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## PARATHOM PRO AR111 50 24° 8.5 W/927 12 V G53

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



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### Areas of application

- Shops
- Galleries
- Museums
- Shops and exhibition rooms
- Directional light sources

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### Product benefits

- Very low energy consumption
- Extremely long life
- Robust against vibrations
- No UV and near-IR radiation in the light beam
- Efficient generation of white light

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### Product features

- Professional LED lamp
- Dimmable (with many common dimmers, see also [www.osram.com/dim](http://www.osram.com/dim))
- Lifetime: up to 45,000 h
- Mercury-free lamps
- High color consistency
- Made in Germany



Technical data

Electrical data

Rated wattage	8.50 W
Nominal wattage	8.50 W
Nominal voltage	12.0 V
Claimed equiv. conventional lamp power	50 W
Rated luminous flux	450 lm
Operating frequency	50..60 Hz
Power factor $\lambda$	0.92

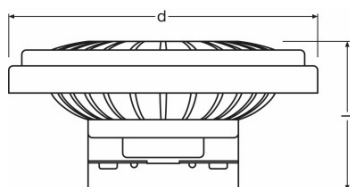
Photometrical data

Nominal luminous flux	450 lm
Color temperature	2700 K
Color rendering index Ra	90
Light color (designation)	Warm White
Standard deviation of color matching	$\leq 4$ sdcM
Nominal useful luminous flux 90°	450 lm
Rated useful luminous flux 90°	450 lm
Rated peak intensity	3000 cd

Light technical data

Beam angle	24 °
Warm-up time (60 %)	0.00 s
Starting time	0.0 s
Nominal beam angle	24 °
Rated beam angle (half peak value)	24.00 °

Dimensions & weight



## Product datasheet

Overall length	58.5 mm
Diameter	111.0 mm
Outer bulb	AR111
Length	58.5 mm
Maximum diameter	111.0 mm

### Lifespan

Nominal lamp life time	45000 h
Rated lamp life time	45000 h
Number of switching cycles	1000000
Lumen main.fact.at end of nom.life time	0.70

### Additional product data

Base (standard designation)	G53
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 <sup>1)</sup>
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<sup>1)</sup> With many common dimmers

### Certificates & standards

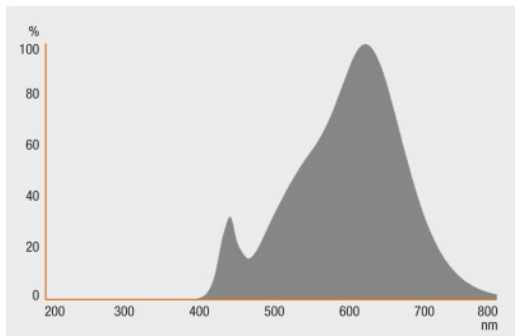
Energy efficiency class	A
Energy consumption	10 kWh/1000h

### Country specific categorizations

ILCOS	DRR-8,5-12-G53-111/24
Order reference	PPAR111 5024 8,

## Light Distribution

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## Spectral power distribution



## Guarantee

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### Equipment / Accessories

- Suitable for many commercially available electronic or conventional transformers
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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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## Product datasheet

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4052899907720	PARATHOM PRO AR111 50 24° 8.5 W/927 12 V G53	Shipping carton box 6	275 mm x 185 mm x 130 mm	6.61 dm <sup>3</sup>	1341.00 g
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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.

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### References / Links

For dimming conformity see

- ▶ [www.osram.com/DIM](http://www.osram.com/DIM)

For Guarantee see

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

For further products and actual information concerning LED lamps see

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

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### Disclaimer

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

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## PARATHOM PRO AR111 50 24° 8.5 W/930 12 V G53

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



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### Areas of application

- Shops
- Galleries
- Museums
- Shops and exhibition rooms
- Directional light sources

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### Product benefits

- Very low energy consumption
- Extremely long life
- Robust against vibrations
- No UV and near-IR radiation in the light beam
- Efficient generation of white light

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### Product features

- Professional LED lamp
- Dimmable (with many common dimmers, see also [www.osram.com/dim](http://www.osram.com/dim))
- Lifetime: up to 45,000 h
- Mercury-free lamps
- High color consistency
- Made in Germany



Technical data

Electrical data

Rated wattage	8.50 W
Nominal wattage	8.50 W
Nominal voltage	12.0 V
Claimed equiv. conventional lamp power	50 W
Rated luminous flux	450 lm
Operating frequency	50..60 Hz
Power factor $\lambda$	0.92

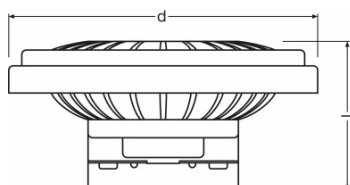
Photometrical data

Nominal luminous flux	450 lm
Color temperature	3000 K
Color rendering index Ra	90
Light color (designation)	Warm White
Standard deviation of color matching	$\leq 4$ sdc <sub>m</sub>
Nominal useful luminous flux 90°	450 lm
Rated useful luminous flux 90°	450 lm
Rated peak intensity	3000 cd

