

## DULUX D 13 W/840

OSRAM DULUX D | CFLni, 2 tubes, with 2-pin base for CCG 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

### Product features

- Average life: 10,000 h
- Color rendering index  $R_a$ : 80...89
- Short and compact pin-base lamp with double-turn tubes
- Single-ended two-pin plug-in G24d base



## Technical data

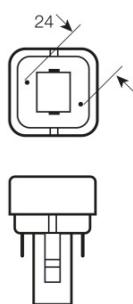
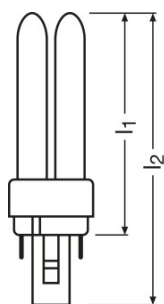
### Electrical data

Nominal wattage	13.00 W
Rated wattage	13.00 W
Energy consumption	17 kWh/1000h

### Photometrical data

Nominal luminous flux	900 lm
Rated luminous flux	900 lm
Color temperature	4000 K
Light color	840
Light color as per EN 12464-1	LUMILUX Cool White
Color rendering index Ra	80...89
Luminous flux at 25 °C	900 lm
Rated LLMF at 4,000 h	0.78
Rated LLMF at 6,000 h	0.76
Rated LLMF at 8,000 h	0.75
Luminance	4 cd/cm <sup>2</sup>
Color rendering group	1B

### Dimensions & weight



Product line drawing

Base

Overall length	138.0 mm
Product weight	40.00 g
Tube diameter	12 mm
Length	138.0 mm

## Product datasheet

<b>Length acc. to IEC standard</b>	130 mm
<b>Length with base excl. base pins/connection</b>	115.00 mm

### Colors & materials

<b>Lamp mercury content</b>	1.4 mg
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### Temperatures

<b>Rated ambient temp.w.max.luminous flux</b>	25.0 °C
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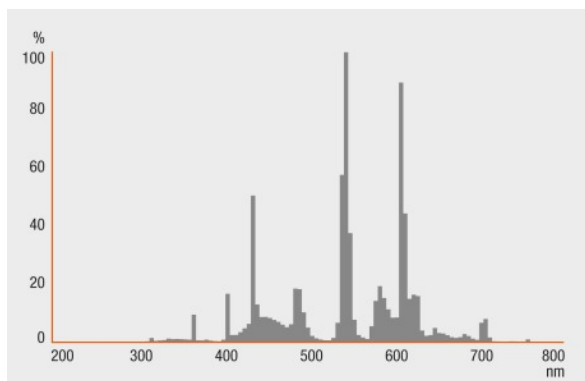
### Lifespan

<b>Nominal lamp life time</b>	10000 h
<b>Rated lamp life time</b>	10000 h
<b>Service life</b>	6500 h
<b>Rated lamp survival factor at 2,000 h</b>	0.98
<b>Rated lamp survival factor at 4,000 h</b>	0.98
<b>Rated lamp survival factor at 6,000 h</b>	0.95
<b>Rated lamp survival factor at 8,000 h</b>	0.81
<b>Operation mode LLMF/LSF</b>	50 Hz
<b>Lifespan</b>	10000 h <sup>1)</sup>

<sup>1)</sup> With CCG/LLCG

### Additional product data

## Product datasheet



Spectral power distribution

Base (standard designation)	G24d-1
Appropriate disposal acc. to WEEE	Yes

### Capabilities

Suitable for indoor	Yes
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### Certificates & standards

Energy efficiency class	A
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### Country specific categorizations

ILCOS	FSQ-13/840-I-G24d-1
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### Country specific information

Product code	METEL code	SEG number	STK number	UK Org
4050300010625	OSRDD13840	8330132	4933874	-

## Product datasheet



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Guarantee

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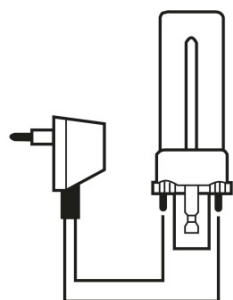
### Equipment / Accessories

- Suitable for operation on conventional control gear

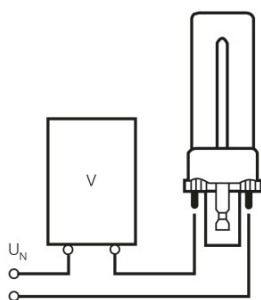
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### Safety advice

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



Circuit diagram



Circuit diagram

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4050300010625	DULUX D 13 W/840	Folding carton box 1	39 mm x 35 mm x 145 mm	0.20 dm <sup>3</sup>	52.00 g
4050300240992	DULUX D 13 W/840	Shipping carton box 50	186 mm x 162 mm x 366 mm	11.03 dm <sup>3</sup>	2764.50 g
4008321042453	DULUX D 13 W/840	Shipping carton box 200	- x - x -		

## Product datasheet

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4050300241005	DULUX D 13 W/840	Shipping carton box 10	84 mm x 161 mm x 187 mm	2.53 dm <sup>3</sup>	583.00 g
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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

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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.