PRODUCT DATASHEET
LED Star Classic A 75 Filament Daylight Sensor 10W 840 Frosted E27

LED DAYLIGHT SENSOR CLASSIC A | Special LED lamps with daylight sensor, classic bulb shape

Areas of application

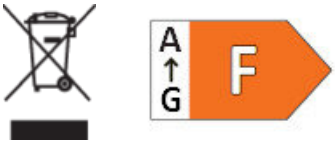
- Outdoor use in suitable outdoor luminaires only
- Wherever constant lighting is necessary at night

Product benefits

- Short payback period thanks to low energy consumption and maintenance costs
- Energy-saving lighting solutions thanks to automatic switch off at daylight (> 20 lux)
- Safety through automatic switch-on at darkness (< 20 lux)
- Lower energy consumption than incandescent or halogen lamps
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

Product features

- LED alternative to conventional lamps
- High color consistency: ≤ 6 SDCM
- Mercury-free lamps
- The integrated light sensor detects daylight level every 10 minutes and turns on/off automatically



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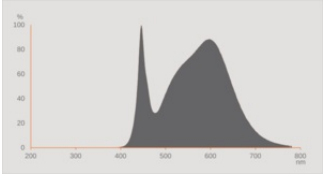
TECHNICAL DATA

Electrical data

Nominal wattage	10 W
Construction wattage	10.00 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	75 W
Nominal current	62 mA
Type of current	AC
Inrush current	0.11 A
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Max. lamp number on MCB B10 A	129
Max. lamp number on MCB B16 A	206
Total harmonic distortion	91.4 %
Power factor λ	0.50

Photometrical data

Luminous flux	1055 lm
Luminous efficacy	105 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4



LISO spectral power distribution 4000K CRI90 v1

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Light technical data

Beam angle	200 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	112.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	33.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	78.5 °C

Lifespan

Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted
Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

Capabilities

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Dimmable	No

Certificates & Standards

Energy efficiency class	F [1)]
Energy consumption	10.00 kWh/1000h
Type of protection	IP20
Standards	CE
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	LEDSCLA75DS 10W

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)	E27
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	0.50 W
Claim of equivalent power	Yes
Length	112.00 mm
Height	60.00 mm
Width	60.00 mm
Chromaticity coordinate x	0.381
Chromaticity coordinate y	0.380
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.9

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Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1841923
Model number	AC48824,AC48824

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Declarations of conformity	Classic lamps add value

	Photometric and lighting design files	Document name
	Spectral power distribution	LISO spectral power distribution 4000K CRI90 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854244209	Folding box 1	62 mm x 62 mm x 162 mm	50.00 g	0.62 dm^3
4099854244216	Shipping box 4	143 mm x 137 mm x 139 mm	274.00 g	2.72 dm^3
4099854244223	Shipping box 32	304 mm x 292 mm x 307 mm	2796.00 g	27.25 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

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