PRODUCT DATASHEET
P AR111 100 24° 16 W/2700 K G53

PARATHOM PRO LEDspot 111 | LED reflector lamps AR111 with retrofit pin base



AREAS OF APPLICATION

- Shops
- Shop windows
- Hotels, hospitality
- Museums, art galleries
- Exhibition rooms
- Residential interiors
- Luxurious living areas
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- Short payback period thanks to low energy consumption and maintenance costs
- Premium light quality thanks to high color rendering index and narrow binning
- Easy replacement of halogen lamps due to compact design and single optic design

PRODUCT FEATURES

- Professional LED alternative to AR111 halogen lamps
- Very high color rendering (R_a: 90)
- Very high color consistency: ≤ 4 SDCM
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Single optic design
- Mercury-free lamps

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TECHNICAL DATA

Electrical data

Rated wattage	16.00 W
Nominal wattage	16.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	100 W
Max. lamp no. on circuit break. 10 A (B)	45
Max. lamp no. on circuit break. 16 A (B)	72
Operating frequency	50…60 Hz
Power factor λ	> 0.50

Photometrical data

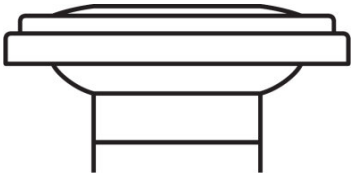
Nominal luminous flux	1100 lm
Rated luminous flux	1100 lm
Rated color temperature	2700 K
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Luminous flux	1100 lm
Color rendering index Ra	≥90
Standard deviation of color matching	≤6 sdcm
Color rendering index Ra	≥90
Nominal useful luminous flux 90°	1100 lm
Rated useful luminous flux 90°	1100 lm
Rated peak intensity	3200 cd

Light technical data

Beam angle	24 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Nominal beam angle	24 °
Rated beam angle (half peak value)	24.00 °

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Dimensions & weight



Overall length	55.0 mm
Diameter	111.0 mm
Outer bulb	AR111
Length	55.0 mm
Maximum diameter	111.0 mm

Temperatures & operating conditions

Maximum temperature at tc test point	83 °C

Lifespan

Nominal lamp life time	40000 h
Rated lamp life time	40000 h
Number of switching cycles	100000

Additional product data

Base (standard designation)	G53
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	Yes

Certificates & standards

Energy efficiency class	A

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Energy efficiency class	A
Energy consumption	17 kWh/1000h

Country-specific categorizations

Order reference	LPAR11110024 16

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075105119	P AR111 100 24° 16 W/2700 K G53	Shipping carton box 6	275 mm x 185 mm x 130 mm	6.61 dm^3	1605.00 g

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 dimming conformity see
- www.ledvance.com/dim

For Guarantee see
- www.ledvance.com/guarantee

For further products and actual information concerning LED lamps see
- www.ledvance.com/ledlamps

Further information see
- www.ledvance.com/low-voltage-ledlamps

DISCLAIMER

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