

PRODUCT DATASHEET

DULUX D/E 18 W/830

OSRAM DULUX D/E | CFLni, 2 tubes, with 4-pin base for ECG operation



AREAS OF APPLICATION

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

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 $R_a: \geq 80$
- Dimmable (3...100 %)
- Short and compact pin-base lamp with double-turn tubes
- Single-ended four-pin plug-in G24q base
- Operates on battery, solar and AC power with suitable electronic control gear



TECHNICAL DATA

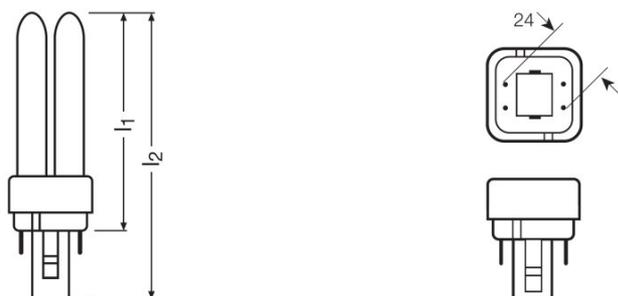
Electrical data

Nominal voltage	100 V
Rated lamp efficacy (HF data 25 °C)	Under clarification by authority and standardization body
Rated wattage	18.70 W
Nominal wattage	18.70 W
Nominal current	0.22 A

Photometrical data

Nominal luminous flux	1200 lm
Luminous flux at 25 °C	1200 lm
Rated luminous flux	1200 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	0.82
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	0.78
Light color (designation)	LUMILUX Warm White
Color temperature	3000 K
Luminous flux	1200 lm
Color rendering index Ra	≥80

Dimensions & weight



Diameter	12.0 mm
Overall length	146.0 mm

Length	146.0 mm
Length acc. to IEC standard	140 mm
Length with base excl. base pins/connection	130.00 mm
Outer bulb	T12X2
Maximum diameter	11.0 mm

Lifespan

Nominal lamp life time	20000 h
Rated lamp life time	20000 h
Service life	13000 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	0.98
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)	G24q-2
Mercury content	1.6 mg

Capabilities

Dimmable	Yes
Suitable for indoor	Yes

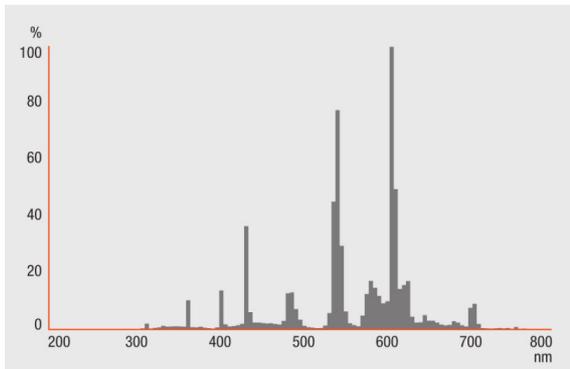
Certificates & standards

Energy consumption	20 kWh/1000h
Energy efficiency class	G

Country-specific categorizations

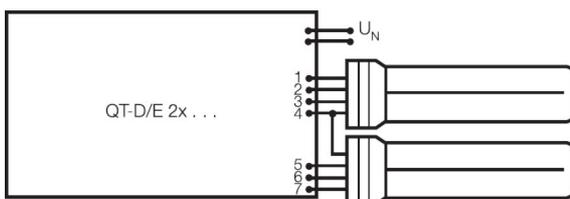
ILCOS	FSQH-18/830-/P/-G24q-2
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Light Distribution

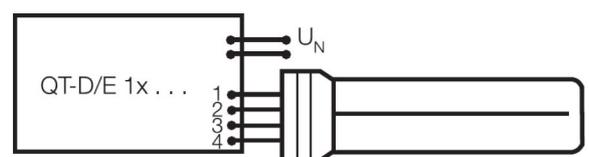


Spectral power distribution

Wiring Diagram



Wiring diagram



Wiring diagram