

PRODUCT DATASHEET

LED Star PAR 16 55 36° CCT Select 4.2W 827/840/865 GU10

CCT Selectable LED lamps | LED lamps with multi light colors in one lamp



PERFOR-
MANCE
CLASS

Areas of application

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Adjustable light color for different lighting environment
- Selectable light color from warm to cool white by the integrated dip switch
- Lower energy consumption than incandescent or halogen lamps

Product features

- Light color easily selectable via the integrated dip switch
- Multi CCT per each type (Filament: 5 colors, Classic A shape plastic: 4 colors, Classic B and P plastic: 3 colors, Spot: 3 colors)



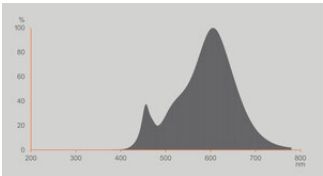
TECHNICAL DATA

Electrical data

Nominal wattage	4.2 W
Construction wattage	4.20 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	55 W
Nominal current	36 mA
Type of current	AC
Inrush current	4.98 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	96
Max. lamp number on MCB B16 A	122
Total harmonic distortion	155 %
Power factor λ	> 0.50

Photometrical data

Luminous intensity	600 cd
Luminous flux	400 lm
Nominal useful luminous flux 90°	400 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.93
Color temperature	2700 K / 4000 K / 6500 K
Color rendering index Ra	80
Light color	827/840/865
Standard deviation of color matching	≤6 sdcn
Rated peak intensity	600 cd
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



LED CCTS

Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	54.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	28.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	82.2 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg

Mercury-free	Yes
Design / version	Spot
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	E ¹⁾
Energy consumption	5.00 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

Order reference	LED PAR165536 4
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	DLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	GU10
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	STEPS
Standby power	0 W
Claim of equivalent power	Yes

Length	54.00 mm
Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
Displacement factor	>0.5
LED light source replaces a fluorescent light source	No
EPREL ID	2368075
Model number	AC83997

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
	Declarations of conformity	LED lamp
	Declarations of conformity UKCA	LED lamp
Photometric and lighting design files		Document name
	Spectral power distribution	LED CCTS

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854776953	Folding box 1	49 mm x 49 mm x 62 mm	35.00 g	0.15 dm ³
4099854776960	Shipping box 10	255 mm x 107 mm x 72 mm	403.00 g	1.96 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.