# PRODUCT DATASHEET
# DULUX LED S/E9 AC MAINS VALUE 4W 830 2G7

DULUX LED S/E AC MAINS VALUE | LED replacement for CFLni with 4-pin 2G7 base for AC mains operation


VALUE CLASS

## Areas of application

- General illumination within ambient temperatures from -20…+45 °C
- Offices, public buildings
- Shops
- Hotels, restaurants
- Walkways and corridors

## Product benefits

- Operation directly on 230 V AC mains possible
- Not suitable for operation with conventional control gear (CCG)
- Not suitable for operation with electronic control gear (ECG)
- Easy installation
- Low energy consumption
- Easy relamping thanks to compact design

## Product features

- LED replacement for conventional compact fluorescent lamps for use on AC mains
- Lifetime up to 30,000 h
- Single-ended four-pin plug-in 2G7 base
- Type of protection: IP20
- Mercury-free lamps

## TECHNICAL DATA

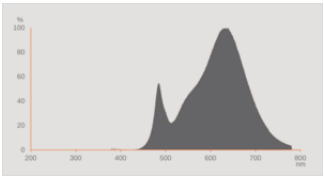
### Electrical data

| | |
|---|---|
| Nominal wattage | 4 W |
| Construction wattage | 4.00 W |
| Nominal voltage | 220…240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 9 W |
| Nominal current | 18 mA |
| Type of current | AC |
| Inrush current | 13 A |
| Suitable for DC input | Yes |
| Input voltage DC | 186…270 V [1)] |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 46 |
| Max. lamp number on MCB B16 A | 57 |
| Total harmonic distortion | ≤ 20 % |
| Power factor λ | > 0.90 |

1) Permitted voltage range

### Photometrical data

| | |
|---|---|
| Luminous flux | 500 lm |
| Luminous efficacy | 125 lm/W |
| Lumen main.fact.at end of nom.life time | 0.96 |
| Light color (designation) | Warm White |
| Color temperature | 3000 K |
| Color rendering index Ra | 80 |
| Light color | 830 |
| Standard deviation of color matching | ≤6 sdcm |
| Rated LLMF at 6,000 h | 0.90 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |

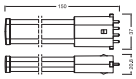


EPREL data spectral diagram PROF LEDr 3000K

## Light technical data

| | |
|---|---|
| Beam angle | 130 ° |
| Warm-up time (60 %) | ‹ 0.50 s |
| Starting time | < 0.5 s |

## Dimensions & Weight



| | |
|---|---|
| Overall length | 150.00 mm |
| Product weight | 40.00 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20…+45 °C [1)] |
| Maximum temperature at tc test point | 82 °C |

1) Temperature surrounding the lamp - for enclosed luminaires: temperature inside of the luminaire

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 30000 h |
| Number of switching cycles | 200000 |
| Lumen maintenance at end of service lifetime | 0.96 |
| Rated lamp survival factor at 6,000 h | ≥ 0.90 |

## Additional product data

| | |
|---|---|
| Base (standard designation) | 2G7 |

| | |
|---|---|
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Design / version | Frosted |
| Product remark | Available from December 2025 |

## Capabilities

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

## Certificates & Standards

| | |
|---|---|
| Energy efficiency class | E [1)] |
| Energy consumption | 4.00 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 S/E9 |

## 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) | 2G7 |
| 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 |
| Standby power | 0 W |
| Claim of equivalent power | No |
| Length | 150.00 mm |
| Height | 20.8 mm |

| | |
|---|---|
| Width | 32 mm |
| Chromaticity coordinate x | 0.434 |
| Chromaticity coordinate y | 0.403 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.90 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 2416884 |
| Model number | AC85412 |

## Safety advice

- Not suitable for operation with conventional control gear.
- Not suitable for operation with electronic control gear.
- The operating temperature range of DULUX LED is restricted. In case of doubt regarding suitability of the application please measure Tc temperature on the product prior to installation.
- All electrical connections must be made by a qualified person.
- Lamp not suitable for emergency operation.
- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | DULUX LED SE |
| PDF | Extended installation guide | LEDVANCE Luminaire conversion checklist |
| PDF | Declarations of conformity | CE DULUX LED SE |
| PDF | Declarations of conformity UKCA | UKCA DULUX LED SE |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | DULUX LED S E9 AC V 4W 830 2G7 LEDV |
| LDT | LDT file (Eulumdat) | DULUX LED S E9 AC V 4W 830 2G7 LEDV |

| | Photometric and lighting design files | Document name |
|---|---|---|
| | UGR file (UGR table) | DULUX LED S E9 AC V 4W 830 2G7 LEDV |
| | Light distribution curve type cone | DULUX LED S E9 AC V 4W 830 2G7 LEDV |
| | Light distribution curve type polar | DULUX LED S E9 AC V 4W 830 2G7 LEDV |
| | Spectral power distribution | EPREL data spectral diagram PROF LEDr 3000K |

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | DULUX LED S E AC MAINS VALUE 4W 830 2G7-en |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854669873 | Folding box<br>1 | 24 mm x 40 mm x 155 mm | 51.00 g | 0.15 $dm^3$ |
| 4099854669880 | Shipping box<br>10 | 131 mm x 89 mm x 169 mm | 575.00 g | 1.97 $dm^3$ |

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.

## References / Links

– For Guarantee see www.ledvance.com/guarantee

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