Light technical data

Beam angle	24 °
Warm-up time (60 %)	0.00 s
Starting time	0.0 s
Nominal beam angle	24 °
Rated beam angle (half peak value)	24.00 °

Dimensions & weight



## Product datasheet

Overall length	58.5 mm
Diameter	111.0 mm
Outer bulb	AR111
Length	58.5 mm
Maximum diameter	111.0 mm

### Lifespan

Nominal lamp life time	45000 h
Rated lamp life time	45000 h
Number of switching cycles	1000000
Lumen main.fact.at end of nom.life time	0.70

### Additional product data

Base (standard designation)	G53
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 <sup>1)</sup>
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### Certificates & standards

Energy efficiency class	A
Energy consumption	10 kWh/1000h

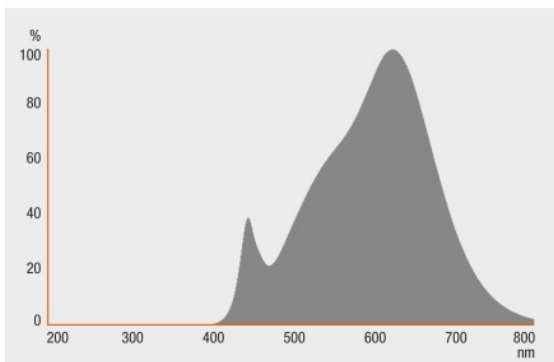
### Country specific categorizations

ILCOS	DRR-8,5-12-G53-111/24
Order reference	PPAR111 5024 8,



### Light Distribution

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### Spectral power distribution



### Guarantee

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### Equipment / Accessories

- Suitable for many commercially available electronic or conventional transformers
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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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## Product datasheet

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4052899907737	PARATHOM PRO AR111 50 24° 8.5 W/930 12 V G53	Shipping carton box 6	275 mm x 185 mm x 130 mm	6.61 dm <sup>3</sup>	1341.00 g
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## PARATHOM PRO AR111 50 24° 8.5 W/940 12 V G53

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



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- Directional light sources

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- Lifetime: up to 45,000 h
- Mercury-free lamps
- High color consistency
- Made in Germany



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Technical data

**Electrical data**

Rated wattage	8.50 W
Nominal wattage	8.50 W
Nominal voltage	12.0 V
Claimed equiv. conventional lamp power	50 W
Rated luminous flux	450 lm
Operating frequency	50..60 Hz
Power factor $\lambda$	0.92

**Photometrical data**

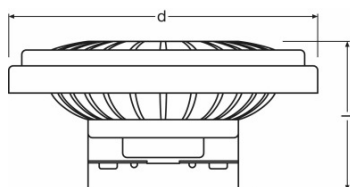
Nominal luminous flux	450 lm
Color temperature	4000 K
Color rendering index Ra	90
Light color (designation)	Cool White
Standard deviation of color matching	$\leq 4$ sdc <sub>m</sub>
Nominal useful luminous flux 90°	450 lm
Rated useful luminous flux 90°	450 lm
Rated peak intensity	3300 cd

**Light technical data**

Beam angle	24 °
Warm-up time (60 %)	0.00 s
Starting time	0.0 s
Nominal beam angle	24 °
Rated beam angle (half peak value)	24.00 °

**Dimensions & weight**

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### Additional product data

Base (standard designation)	G53
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Appropriate disposal acc. to WEEE	Yes
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### Capabilities

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<sup>1)</sup> With many common dimmers

### Certificates & standards

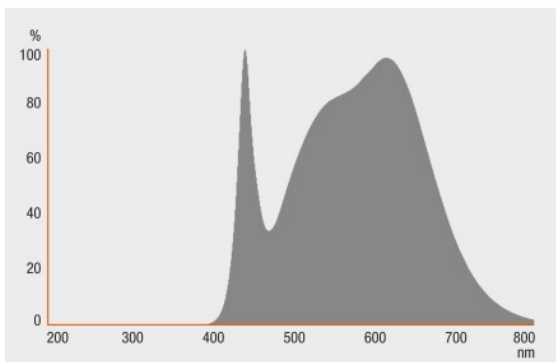
Energy efficiency class	A
Energy consumption	10 kWh/1000h

### Country specific categorizations

ILCOS	DRR-8,5-12-G53-111/24
Order reference	PPAR111 5024 8,

## Light Distribution

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## Spectral power distribution



## Guarantee

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### Equipment / Accessories

- Suitable for many commercially available electronic or conventional transformers
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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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## Product datasheet

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4052899907744	PARATHOM PRO AR111 50 24° 8.5 W/940 12 V G53	Shipping carton box 6	275 mm x 185 mm x 130 mm	6.61 dm <sup>3</sup>	1341.00 g
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