

PRODUCT DATASHEET

DULUX T/E PLUS 13 W/827

OSRAM DULUX T/E PLUS | CFLni, 3 tubes, with 4-pin base for ECG operation



AREAS OF APPLICATION

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

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 triple-turn tubes
- Single-ended four-pin plug-in GX24q base with shortened base casing



TECHNICAL DATA

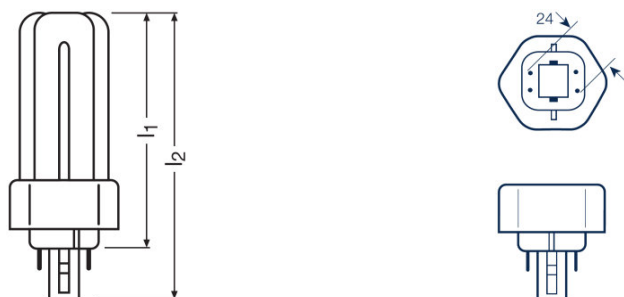
Electrical data

| | |
|-------------------------------------|---|
| Nominal wattage | 13.00 W |
| Rated lamp efficacy (HF data 25 °C) | Under clarification by authority and standardization body |
| Rated wattage | 13.00 W |

Photometrical data

| | |
|---------------------------|-----------------|
| Nominal luminous flux | 900 lm |
| Light color (designation) | LUMILUX INTERNA |
| Luminous flux at | 900 lm |
| Rated luminous flux | 900 lm |
| Rated color temperature | 2700 K |
| Color rendering index Ra | ≥80 |
| Rated LLMF at 2,000 h | 0.90 |
| Rated LLMF at 4,000 h | 0.84 |
| Rated LLMF at 6,000 h | 0.83 |
| 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 | 0.77 |

Dimensions & weight



| | |
|---|----------|
| Diameter | 11.0 mm |
| Overall length | 104.0 mm |
| Length | 106.0 mm |
| Length acc. to IEC standard | 90 mm |
| Length with base excl. base pins/connection | 90.00 mm |
| Outer bulb | T12X3 |
| Maximum diameter | 12.0 mm |

Lifespan

| | |
|--|-----------------------|
| Nominal lamp life time | 20000 h |
| Rated lamp life time | 20000 h |
| Service life | 13000 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 | 0.99 |
| 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 |
| Operation mode LLMF/LSF | HF |
| Lifespan | 20000 h ¹⁾ |

¹⁾ With preheat ECG

Additional product data

| | |
|-----------------------------|---------|
| Base (standard designation) | GX24q-1 |
| Mercury content | 1.7 mg |

Capabilities

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

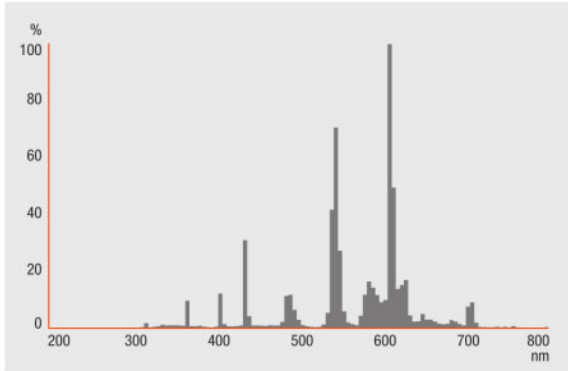
Certificates & standards

| | |
|-------------------------|--------------|
| Energy efficiency class | A |
| Energy consumption | 15 kWh/1000h |

Country specific categorizations

| | |
|-------|-------------------------|
| ILCOS | FSMH-13/827-/P/-GX24q-1 |
|-------|-------------------------|

Light Distribution



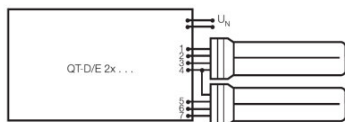
Spectral power distribution

EQUIPMENT / ACCESSORIES

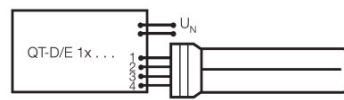
- Suitable for operation on electronic control gear

SAFETY ADVICE

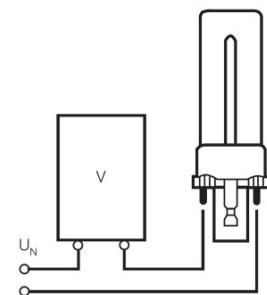
In case of lamp breakage: www.ledvance.com/brokenlamp



Circuit diagram



Circuit diagram



Circuit diagram

LOGISTICAL DATA

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|----------------------------|---------------------------------|---|----------------------|--------------|
| 4050300447001 | DULUX T/E PLUS 13 W/827 | Shipping carton box 10 | 260 mm x 133 mm x 107 mm | 3.70 dm ³ | 714.00 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.

DISCLAIMER

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

OSRAM DULUX T/E PLUS | CFLni, 3 tubes, with 4-pin base for ECG operation

| Product name | Product name ECG | EAN | Nominal current | Nominal wattage + Power loss | Luminous flux at | Number of lighting outlets | EEI – Energy Label |
|-------------------------|-------------------------|---------------|-----------------|------------------------------|------------------|----------------------------|--------------------|
| DULUX T/E PLUS 13 W/827 | QT-ECO 1x4-16/220-240 L | 4050300660370 | 0.10 A | 14.00 W | 800 lm | 1 | A2 |
| | QT-ECO 1x4-16/220-240 S | 4050300638584 | 0.10 A | 14.00 W | 800 lm | 1 | A2 |
| | QTP-D/E 1x10-13 | 4008321181572 | 0.07 A | 15.00 W | 900 lm | 1 | |
| | QTP-D/E 2x10-13 | 4008321181596 | 0.13 A | 29.00 W | 900 lm | 2 | |