

product_datasheet_title

LED Star Classic A 60 8W 827 Frosted E27

LED STAR CLASSIC A | LED lamps, classic bulb shape



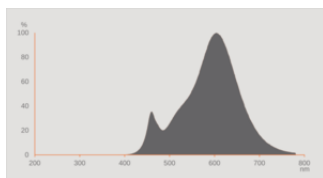
technical_data

ELECTRICAL DATA

Nominal wattage	8 W
Construction wattage	8.00 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	50 mA
Type of current	AC
Inrush current	1.76 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	95
Max. lamp number on MCB B16 A	119
Total harmonic distortion	113 %
Power factor λ	0.66

PHOTOMETRICAL DATA

Luminous flux	806 lm
Nominal useful luminous flux 90°	806 lm
Luminous efficacy	100 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



LISO spectral power distribution
2700K CRI80 v1

LIGHT TECHNICAL DATA

Beam angle	180 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

DIMENSIONS & WEIGHT

Overall length	107.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	22.00 g

TEMPERATURES & OPERATING CONDITIONS

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	105 °C

LIFESPAN

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93
Rated lamp survival factor at 6,000 h	≥ 0.90

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

Dimmable	no
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CERTIFICATES & STANDARDS

Energy efficiency class	F ¹⁾
Energy consumption	8.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobiological safety group acc. to EN62778	RG1

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

COUNTRY-SPECIFIC CATEGORIZATIONS

ILCOS	DRAA/F-10/827-220-240-E27-60
Order reference	LEDSCLA60 8W/82

LOGISTICAL DATA







Temperature range at storage	-20...+80 °C
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Energy labelling regulation data

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	0.00 W

Claim of equivalent power	Yes
Length	107.00 mm
Height	60.00 mm
Width	60.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	5
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.951
LED light source replaces a fluorescent light source	no
EPREL ID	1403215,523308,1351499,1857042,1855184
Model number	AC31150,AC44997,AC24699,AC56433,AC55981

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Documents and certificates		document_name
	Declarations Of Conformity CE	Classic A_B_P 15000h FR
	Declarations Of Conformity CE	LED CLASSIC
	Declarations Of Conformity CE	LED CLASSIC A_P NON-DIM
	Declarations Of Conformity UKCA	LED CLASSIC
	Declarations Of Conformity UKCA	LED CLASSIC A_P NON-DIM
Photometric and lighting design files		document_name
	Spectral power distribution	LISO spectral power distribution 2700K CRI80 v1

logistical_data

product_code	packaging_unit	dimensions	weight	volume
4058075127357	Folding box 1	60 mm x 60 mm x 162 mm	37.00 g	0.58 dm ³

product_code	packaging_unit	dimensions	weight	volume
4058075555365	Shipping box 6	202 mm x 134 mm x 120 mm	320.00 g	3.25 dm ³
4058075127364	Shipping box 10	328 mm x 135 mm x 137 mm	514.00 g	6.07 dm ³

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