

## PRODUCT DATASHEET

### DULUX L 18 W/827 2G11

OSRAM DULUX® L LUMILUX® | CFLni, with 4-pin 2G11 base for ECG/CCG operation



#### Areas of application

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

#### Product benefits

- Less than half as long as tubular fluorescent lamps

#### Product features

- 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)
- Good color rendering index



TECHNICAL DATA

Electrical data

|                      |         |
|----------------------|---------|
| Nominal wattage      | 18 W    |
| Construction wattage | 18.90 W |
| Nominal voltage      | 58 V    |
| Nominal current      | 0.38 A  |

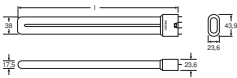
Photometrical data

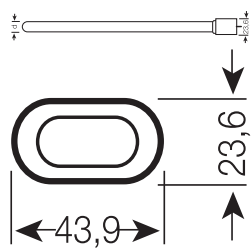
|                           |                 |
|---------------------------|-----------------|
| Luminous flux             | 1175 lm         |
| Luminous efficacy         | 62 lm/W         |
| Light color (designation) | LUMILUX INTERNA |
| Color temperature         | 2700 K          |
| Color rendering index Ra  | ≥80             |
| Light color               | 827             |
| Rated LLMF at 2,000 h     | 0.94            |
| Rated LLMF at 4,000 h     | 0.90            |
| Rated LLMF at 6,000 h     | 0.88            |
| Rated LLMF at 8,000 h     | 0.85            |
| Rated LLMF at 12,000 h    | 0.84            |
| Rated LLMF at 16,000 h    | 0.81            |
| Rated LLMF at 20,000 h    | 0.80            |



349636\_FL\_827

Dimensions & Weight





|                                             |           |
|---------------------------------------------|-----------|
| Overall length                              | 221.00 mm |
| Length with base excl. base pins/connection | 214.00 mm |
| Diameter                                    | 17,5 mm   |
| Tube diameter                               | 17,5 mm   |
| Product weight                              | 55.4 g    |

Temperatures & operating conditions

|                           |             |
|---------------------------|-------------|
| Ambient temperature range | -5...+40 °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   | 0.81                  |
| Rated lamp survival factor at 20,000 h | 0.50                  |
| Lifespan B50                           | 20000 h               |

1) With preheat ECG

Additional product data

|                             |                           |
|-----------------------------|---------------------------|
| Base (standard designation) | 2G11                      |
| Mercury content             | 2.5 mg                    |
| Product remark              | For ECG and CCG operation |

Capabilities

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Certificates & Standards

|                         |                 |
|-------------------------|-----------------|
| Energy efficiency class | G               |
| Energy consumption      | 19.00 kWh/1000h |

### Country-specific categorizations

|                 |                            |
|-----------------|----------------------------|
| ILCOS           | FSD-18/827-E-2G11-43,9/217 |
| Order reference | DULUX L 18W/827            |

### Energy labelling regulation data acc EU 2019/2015

|                                                     |              |
|-----------------------------------------------------|--------------|
| Lighting technology used                            | CFLNI        |
| Non-directional or directional                      | NDLS         |
| Mains or non-mains                                  | NMLS         |
| Light source cap-type (or other electric interface) | 2G11         |
| Connected light source (CLS)                        | No           |
| Color-tuneable light source                         | No           |
| Envelope                                            | No           |
| High luminance light source                         | No           |
| Anti-glare shield                                   | No           |
| Correlated colour temperature type                  | SINGLE_VALUE |
| Claim of equivalent power                           | No           |
| Length                                              | 221.00 mm    |
| Height                                              | 17,5 mm      |
| Width                                               | 17,5 mm      |
| Chromaticity coordinate x                           | 0,455        |
| Chromaticity coordinate y                           | 0,415        |
| Beam angle correspondence                           | SPHERE_360   |
| EPREL ID                                            | 666232       |
| Model number                                        | AC35912      |

### EQUIPMENT / ACCESSORIES

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

### Safety advice

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

## DOWNLOAD DATA

| Documents and certificates                                                        |                             | Document name                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------|
|   | Declarations of conformity  | EC Declaration of Conformity - 2021 9C1-4077919-EN-00 - DULUX L                 |
|   | Certificates                | EAC RU C-DE.HA46.B.01131_21 21.05.2021-20.05.2026 Expert Certification - CFLpin |
|   | Certificates                | EAC N RU D-DE.MU62.B.00933_20 06.03.2020-05.03.2025 Prommash Test - CFLpin      |
| Photometric and lighting design files                                             |                             | Document name                                                                   |
|  | Spectral power distribution | 349636_FL_827                                                                   |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4050300010748 | Folding box<br>1             | 27 mm x 46 mm x 246 mm               | 71.80 g      | 0.31 dm <sup>3</sup> |
| 4050300242163 | Shipping box<br>10           | 260 mm x 136 mm x 103 mm             | 795.20 g     | 3.64 dm <sup>3</sup> |

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.

## References / Links

– For more information on the system guarantee and the terms and conditions of the guarantee visit [www.ledvance.com/system-guarantee](http://www.ledvance.com/system-guarantee)

## DISCLAIMER

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