

## DULUX D/E 18 W/827 G24Q-2

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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

### Electrical data

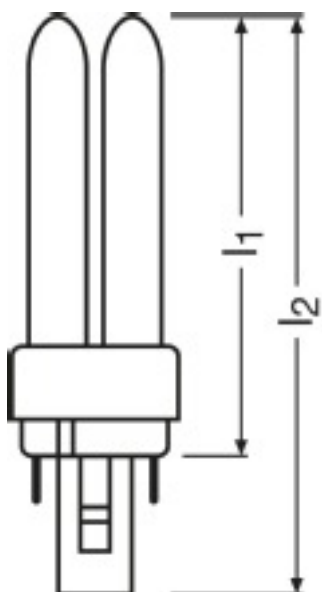
Nominal wattage	18 W
Rated lamp efficacy (HF data)	Under clarification by authority and standardization body
Rated lamp efficacy (standard condition)	67 lm/W
Rated wattage	18 W

### Light technical data

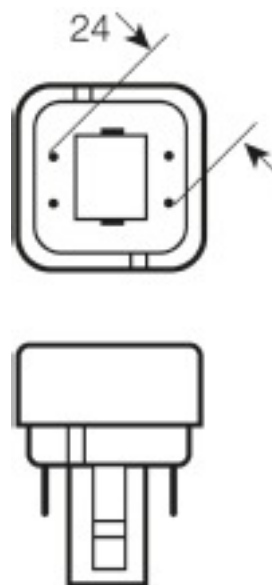
Color rendering index Ra	80...89
Rated luminous flux	1200 lm
Luminous flux at 25 °C	1200 lm
Light color	827
Color temperature	2700 K
Nominal luminous flux	1200 lm
Light color as per EN 12464-1	LUMILUX INTERNA
Rated LLMF at 2,000 h	0.89
Rated LLMF at 4,000 h	0.86
Rated LLMF at 6,000 h	0.84
Rated LLMF 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	4.5 cd/cm <sup>2</sup>

### Dimensions & weight

Tube diameter	12 mm
Length	146.0 mm
Length acc. to IEC standard	140 mm
Length with base excl. base pins/connection	130.00 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**

<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>	G24q-2
<b>Appropriate disposal acc. to WEEE</b>	Yes

**Capabilities**

<b>Suitable for indoor</b>	Yes
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**Certificates & standards**

<b>EEI – Energy Label</b>	B
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## Lamp-ECG combination (System)

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### DT-T/E 18/230-240 C

Nominal current	0.10 (A)
Nominal wattage	17.5 (W)
Nominal wattage + Power loss	2.50 (W)
Luminous flux	1200 (lm)
Ambient temperature range	-20...+50 (°C)
Number of lighting outlets	1

#### Products

DT-T/E 18/230-240 C

### DT-T/E 18/230-240 L

Nominal current	0.10 (A)
Nominal wattage	17.5 (W)
Nominal wattage + Power loss	2.50 (W)
Luminous flux	1200 (lm)
Ambient temperature range	-20...+50 (°C)
Number of lighting outlets	1

#### Products

DT-T/E 18/230-240 L

### DT-T/E 18/230-240 P

Nominal current	0.10 (A)
Nominal wattage	17.5 (W)
Nominal wattage + Power loss	2.50 (W)
Luminous flux	1200 (lm)
Ambient temperature range	-20...+50 (°C)
Number of lighting outlets	1

#### Products

DT-T/E 18/230-240 P

**QT-ECO 1x18-21/220-240 S**

Nominal current	0.14 (A)
Nominal wattage	16.5 (W)
Nominal wattage + Power loss	2.50 (W)
Luminous flux	1150 (lm)
Ambient temperature range	-15...+50 (°C)
Number of lighting outlets	1

