

PRODUCT DATASHEET

DULUX LED S11 EM & AC MAINS 6W 840 G23

OSRAM DULUX LED S EM & AC MAINS | LED replacement for short CFLni with 2-pin G23 base for CCG



Areas of application

- Supermarkets and department stores
- Walkways and corridors
- Hotels, restaurants

Product benefits

- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design
- Operation directly on 230 V AC mains possible

Product features

- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains
- Lifetime: up to 30,000 h
- Single-ended two-pin plug-in G23 base
- Type of protection: IP20
- Mercury-free lamps



TECHNICAL DATA

Electrical data

| | |
|--|---------------|
| Nominal wattage | 6 W |
| Construction wattage | 6.00 W |
| Nominal voltage | 220...240 V |
| Operating mode | CCG, AC Mains |
| Claimed equiv. conventional lamp power | 11 W |
| Nominal current | 28 mA |
| Type of current | AC |
| Inrush current | 5 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 24 |
| Max. lamp no. on circuit break. B10 A - CCG without compensation | 10 |
| Max. lamp no. on circuit break. B10 A - CCG with compensation | 13 |
| Max. lamp no. on circuit break. 16 A (B) | 30 |
| Max. lamp no. on circuit break. B16 A - CCG without compensation | 16 |
| Max. lamp no. on circuit break. B16 A - CCG with compensation | 21 |
| Total harmonic distortion | ≤ 30 % |
| Power factor λ | > 0.90 |

Photometrical data

| | |
|---|---------------------|
| Luminous flux | 700 lm |
| Nominal useful luminous flux 90° | 700 lm |
| Luminous efficacy | 116 lm/W |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Cool White |
| Color temperature | 4000 K |
| Color rendering index Ra | 80 |
| Light color | 840 |
| Standard deviation of color matching | ≤6 sdc _m |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |



Light technical data

| | |
|---------------------|----------|
| Beam angle | 120 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |

Dimensions & Weight



| | |
|------------------|-----------|
| Overall length | 220.00 mm |
| Diameter | 32.30 mm |
| Tube diameter | 26,0 mm |
| Maximum diameter | 33 mm |
| Product weight | 52.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+45 °C |
| Maximum temperature at tc test point | 72 °C |

Lifespan

| | |
|--|---------|
| Lifespan L70/B50 at 25 °C | 30000 h |
| Number of switching cycles | 200000 |
| Lumen maintenance at end of service lifetime | 0.70 |
| Rated lamp survival factor at 6,000 h | ≥ 0.90 |

Additional product data

| | |
|-----------------------------|-----|
| Base (standard designation) | G23 |
|-----------------------------|-----|

| | |
|------------------|---------|
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Design / version | Frosted |

Capabilities

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Certificates & Standards

| | |
|--|-----------------|
| Energy efficiency class | E 1) |
| Energy consumption | 6.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / EAC / UKCA |
| Photobiological safety group acc. to EN62778 | RG0 |

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | DULUX LED S11 E |
|-----------------|-----------------|

LOGISTICAL DATA

| | |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

Energy labelling regulation data acc EU 2019/2015

| | |
|---|--------------|
| Lighting technology used | LED |
| Non-directional or directional | NDLS |
| Mains or non-mains | MLS |
| Light source cap-type (or other electric interface) | G23 |
| 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 | 220.00 mm |
| Height | 32.30 mm |
| Width | 32.30 mm |
| Chromaticity coordinate x | 0.381 |

| | |
|--|-----------------|
| Chromaticity coordinate y | 0.379 |
| R9 Colour rendering index | 0.00 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.90 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 604659,1412866 |
| Model number | AC35193,AC47839 |

Safety advice

- Suitable for tandem operation.
- The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure Tc max temperature on the product prior to installation.

DOWNLOAD DATA

Documents and certificates



Declarations Of Conformity CE



Declarations Of Conformity UKCA

Photometric and lighting design files



IES file (IES)



LDT file (Eulumdat)



UGR file (UGR table)



LDC typ cone



LDC typ polar



Spectral power distribution

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|--------------|------------------------------|--------------------------------------|--------------|--------|
|--------------|------------------------------|--------------------------------------|--------------|--------|

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075558083 | Folding box 1 | 24 mm x 49 mm x 260 mm | 67.00 g | 0.31 dm ³ |
| 4058075558090 | Shipping box 10 | 272 mm x 258 mm x 62 mm | 920.00 g | 4.35 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.