

# PRODUCT DATASHEET

## PPRO AR111 50 24° DIM 9.5 W/927 G53

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



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### AREAS OF APPLICATION

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

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### 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

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### PRODUCT FEATURES

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



**TECHNICAL DATA**

## Electrical data

<b>Rated wattage</b>	9.50 W
<b>Nominal wattage</b>	9.50 W
<b>Nominal voltage</b>	12.0 V
<b>Claimed equiv. conventional lamp power</b>	50 W
<b>Operating frequency</b>	50...60 Hz
<b>Power factor <math>\lambda</math></b>	0.60

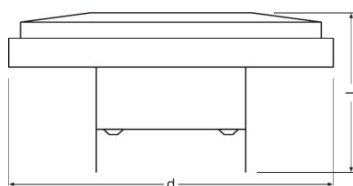
## Photometrical data

<b>Luminous intensity</b>	2450 cd
<b>Nominal luminous flux</b>	650 lm
<b>Rated luminous flux</b>	650 lm
<b>Rated color temperature</b>	2700 K
<b>Color rendering index Ra</b>	$\geq 90$
<b>Lumen main.fact.at end of nom.life time</b>	0.70
<b>Light color (designation)</b>	Warm White
<b>Standard deviation of color matching</b>	$\leq 4$ sdcn
<b>Nominal useful luminous flux 90°</b>	650 lm
<b>Rated useful luminous flux 90°</b>	650 lm
<b>Rated peak intensity</b>	2450 cd

## — Light technical data

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

Dimensions & weight



<b>Overall length</b>	54.3 mm
<b>Diameter</b>	111.0 mm
<b>Outer bulb</b>	AR111
<b>Length</b>	54.3 mm
<b>Maximum diameter</b>	110.0 mm

Lifespan

<b>Nominal lamp life time</b>	40000 h
<b>Rated lamp life time</b>	40000 h
<b>Number of switching cycles</b>	100000

Additional product data

<b>Base (standard designation)</b>	G53
<b>Mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Show WEEE picto</b>	Yes
<b>Product remark</b>	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

<b>Dimmable</b>	Yes
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Certificates & standards

<b>Energy efficiency class</b>	A
<b>Energy consumption</b>	10 kWh/1000h

Country specific categorizations

<b>ILCOS</b>	DRR-9,5/927-12-G53-111/24
<b>Order reference</b>	LPAR111 5024 9,

### LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075017825	PPRO AR111 50 24° DIM 9.5 W/927 G53	Shipping carton box 6	275 mm x 185 mm x 130 mm	6.61 dm <sup>3</sup>	1.49 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](http://www.ledvance.com/dim)

For Guarantee see

- ▶ [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

For further products and actual information concerning LED lamps see

- ▶ [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)

Further information see

- ▶ [www.ledvance.com/low-voltage-ledlamps](http://www.ledvance.com/low-voltage-ledlamps)

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