

DULUX F 18 W/840 2G10

OSRAM DULUX F | Flat CFLni, 2 tubes, with 4-pin base for ECG/CCG operation



Areas of application

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

Product benefits

- Very economical
- Good quality of light
- Excellent luminous efficiency
- Extremely low profile
- Long service life

Product features

- Short and compact pin-base lamp with double-turn tubes
- Single-ended four-pin plug-in 2G10 base
- Average life: 10,000 h
- Color rendering index R_a : 80...89



Product datasheet

Technical data

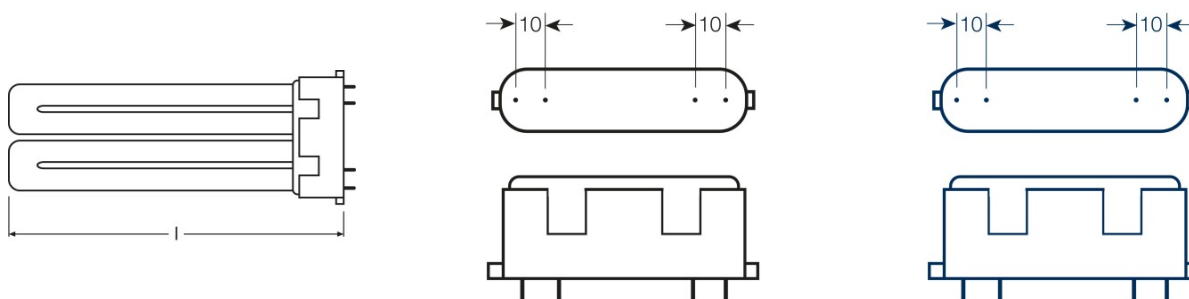
Electrical data

| | |
|---------------------|---------|
| Nominal wattage | 18.00 W |
| Rated wattage | 18.00 W |
| Rated luminous flux | 1100 lm |

Photometrical data

| | |
|-------------------------------|------------------------|
| Nominal luminous flux | 1100 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 | 1100 lm |
| Rated LLMF at 4,000 h | 0.86 |
| Rated LLMF at 6,000 h | 0.83 |
| Rated LLMF at 8,000 h | 0.81 |
| Rated LLMF at 12,000 h | 0.79 |
| Luminance | 2.4 cd/cm ² |
| Color rendering group | 1B |

Dimensions & weight



| | |
|-----------------------------|----------|
| Overall length | 122.0 mm |
| Product weight | 73.00 g |
| Tube diameter | 17.5 mm |
| Length | 122.0 mm |
| Length acc. to IEC standard | 122 mm |

Temperatures

Product datasheet

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

Lifespan

| | |
|--|-----------------------|
| Nominal lamp life time | 13000 h |
| Rated lamp life time | 13000 h |
| Service life | 9000 h ¹⁾ |
| 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 | 0.95 |
| Rated lamp survival factor at 12,000 h | 0.64 |
| Operation mode LLMF/LSF | HF |
| Lifespan | 10000 h ¹⁾ |

¹⁾ With preheat ECG

Additional product data

| | |
|-----------------------------------|--------|
| Base (standard designation) | 2G10 |
| Lamp mercury content | 2.4 mg |
| Appropriate disposal acc. to WEEE | Yes |

Capabilities

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

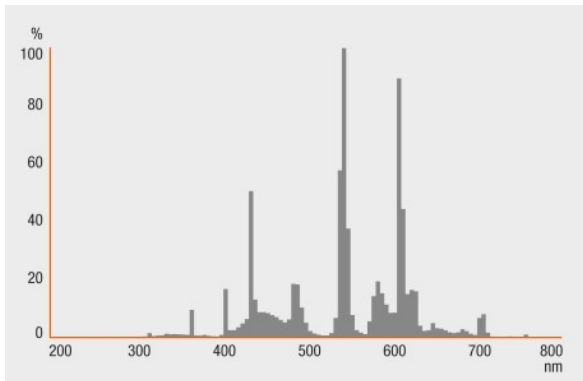
Certificates & standards

| | |
|-------------------------|--------------|
| Energy efficiency class | A |
| Energy consumption | 20 kWh/1000h |

