PRODUCT DATASHEET
ST PAR 16 50 36° 4.3 W/2700K GU10

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

AREAS OF APPLICATION

- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Spotlighting for accents
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- Low energy consumption
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Instant 100 % light, no warm-up time
- Ideal for economical spotlighting

PRODUCT FEATURES

- LED alternative to conventional high voltage lamps
- Mercury-free lamps

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TECHNICAL DATA

Electrical data

Rated wattage	4.30 W
Nominal wattage	4.30 W
Nominal voltage	220…240 V
Claimed equiv. conventional lamp power	50 W
Max. lamp no. on circuit break. 10 A (B)	303
Max. lamp no. on circuit break. 16 A (B)	484
Operating frequency	50…60 Hz
Power factor λ	> 0.40

Photometrical data

Luminous intensity [PIM]	850 cd
Nominal luminous flux	350 lm
Rated luminous flux	350 lm
Rated color temperature	2700 K
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Luminous flux	350 lm
Color rendering index Ra	≥80
Standard deviation of color matching	≤6 sdcm
Color rendering index Ra	≥80
Nominal useful luminous flux 90°	350 lm
Rated useful luminous flux 90°	350 lm
Rated peak intensity	720 cd

Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Nominal beam angle	36 °
Rated beam angle (half peak value)	36.00 °

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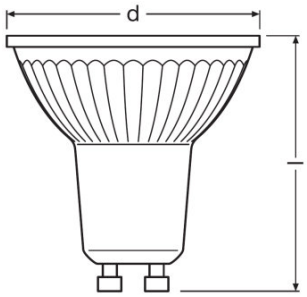
Dimensions & weight



Overall length	55.0 mm
Diameter	51.0 mm
Outer bulb	PAR51
Length	55.0 mm
Maximum diameter	51.0 mm

Temperatures & operating conditions

Maximum temperature at tc test point	87 °C

Lifespan

Nominal lamp life time	15000 h
Rated lamp life time	15000 h
Number of switching cycles	100000

Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg
Mercury-free	Yes
Show WEEE picto	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

Certificates & standards

Energy efficiency class	A++

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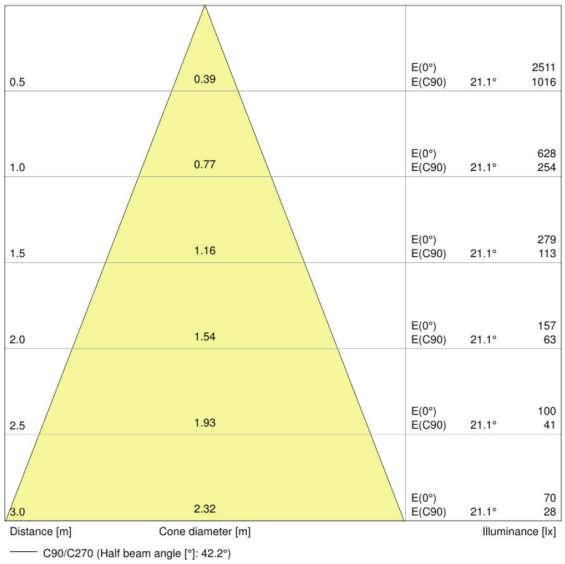
Energy consumption	5 kWh/1000h

