

## DULUX D/E 10 W/840 G24Q-1

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



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

### Product benefits

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- Very economical
- Good quality of light
- Excellent luminous flux
- Long service life
- Improved maintenance
- Easier handling thanks to the new GR14q-1 base system
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC ECG

### Product features

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- Short and compact pin-base lamp with double-turn tubes
- Average life: 20,000 h (with QUICKTRONIC)
- Color rendering index  $R_a$ : 80...89
- Dimmable (3...100 %)
- Single-ended four-pin plug-in G24q base
- Operates on battery, solar and AC power with suitable Electronic Control Gear



## Technical data

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### Electrical data

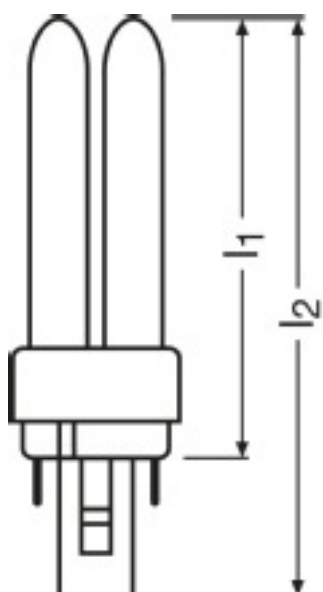
Nominal wattage	10 W
Rated lamp efficacy (HF data)	Under clarification by authority and standardization body
Rated lamp efficacy (standard condition)	60 lm/W
Rated wattage	10 W

### Light technical data

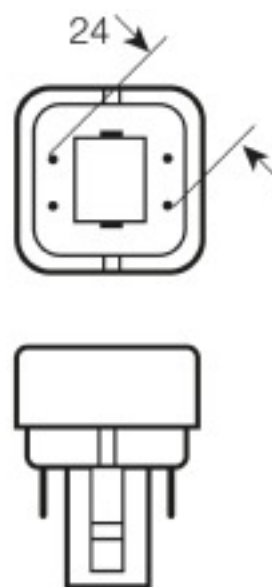
Color rendering index Ra	80...89
Rated luminous flux	600 lm
Luminous flux at 25 °C	600 lm
Light color	840
Color temperature	4000 K
Nominal luminous flux	600 lm
Light color as per EN 12464-1	LUMILUX Cool White
Rated LLMF at 2,000 h	0.90
Rated LLMF at 4,000 h	0.86
Rated LLMF at 6,000 h	0.84
Rated LLMF at 8,000 h	0.82
Rated LLMF at 12,000 h	0.79
Rated LLMF at 16,000 h	0.78
Rated LLMF at 20,000 h	0.76
Luminance	4 cd/cm <sup>2</sup>

### Dimensions & weight

Length	103.0 mm
Length acc. to IEC standard	95 mm
Length with base excl. base pins/connection	87.00 mm



Product line drawing with letters



Base

### Colors & materials

Lamp mercury content	1.4 mg
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### Temperatures

Rated ambient temp.w.max.luminous flux	25.0 °C
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### Lifespan

Service life	13000 h <sup>1)</sup>
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

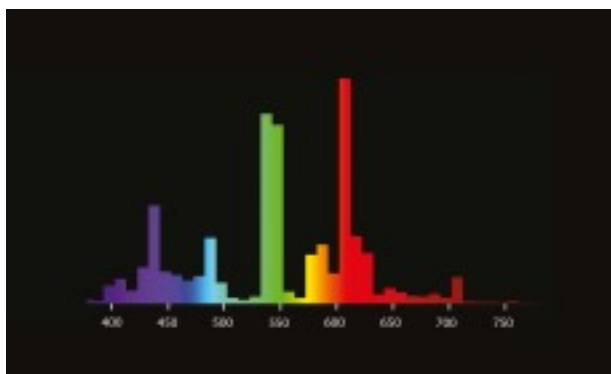
**Lifespan**

Operation mode LLMF/LSF	HF
Lifespan	20000 h <sup>1)</sup>

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

**Additional product data**

Base (standard designation)	G24q-1
Appropriate disposal acc. to WEEE	Yes



*Spectral power distribution*

**Capabilities**

Suitable for indoor	Yes
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**Certificates & standards**

EEI – Energy Label	B
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## Lamp-ECG combination (System)

