

## DULUX L 18 W/827 2G11

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OSRAM DULUX L LUMILUX | CFLni, 1 tube, with 4-pin base for ECG/CCG operation



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

### Product benefits

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- Very economical
- Outstanding luminous flux
- Outstanding luminous efficiency
- Long service life
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC ECG
- Less than half as long as tubular fluorescent lamps
- Improved maintenance

### Product features

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- Short and compact pin-base lamp with double-turn tubes
- Single-ended four-pin plug-in 2G11 base
- Dimmable (1...100 % with QUICKTRONIC QT<sub>i</sub> DALI/DIM)
- Color rendering index R<sub>a</sub>: 80...89
- Average life: 20,000 h (with QUICKTRONIC)
- Operates on battery, solar and AC power with suitable Electronic Control Gear
- Also available in blue



## Technical data

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### Electrical data

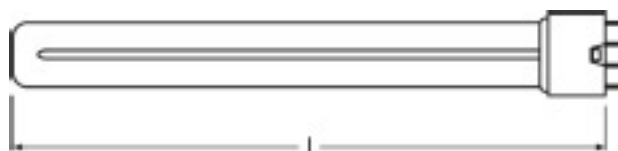
|  |         |
|--|---------|
| Nominal wattage                          | 18 W    |
| Rated lamp efficacy (standard condition) | 67 lm/W |
| Rated wattage                            | 18 W    |

### Light technical data

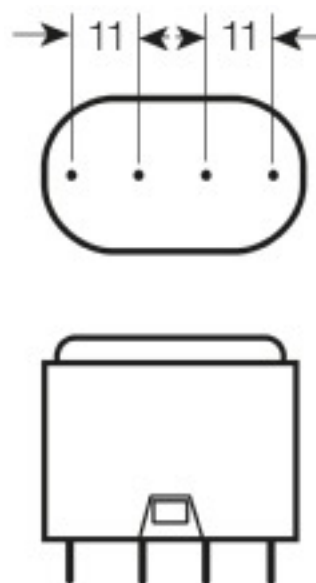
|                               |                        |
|-------------------------------|------------------------|
| Color rendering index Ra      | 80...89                |
| Rated luminous flux           | 1200 lm                |
| Luminous flux at 25 °C        | 1200 lm                |
| Light 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         | 0.93                   |
| Rated LLMF at 4,000 h         | 0.90                   |
| Rated LLMF at 6,000 h         | 0.88                   |
| Rated LLMF at 8,000 h         | 0.86                   |
| Rated LLMF at 12,000 h        | 0.84                   |
| Rated LLMF at 16,000 h        | 0.81                   |
| Rated LLMF at 20,000 h        | 0.80                   |
| Luminance                     | 2.1 cd/cm <sup>2</sup> |

### Dimensions & weight

|                             |          |
|-----------------------------|----------|
| Tube diameter               | 17.5 mm  |
| Length                      | 217.0 mm |
| Length acc. to IEC standard | 225 mm   |



Product line drawing with letters



Base

### Colors & materials

|                      |        |
|----------------------|--------|
| Lamp mercury content | 1.7 mg |
|----------------------|--------|

### Temperatures

|  |         |
|--|---------|
| Rated ambient temp.w.max.luminous flux | 25.0 °C |
|--|---------|

### 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                  |

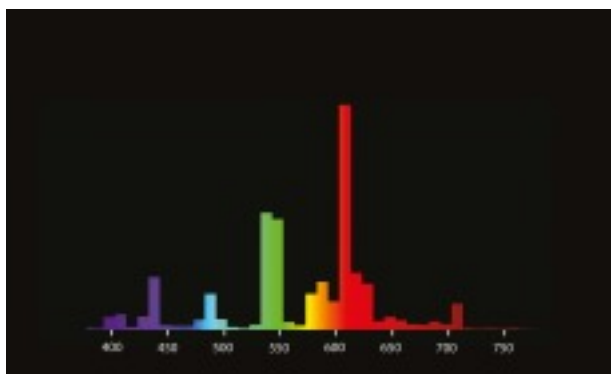
**Lifespan**

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

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

**Additional product data**

|                                   |      |
|-----------------------------------|------|
| Base (standard designation)       | 2G11 |
| Appropriate disposal acc. to WEEE | Yes  |



*Spectral power distribution*

**Capabilities**

|                     |     |
|---------------------|-----|
| Suitable for indoor | Yes |
|---------------------|-----|

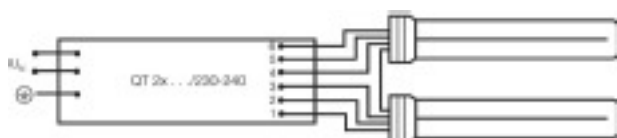
**Certificates & standards**

|                    |   |
|--------------------|---|
| EEI – Energy Label | B |
|--------------------|---|

## Equipment / Accessories

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- Suitable for standard control gears and starters
- Suitable for operation on electronic and conventional control gear



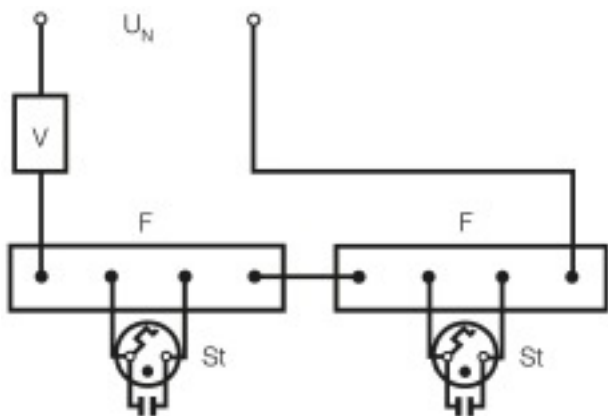
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*Circuit diagram*

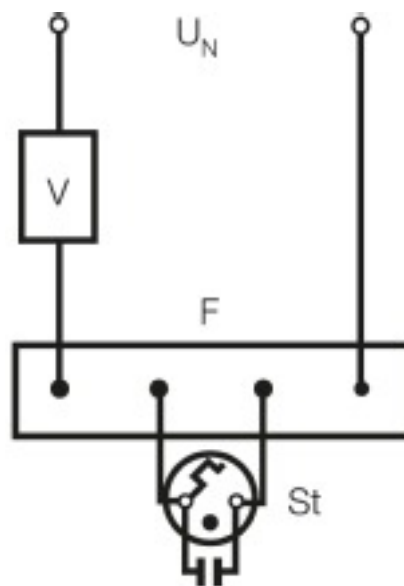


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*Circuit diagram*



Circuit diagram



Circuit diagram

**Logistical Data**

| Product code  | Packaging unit<br>(Pieces/Unit) | Dimensions (height x<br>width x length) | Gross weight | Volume               |
|---------------|---------------------------------|---|--------------|----------------------|
| 4050300010748 | Folding carton box<br>1         | 46 mm x 30 mm x 246<br>mm               | 71.80 g      | 0.34 dm <sup>3</sup> |
| 4050300242163 | Shipping carton box<br>10       | 136 mm x 103 mm x<br>260 mm             | 795.20 g     | 3.64 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)

For more information on the system guarantee and the terms and conditions of the guarantee visit

- ▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

## Disclaimer

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