PRODUCT DATASHEET
P PAR 16 50 36 ° 4.5 W/2700 K E14

PARATHOM® PAR16 | LED reflector lamps PAR16 with retrofit pin base

Areas of application

– Shops and exhibition rooms
– Domestic applications
– Commercial applications
– Accent lighting
– Outdoor use in suitable outdoor luminaires only

Product benefits

– Quick, simple and safe replacement without rewiring
– Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
– Low maintenance costs thanks to long lifetime
– No UV and near-IR radiation in the light beam
– Instant 100 % light, no warm-up time

Product features

– LED alternative to high voltage halogen lamps
– High color consistency: ≤ 6 SDCM
– Not dimmable
– Lamp made of glass
– Good quality of light; color rendering index R_a: ≥ 80
– Lifetime: up to 15,000 h

TECHNICAL DATA

Electrical data

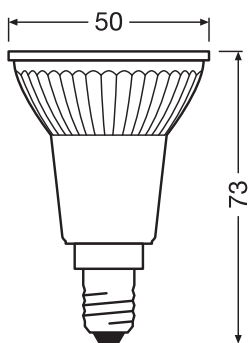|	
Nominal wattage	4.5 W
Construction wattage	4.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	50 W
Nominal current	38 mA
Type of current	AC
Inrush current	5.22 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	20
Max. lamp no. on circuit break. 16 A (B)	32
Power factor λ	> 0.40

Photometrical data

Luminous intensity	650 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	77 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	650 cd
Rated LLMF at 6,000 h	0.80

Light technical data

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

Dimensions & Weight

Overall length	73.00 mm
Diameter	50,0 mm
Maximum diameter	50 mm
Product weight	44.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85 °C

Lifespan

Lifespan	10000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	E14
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

Certificates & Standards

Energy efficiency class	F [1]
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

[1] Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

Order reference	LPPAR165036 4,5

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E14
Correlated colour temperature type	SINGLE_VALUE
Length	73.00 mm
Height	50,0 mm
Width	50,0 mm
EPREL ID	1403185
Model number	AC24565

DOWNLOAD DATA

DOWNLOAD DATA	
PDF	Declarations Of Conformity CE

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075448384	Folding box 1	51 mm x 51 mm x 88 mm	56.00 g	0.23 dm³
4058075448391	Shipping box 10	267 mm x 111 mm x 102 mm	664.00 g	3.02 dm³

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

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.