Country specific categorizations

| | |
|-------|--------------------------|
| ILCOS | FSD-18/840-E-2G10-90/122 |
|-------|--------------------------|

Light Distribution



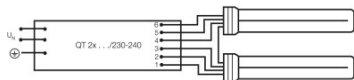
Spectral power distribution

Equipment / Accessories

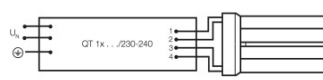
- Suitable for operation on electronic and conventional control gear

Safety advice

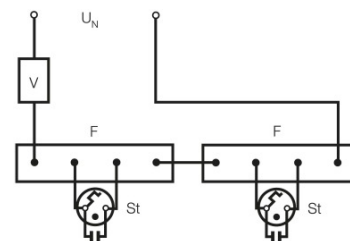
In case of lamp breakage: www.osram.com/brokenlamp



Circuit diagram

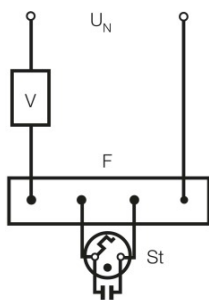


Circuit diagram



Circuit diagram

Product datasheet



Circuit diagram

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|-----------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4050300333526 | DULUX F 18 W/840 2G10 | Shipping carton box 10 | 280 mm x 105 mm x 150 mm | 4.41 dm ³ | 1066.00 g |

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 QUICKTRONIC electronic control gear go to

▶ www.osram.com/QUICKTRONIC

Disclaimer

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

DULUX F 18 W/840 2G10

OSRAM DULUX F | Flat CFLni, 2 tubes, with 4-pin base for ECG/CCG operation

| Product name | Product name ECG | EAN | Nominal current | Nominal wattage + Power loss | Luminous flux at 35 °C | Number of lighting outlets |
|----------------------|--------------------------|---------------|-----------------|------------------------------|------------------------|----------------------------|
| DULUX F 18W/840 2G10 | QT-ECO 1x18-24/220-240 L | 4050300660417 | 0.13 A | 18.00 W | 1000 lm | 1 |
| | QT-ECO 1x18-24/220-240 S | 4050300638560 | 0.13 A | 18.00 W | 1000 lm | 1 |
| | QTi 1x18 DIM | 4050300870601 | 0.08 A | 18.00 W | 1100 lm | 1 |
| | QTi 2x18 DIM | 4050300870960 | 0.16 A | 37.00 W | 1100 lm | 2 |
| | QTi 3x18 DIM | 4008321069931 | 0.24 A | 53.60 W | 1100 lm | 3 |
| | QTi 4x18 DIM | 4008321070012 | 0.31 A | 69.30 W | 1100 lm | 4 |
| | QTi DALI 1x18 DIM | 4050300870403 | 0.08 A | 18.00 W | 1100 lm | 1 |
| | QTi DALI 2x18 DIM | 4050300870526 | 0.16 A | 37.00 W | 1100 lm | 2 |
| | QTi DALI 3x18 DIM | 4008321069979 | 0.24 A | 53.60 W | 1100 lm | 3 |
| | QTi DALI 4x18 DIM | 4008321070050 | 0.31 A | 69.30 W | 1100 lm | 4 |
| | QTP-DL 1x18-24 | 4008321117861 | 0.085 A | 18.00 W | 1100 lm | 1 |
| | QTP-DL 2x18-24 | 4008321117885 | 0.16 A | 36.00 W | 1100 lm | 2 |
| | QTP-M 1x26-42 | 4008321329134 | 0.09 A | 19.00 W | 1050 lm | 1 |
| | QTP-M 2x26-32 | 4008321329158 | 0.16 A | 36.00 W | 1050 lm | 2 |
| | QTP-OPTIMAL 1x18-40 | 4008321873743 | 0.08 A | 18.00 W | 1050 lm | 1 |
| | QTP-OPTIMAL 2x18-40 | 4008321873767 | 0.16 A | 33.00 W | 1050 lm | 2 |