**Products**

QT-ECO 1x18-21/220-240 S

**QT-ECO T/E 2x18/220-240**

Nominal current	0.18 (A)
Nominal wattage	32 (W)
Nominal wattage + Power loss	4.00 (W)
Luminous flux	1150 (lm)
Ambient temperature range	-15...+50 (°C)
Number of lighting outlets	2

**Products**

QT-ECO T/E 2x18/220-240

**QTP-T/E 1x18**

Nominal current	0.08 (A)
Nominal wattage	17 (W)
Nominal wattage + Power loss	2.00 (W)
Luminous flux	1200 (lm)
Ambient temperature range	-20...+50 (°C)
Number of lighting outlets	1

**Products**

QTP-T/E 1x18

**QTP-T/E 2x18**

Nominal current	0.16 (A)
Nominal wattage	34 (W)
Nominal wattage + Power loss	4.00 (W)
Luminous flux	1200 (lm)
Ambient temperature range	-20...+50 (°C)
Number of lighting outlets	2

**Products**

QTP-T/E 2x18

**QTi DALI-T/E 1x18-57 DIM**

Nominal current	0.09 (A)
Nominal wattage	18 (W)
Nominal wattage + Power loss	2.00 (W)
Luminous flux	1200 (lm)
Ambient temperature range	+10...+50 (°C)
Number of lighting outlets	1

**Products**

QTi DALI-T/E 1x18-57 DIM

**QTi DALI-T/E 2x18-42 DIM**

Nominal current	0.17 (A)
Nominal wattage	33.4 (W)
Nominal wattage + Power loss	4.60 (W)
Luminous flux	1200 (lm)
Ambient temperature range	+10...+50 (°C)
Number of lighting outlets	2

**Products**

QTi DALI-T/E 2x18-42 DIM

**QTi-T/E 1x18-57 DIM**

Nominal current	0.09 (A)
Nominal wattage	17.7 (W)
Nominal wattage + Power loss	2.30 (W)
Luminous flux	1200 (lm)
Ambient temperature range	+10...+50 (°C)
Number of lighting outlets	1

**Products**

QTi-T/E 1x18-57 DIM

**QTi-T/E 2x18-42 DIM**

Nominal current	0.17 (A)
Nominal wattage	33.4 (W)
Nominal wattage + Power loss	4.60 (W)
Luminous flux	1200 (lm)
Ambient temperature range	+10...+50 (°C)
Number of lighting outlets	2

**Products**

QTi-T/E 2x18-42 DIM

**Equipment / Accessories**

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- Suitable for operation on electronic control gear

**Safety advice**

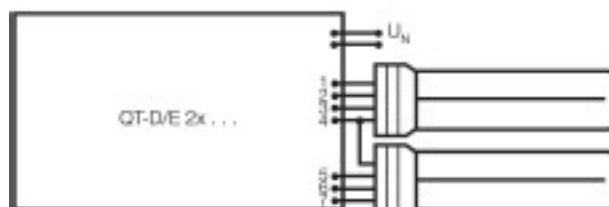
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In case of lamp breakage: [www.osram.com/brokenlamp](http://www.osram.com/brokenlamp)

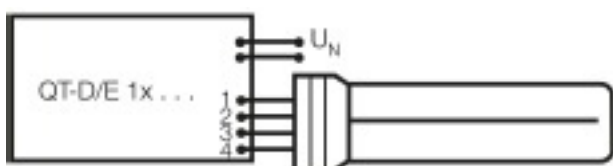




Circuit diagram



Circuit diagram



Circuit diagram

**Logistical Data**

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<b>Product code</b>	<b>Packaging unit (Pieces/Unit)</b>	<b>Dimensions (height x width x length)</b>	<b>Gross weight</b>	<b>Volume</b>
4050300012148	Folding carton box 1	36 mm x 36 mm x 161 mm	55.57 g	0.21 dm <sup>3</sup>
4050300325996	Shipping carton box 10	100 mm x 158 mm x 186 mm	609.17 g	2.94 dm <sup>3</sup>

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## 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.