

## PRODUCT DATASHEET

### LED Base PAR16 35 36° 2.6W 827 GU10

LED BASE PAR16 | LED reflector lamps PAR16 with retrofit pin base



#### Areas of application

- Spotlighting for accents
- Domestic applications
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor use in suitable outdoor luminaires only
- As a downlight for marking walkways, doors, stairs, etc.
- Atmospheric accent lighting throughout the home
- All domestic rooms, especially where the lamps are visible

#### Product benefits

- Ideal for economical spotlighting
- Alternative to line-voltage halogen lamps
- Lower energy consumption than incandescent or halogen lamps
- No UV and near-IR radiation in the light beam
- Shockproof and vibration-proof thanks to LED technology
- Professional thermal management

#### Product features

- LED lamps for line voltage
- Not dimmable
- Base: GU10
- Mercury-free lamps



## TECHNICAL DATA

### Electrical data

Nominal wattage	2.6 W
Construction wattage	2.60 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	35 W
Nominal current	25 mA
Type of current	AC
Inrush current	7 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	42
Max. lamp number on MCB B16 A	53
Power factor $\lambda$	> 0.40

### Photometrical data

Luminous intensity	400 cd
Luminous flux	230 lm
Nominal useful luminous flux 90°	230 lm
Luminous efficacy	88 lm/W
Lumen main.fact.at end of nom.life time	0.95
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 peak intensity	400 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4



Everlight 67-23ST KKE 2700K

### 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	40.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	90 °C

### Lifespan

Lifespan L70/B50 at 25 °C	10000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.95
Rated lamp survival factor at 6,000 h	≥ 0.90

### Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg

Mercury-free	Yes
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 <sup>1)</sup>
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

ILCOS	DRPAR-3/827-220/240-GU10-50/36
Order reference	BASPAR163536 2,

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	SINGLE_VALUE
Standby power	0 W
Claim of equivalent power	Yes











Length	54.00 mm
Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	9
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
Displacement factor	0,4
LED light source replaces a fluorescent light source	No
EPREL ID	1402938,1403125,522950,1368221
Model number	AC32699,AC45691,AC16515,AC26511,AC45691







**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	PAR16 and GX53

Photometric and lighting design files	Document name
 IES file (IES)	AC08017_PAR16 35 non-dim 36° 3,3W GU
 LDT file (Eulumdat)	AC08017_PAR16 35 non-dim 36° 3,3W GU
 UGR file (UGR table)	LEDPAR1635362,3W 827230V GU10 BLI2 BRICO
 Light distribution curve type cone	BASPAR163536 2,3W 827 230V GU10 FS5OSRAM
 Light distribution curve type cone	LEDPAR163536 2,3W 827 230V GU10 FS2ARO
 Light distribution curve type cone	LEDPAR1635362,3W 827230V GU10 BLI2 BRICO
 Light distribution curve type cone	LEDPAR163536 2,3W 827 230V GU10 FS2REAL
 Light distribution curve type cone	LEDPAR163536 2,3W 827 230V GU10 FS1NEL
 Light distribution curve type cone	LEDPAR163536 2,3W 827 230V GU10 FS4ARO
 Light distribution curve type polar	BASPAR163536 2,3W 827 230V GU10 FS5OSRAM

	Photometric and lighting design files	Document name
	Light distribution curve type polar	LEDPAR163536 2,3W 827 230V GU10 FS1NEL
	Light distribution curve type polar	LEDPAR1635362,3W 827230V GU10 BLI2 BRICO
	Light distribution curve type polar	LEDPAR163536 2,3W 827 230V GU10 FS4ARO
	Light distribution curve type polar	LEDPAR163536 2,3W 827 230V GU10 FS2REAL
	Light distribution curve type polar	LEDPAR163536 2,3W 827 230V GU10 FS2ARO
	Spectral power distribution	Everlight 67-23ST KKE 2700K

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075157941	Folding box 5	52 mm x 186 mm x 57 mm	227.00 g	0.55 dm <sup>3</sup>
4058075157958	Shipping box 50	382 mm x 268 mm x 72 mm	2360.00 g	7.37 dm <sup>3</sup>

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.