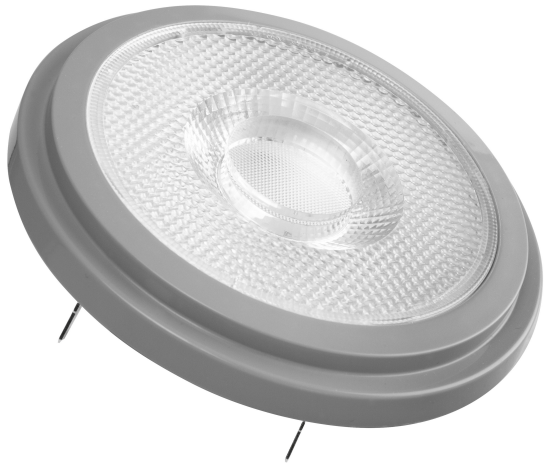
PRODUCT DATASHEET
PPRO AR111 75 24 ° 11.7 W/4000 K G53

PARATHOM® PRO AR111 | Low-voltage LED reflector lamps AR111 with retrofit pin base



Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in outdoor luminaires only (minimum IP65)

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
- Stepless dimming
- Very high dimmer compatibility, see also www.ledvance.com/dim
- Compatible with many common conventional and electronic control gears (see also compatibility list)
- Instant 100 % light, no warm-up time

Product features

- LED alternative to low voltage halogen lamps
- High color consistency: ≤ 4 SDCM
- Dimmable
- Base: G53
- Excellent color rendering (R_a: 97)





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- Lifetime: up to 40,000 h

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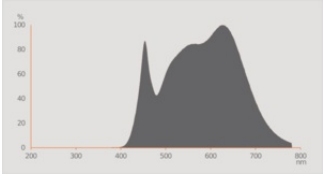
TECHNICAL DATA

Electrical data

Nominal wattage	11.7 W
Construction wattage	11.70 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	75 W
Nominal current	1 A
Type of current	AC
Inrush current	18 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	25
Max. lamp no. on circuit break. 16 A (B)	32
Power factor λ	> 0.50

Photometrical data

Luminous intensity	2800 cd
Luminous flux	800 lm
Nominal useful luminous flux 90°	800 lm
Luminous efficacy	68 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	97
Light color	940
Standard deviation of color matching	≤4 sdcm
Rated peak intensity	2800 cd
Rated LLMF at 6,000 h	0.80

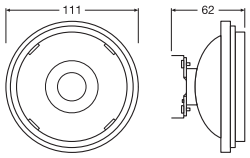


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Light technical data

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

Dimensions & Weight



Overall length	55.00 mm
Diameter	111.00 mm
Maximum diameter	111 mm
Product weight	135.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	70 °C

Lifespan

Nominal lamp life time	40000 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)	G53
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

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Capabilities

Dimmable	Yes

Certificates & Standards

Energy efficiency class	G [1)]
Energy consumption	12.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / CB
Photobiological safety group acc. to EN62778	RG1

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Country-specific categorizations

Order reference	LPAR111 7524 11

Energy labellling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	DLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	G53
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	Yes
Length	55.00 mm
Height	111.00 mm
Width	111.00 mm
Chromaticity coordinate x	0.382
Chromaticity coordinate y	0.380
R9 Colour rendering index	1
Beam angle	NARROW_CONE_90
Survival factor	0.90
LED light source replaces a fluorescent light source	yes
EPREL ID	522975

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Model number	AC32803

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075608597	Folding box 1	113 mm x 66 mm x 113 mm	191.00 g	0.84 dm^3
4058075608603	Shipping box 6	238 mm x 208 mm x 123 mm	1274.00 g	6.09 dm^3

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

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