

PRODUCT DATASHEET

CFL SQUARE 16 W/827 GR10Q

OSRAM CFL SQUARE® 4 pins | Square CFLni with 4-pin GR10q base for ECG/CCG operation



Areas of application

- Low-profile wall and ceiling luminaires
- Public buildings, reception areas, offices, corridors, etc.
- Shops
- Supermarkets and department stores
- Hotels, restaurants

Product benefits

- Square shape provides uniform distribution of light
- No shadows at either end and no dark patches
- Extremely low profile

Product features

- Short and compact pin-base lamp with double-turn tubes
- Single-ended four-pin plug-in GR10q base
- Good color rendering index



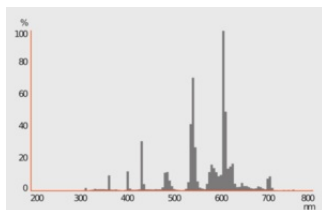
TECHNICAL DATA

Electrical data

| | |
|----------------------|---------|
| Nominal wattage | 16 W |
| Construction wattage | 16.70 W |
| Nominal voltage | 103 V |
| Nominal current | 0.2 A |

Photometrical data

| | |
|---------------------------|-----------------|
| Luminous flux | 1050 lm |
| Luminous efficacy | 63 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 | 0.90 |
| Rated LLMF at 4,000 h | 0.88 |
| Rated LLMF at 6,000 h | 0.85 |
| Rated LLMF at 8,000 h | 0.82 |
| Rated LLMF at 12,000 h | 0.78 |



349636_FL_827

Dimensions & Weight

| | |
|----------------|-----------|
| Overall length | 136.00 mm |
| Diameter | 13.00 mm |
| Product weight | 64.4 g |

Temperatures & operating conditions

| | |
|---------------------------|-------------|
| Ambient temperature range | -5...+40 °C |
|---------------------------|-------------|

Lifespan

| | |
|--|----------------------|
| Service life | 7500 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 | 0.95 |
| Rated lamp survival factor at 8,000 h | 0.88 |
| Rated lamp survival factor at 12,000 h | 0.59 |
| Lifespan B50 | 10000 h |

1) With preheat ECG

Additional product data

| | |
|-----------------------------|-------------------------|
| Base (standard designation) | GR10q |
| Mercury content | 3.0 mg |
| Design / version | OSRAM CFL SQUARE® 4-Pin |

Capabilities

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

Certificates & Standards

| | |
|-------------------------|-----------------|
| Energy efficiency class | G |
| Energy consumption | 17.00 kWh/1000h |

Country-specific categorizations

| | |
|-----------------|--------------------|
| ILCOS | FSS-16/827-E-GR10q |
| Order reference | CFL SQUARE 16W/ |

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) | GR10q |
| 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 | 136.00 mm ¹⁾ |
| Height | 27.5 mm |
| Width | 141 mm |
| Chromaticity coordinate x | 0,463 |
| Chromaticity coordinate y | 0,420 |
| Beam angle correspondence | SPHERE_360 |
| EPREL ID | 546534 |
| Model number | AC34308 |

1) Maximum




EQUIPMENT / ACCESSORIES


– Suitable for operation on electronic and conventional control gear

Safety advice

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

DOWNLOAD DATA

| Documents and certificates | Document name |
|---|---|
|  Declarations of conformity | EC Declaration of Conformity - 2021 9C1-4073688-EN-01 - CFL SQUARE |
|  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 |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4050300816890 | Folding box 1 | 29 mm x 152 mm x 152 mm | 118.00 g | 0.67 dm ³ |

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4050300816906 | Shipping box 20 | 326 mm x 322 mm x 185 mm | 2834.00 g | 19.42 dm ³ |

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.