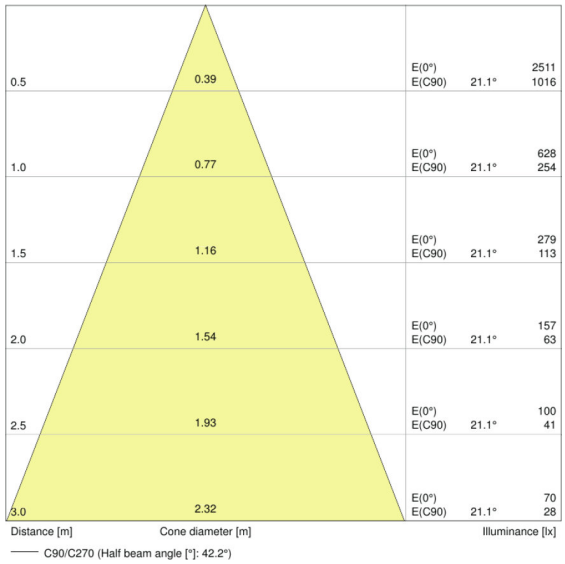
Country-specific categorizations

ILCOS	DRPAR-4,3/840-220-240-GU10-50/36
Order reference	LSPAR165036 4,3

Light Distribution



LDC typ cone



LDC typ cone

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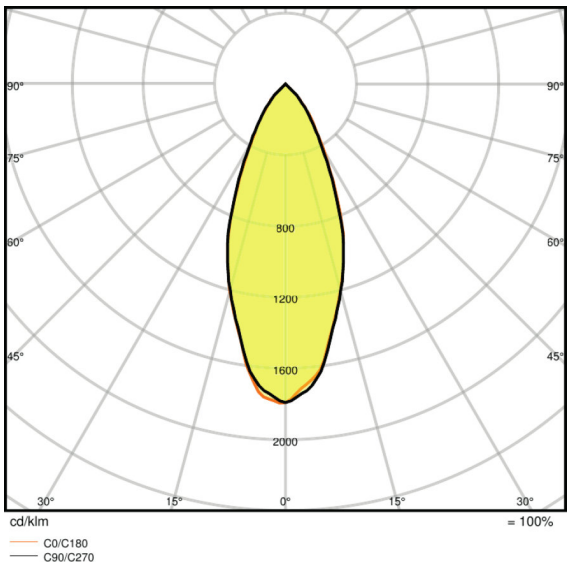
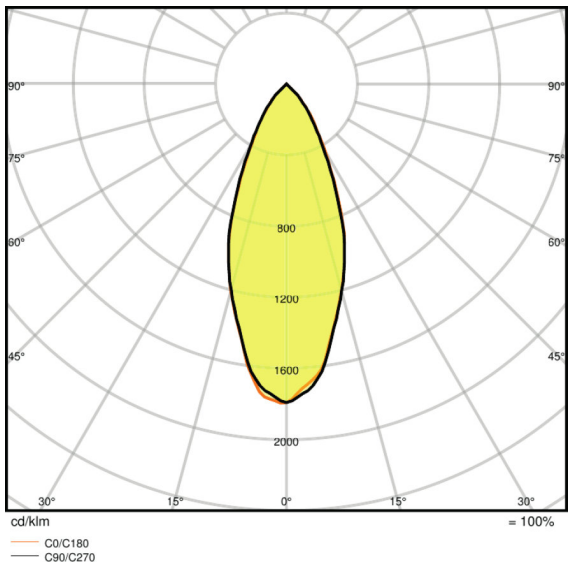
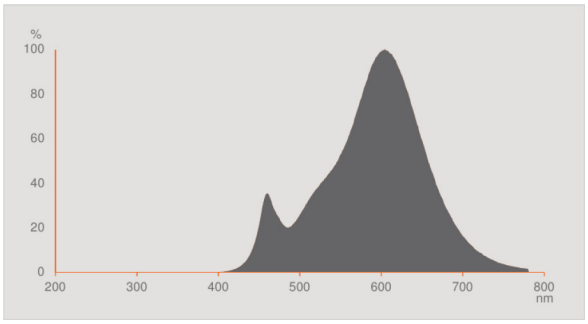


LDC typ polar



LDC typ polar



Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899388154	Blister 3	50 mm x 140 mm x 185 mm	151.00 g	1.30 dm^3
4052899388161	Shipping carton box 30	506 mm x 148 mm x 199 mm	1713.00 g	14.90 dm^3

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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.

REFERENCES / LINKS

For further products and actual information concerning LED lamps see

- www.ledvance.com/ledlamps

For Guarantee see

- www.ledvance.com/guarantee

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