

PRODUCT DATASHEET

DULUX LED S7 EM & AC MAINS V 3.5W 840 G23

DULUX LED S EM & AC MAINS V | LED replacement for short CFLni, with 2-pin G23 base for CCG and AC mains operation



Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- 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



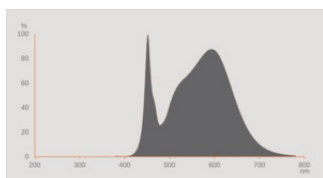
TECHNICAL DATA

Electrical data

Nominal wattage	3,5 W
Construction wattage	3.50 W
Nominal voltage	220...240 V
Operating mode	CCG, AC Mains
Claimed equiv. conventional lamp power	7 W
Nominal current	16 mA
Type of current	AC
Inrush current	4 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	21
Max. lamp no. on circuit break. B10 A - CCG without compensation [PIM]	16
Max. lamp no. on circuit break. B10 A - CCG with compensation [PIM]	17
Max. lamp no. on circuit break. 16 A (B)	26
Max. lamp no. on circuit break. B16 A -CCG without compensation [PIM]	26
Max. lamp no. on circuit break. B16 A -CCG with compensation [PIM]	29
Total harmonic distortion	≤ 30 %
Power factor λ	> 0,90

Photometrical data

Luminous flux	400 lm
Nominal useful luminous flux 90°	400 lm
Luminous efficacy	114 lm/W
Lumen main.fact.at end of nom.li	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 sdcM
Valoare palpăire Pst LM	1.0
Valoare efect stroboscopic SVM	0.4



Light technical data

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

Dimensions & Weight



Construction length [PICOS]	135.00 mm
Diameter	32,30 mm
Tube diameter	26,0 mm
Maximum diameter	33 mm
Product weight	36,00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	75 °C

Lifespan

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

Additional product data

Base (standard designation)	G23
Lamp mercury content	0.0 mg

Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	E ¹⁾
Energy consumption	4.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobio. safety group a 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 S7 EM
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Date privind reglementarea etichetării energetice (EU 2019/2015)










Tehnologia de iluminat utilizată	LED
Nedirecțională sau direcțională	NDLS
Cu alimentare de la rețea sau nealimentată de la rețea	MLS
Tipul de soclu al sursei de lumină (sau altă interfață electrică)	G23
Sursă de lumină conectată (SLC)	No
Sursă de lumină cu posibilitatea de reglare a culorilor	No
Anvelopă	No
Surse de lumină cu lăminanță mare	No
Protecție antireflexie	No
Tip de temperatură de culoare corelată	SINGLE_VALUE
Declarație de putere echivalentă	No
Length	135,00 mm
Height (incl. cylin. luminaires) [calc.]	32.30 mm
Width (incl. round luminaires) [Calc.]	32.30 mm
Coordonata X a diagramei cromatica a culorilor	0.381
Coordonata Y a diagramei cromatica a culorilor	0.379

Valoarea indicelui de redare a culorilor R9	0.00
Corespondență unghi fascicul	SPHERE_360
Factorul de supraviețuire	0.90
Factorul de defazaj	0.90
Sursa de lumină LED care înlocuiește o lumină fluorescentă	No
EPREL ID	1404755
Model number	AC46407

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	
	User instruction
	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
4058075822955	Folding box 1	24 mm x 35 mm x 141 mm	52.00 g	0.12 dm ³
4058075822962	Shipping box 10	128 mm x 79 mm x 152 mm	571.00 g	1.54 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.