

## DULUX D/E 18 W/840

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



### Areas of application

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

### Product benefits

- Extremely economical
- Good quality of light
- Excellent luminous flux
- Long service life
- Improved maintenance
- OSRAM System+ Guarantee in combination with OSRAM QUICKTRONIC ECG

### Product features

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



# Product datasheet

## Technical data

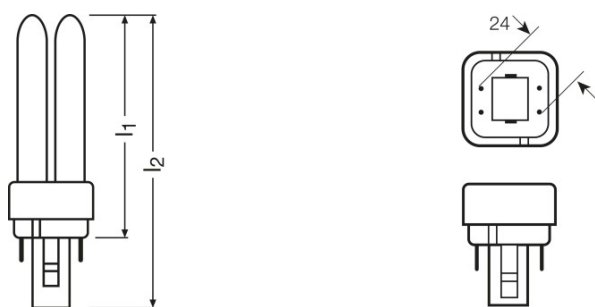
### Electrical data

|                                     |   |
|-------------------------------------|---|
| Nominal wattage                     | 18.0 W  |
| Rated wattage                       | 18.00 W   |
| Rated lamp efficacy (HF data 25 °C) | Under clarification by authority and standardization body |

### Photometrical data

|                               |                        |
|-------------------------------|------------------------|
| Nominal luminous flux         | 1200 lm                |
| Rated luminous flux           | 1200 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        | 1200 lm                |
| Rated LLMF at 4,000 h         | 0.84                   |
| Rated LLMF at 6,000 h         | 0.82                   |
| Rated LLMF at 8,000 h         | 0.81                   |
| 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> |
| Color rendering group         | 1B                     |

### Dimensions & weight



|                |          |
|----------------|----------|
| Overall length | 146.0 mm |
| Product weight | 44.00 g  |
| Tube diameter  | 12 mm    |

## Product datasheet

|   |           |
|---|-----------|
| Length                                      | 146.0 mm  |
| Length acc. to IEC standard                 | 140 mm    |
| Length with base excl. base pins/connection | 130.00 mm |

### Temperatures

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

### Lifespan

|  |                       |
|--|-----------------------|
| Nominal lamp life time                 | 20000 h               |
| Rated lamp life time                   | 20000 h               |
| 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  | 0.98                  |
| 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                  |
| Operation mode LLMF/LSF                | HF                    |
| Lifespan                               | 20000 h <sup>1)</sup> |

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

### Additional product data

|                                   |        |
|-----------------------------------|--------|
| Base (standard designation)       | G24q-2 |
| Lamp mercury content              | 1.9 mg |
| Appropriate disposal acc. to WEEE | Yes    |

### Capabilities

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

### Certificates & standards

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

### Country specific categorizations

|       |                        |
|-------|------------------------|
| ILCOS | FSQH-18/840-/P/-G24q-2 |
|-------|------------------------|

## Light Distribution

---



## Spectral power distribution



## Guarantee

---

### Equipment / Accessories

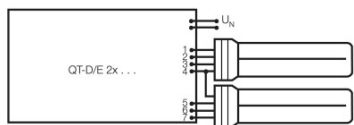
- Suitable for operation on electronic control gear

---

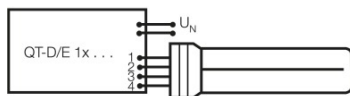
### Safety advice

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

## Product datasheet



Circuit diagram



Circuit diagram

### Logistical Data

| Product code  | Product description   | Packaging unit<br>(Pieces/Unit) | Dimensions (length<br>x width x height) | Volume               | Gross weight |
|---------------|-----------------------|---------------------------------|---|----------------------|--------------|
| 4050300017617 | DULUX D/E 18<br>W/840 | Shipping carton box<br>10       | 151 mm x 173 mm x<br>120 mm             | 3.13 dm <sup>3</sup> | 615.00 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](http://www.osram.com/QUICKTRONIC)

### Disclaimer

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

## DULUX D/E 18 W/840

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

| Product name             | Product name ECG         | EAN           | Nominal current | Nominal wattage + Power loss | Luminous flux at 25 °C | Number of lighting outlets |
|--------------------------|--------------------------|---------------|-----------------|------------------------------|------------------------|----------------------------|
| DULUX D/E 18W/840 G24Q-2 | DT-T/E 18/230-240 C      |               | 0.10 A          | 20.00 W                      | 1200 lm                | 1                          |
|                          | DT-T/E 18/230-240 P      |               | 0.10 A          | 20.00 W                      | 1200 lm                | 1                          |
|                          | QT-ECO 1x18-21/220-240 S | 4050300794907 | 0.14 A          | 19.00 W                      | 1150 lm                | 1                          |
|                          | QT-ECO T/E 2x18/220-240  | 4050300803982 | 0.18 A          | 36.00 W                      | 2*1150 lm              | 2                          |
|                          | QTi DALI-T/E 1x18-57 DIM | 4008321060808 | 0.09 A          | 20.00 W                      | 1200 lm                | 1                          |
|                          | QTi DALI-T/E 2x18-42 DIM | 4008321060822 | 0.17 A          | 38.00 W                      | 2*1200 lm              | 2                          |
|                          | QTi-T/E 1x18-57 DIM      | 4008321060860 | 0.09 A          | 20.00 W                      | 1200 lm                | 1                          |
|                          | QTi-T/E 2x18-42 DIM      | 4008321060846 | 0.17 A          | 38.00 W                      | 2*1200 lm              | 2                          |
|                          | QTP-T/E 1X18, (2X18)     | 4008321537065 | 0.09 A          | 19.00 W                      | 1*1200 lm              | 1                          |
|                          | QTP-T/E (1X18), 2X18     | 4008321537065 | 0.16 A          | 36.00 W                      | 2*1200 lm              | 2                          |
| QTP-T/E 2x18             | 4008321181619            | 0.16 A        | 38.00 W         | 2*1200 lm                    | 2                      |                            |