

## PARATHOM PRO AR111 50 24° 13 W/930 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
- Directional light sources
- Outdoor applications only in suitable luminaires

### Product benefits

- Extremely long lifetime of up to 40,000 h
- 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:  $\leq 4$  SDCM
- Compatible with many common electronic control gears (see also compatibility list)
- 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

Rated wattage	13.00 W
Nominal wattage	13.00 W
Nominal voltage	12.0 V
Claimed equiv. conventional lamp power	50 W
Operating frequency	50...60 Hz
Power factor $\lambda$	> 0.60

### Photometrical data

Luminous intensity	2450 cd
Nominal luminous flux	650 lm
Rated luminous flux	650 lm
Color temperature	3000 K
Color rendering index Ra	$\geq 90$
Light color (designation)	Warm White
Standard deviation of color matching	$\leq 4$ sdc <sub>m</sub>
Nominal useful luminous flux 90°	650 lm
Rated useful luminous flux 90°	650 lm
Rated peak intensity	2450 cd
Nom. useful luminous flux 120°	770 lm
Rated useful luminous flux 120°	770 lm

### 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 °

### Dimensions & weight

Overall length	54.3 mm
Diameter	111.0 mm
Outer bulb	AR111
Length	54.3 mm
Maximum diameter	111.0 mm

### Lifespan

## Product datasheet

Nominal lamp life time	40000 h
Rated lamp life time	40000 h
Number of switching cycles	100000
Lumen main.fact.at end of nom.life time	0.70

### Additional product data

Base (standard designation)	G53
Mercury content	0.0 mg
Mercury-free	Yes
Appropriate disposal acc. to WEEE	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
Energy consumption	13 kWh/1000h

### Country specific categorizations

ILCOS	DRR-13/930-12-G53-111/24
Order reference	PPAR111 5024 13



Guarantee

### Logistical Data

## Product datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899960879	PARATHOM PRO AR111 50 24° 13 W/930 G53	Shipping carton box 6	275 mm x 185 mm x 130 mm	6.61 dm <sup>3</sup>	1485.00 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](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)

---

### Disclaimer

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