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### DT-D/E 10-13/220-240 C

Nominal current	0.09 (A)
Nominal wattage	10 (W)
Nominal wattage + Power loss	2.00 (W)
Luminous flux	600 (lm)
Ambient temperature range	-15...+50 (°C)
Number of lighting outlets	1

#### Products

DT-D/E 10-13/220-240 C

### DT-D/E 10-13/220-240 L

Nominal current	0.09 (A)
Nominal wattage	10 (W)
Nominal wattage + Power loss	2.00 (W)
Luminous flux	600 (lm)
Ambient temperature range	-15...+50 (°C)
Number of lighting outlets	1

#### Products

DT-D/E 10-13/220-240 L

### DT-D/E 10-13/220-240 P

Nominal current	0.09 (A)
Nominal wattage	10 (W)
Nominal wattage + Power loss	2.00 (W)
Luminous flux	600 (lm)
Ambient temperature range	-15...+50 (°C)
Number of lighting outlets	1

#### Products

DT-D/E 10-13/220-240 P

**QT-ECO 1x4-16/220-240 L**

Nominal current	0.08 (A)
Nominal wattage	9.5 (W)
Nominal wattage + Power loss	2.00 (W)
Luminous flux	600 (lm)
Ambient temperature range	-15...+50 (°C)
Number of lighting outlets	1

**Products**

QT-ECO 1x4-16/220-240 L

**QT-ECO 1x4-16/220-240 S**

Nominal current	0.08 (A)
Nominal wattage	9.5 (W)
Nominal wattage + Power loss	2.00 (W)
Luminous flux	600 (lm)
Ambient temperature range	-15...+50 (°C)
Number of lighting outlets	1

**Products**

QT-ECO 1x4-16/220-240 S

**QT-ECO 2x5-11/220-240 S**

Nominal current	0.14 (A)
Nominal wattage	18 (W)
Nominal wattage + Power loss	2.00 (W)
Luminous flux	600 (lm)
Ambient temperature range	-15...+50 (°C)
Number of lighting outlets	2

**Products**

QT-ECO 2x5-11/220-240 S

**QTP-D/E 1x10-13**

Nominal current	0.05 (A)
Nominal wattage	10 (W)
Nominal wattage + Power loss	2.00 (W)
Luminous flux	600 (lm)
Ambient temperature range	-20...+50 (°C)
Number of lighting outlets	1

**Products**

QTP-D/E 1x10-13

**QTP-D/E 2x10-13**

Nominal current	0.09 (A)
Nominal wattage	19.5 (W)
Nominal wattage + Power loss	1.50 (W)
Luminous flux	600 (lm)
Ambient temperature range	-20...+50 (°C)
Number of lighting outlets	2

**Products**

QTP-D/E 2x10-13

**Equipment / Accessories**

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- Suitable for operation on electronic control gear

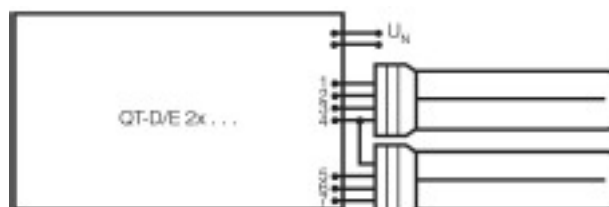
**Safety advice**

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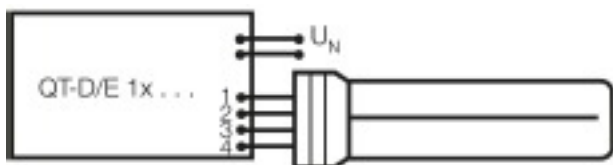
In case of lamp breakage: [www.osram.com/brokenlamp](http://www.osram.com/brokenlamp)



Circuit diagram



Circuit diagram



Circuit diagram



**Logistical Data**

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4050300017587	Folding carton box 1	36 mm x 36 mm x 120 mm	37.60 g	0.16 dm <sup>3</sup>
4050300251172	Shipping carton box 10	82 mm x 133 mm x 186 mm	428.00 g	2.03 dm <sup>3</sup>

## References / Links

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For more information on QUICKTRONIC electronic control gear go to

▶ [www.osram.com/QUICKTRONIC](http://www.osram.com/QUICKTRONIC)

## Disclaimer

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