DIM	4008321060822		
	QTi-T/E 1x18-57 DIM	4008321060860		
	QTi-T/E 2x18-42 DIM	4008321060846		
	QTP-T/E 1X18, (2X18)	4008321537065		
	QTP-T/E (1X18), 2X18	4008321537065		