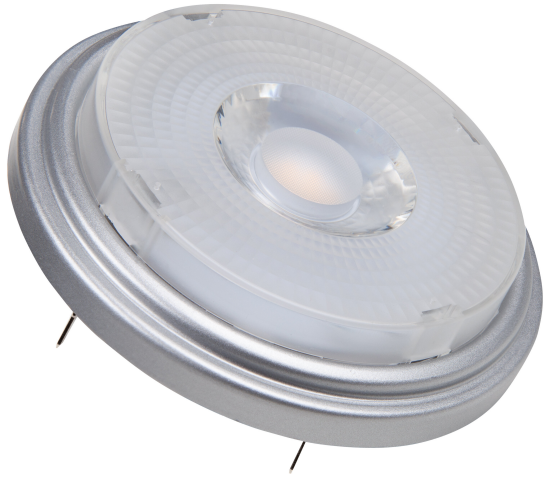
PRODUCT DATASHEET
PPRO AR111 50 40 ° 7.3 W/3000 K G53

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 suitable outdoor luminaires only

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
- Lower energy consumption than incandescent or halogen lamps

Product features

- LED alternative to low voltage halogen lamps
- High color consistency: ≤ 4 SDCM
- Dimmable
- Base: G53

- Excellent color rendering CRI > 97
- Lifetime up to 40,000 h

TECHNICAL DATA

Electrical data

Nominal wattage	7.3 W
Construction wattage	7.30 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	50 W
Nominal current	0.68 A
Type of current	AC
Inrush current	10 A
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Max. lamp number on MCB B10 A	6
Max. lamp number on MCB B16 A	10
Power factor λ	> 0.60

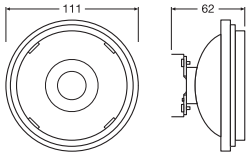
Photometrical data

Luminous intensity	1000 cd
Luminous flux	450 lm
Nominal useful luminous flux 90°	450 lm
Luminous efficacy	61 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	97
Light color	930
Standard deviation of color matching	≤4 sdcm
Rated peak intensity	1000 cd
Rated LLMF at 6,000 h	0.80

Light technical data

Beam angle	40 °
Warm-up time (60 %)	‹ 0.10 s
Starting time	< 0.1 s

Dimensions & Weight



Overall length	62.00 mm
Diameter	111,0 mm
Maximum diameter	111 mm
Product weight	140.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	86 °C

Lifespan

Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 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

Capabilities

Dimmable	Yes

Certificates & Standards

Energy efficiency class	A [1)]
Energy consumption	8.00 kWh/1000h
Type of protection	IP20
Standards	CE / CB / EAC
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	LPAR111 5040 7,

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G53
Length	62.00 mm
Height	111,0 mm
Width	111,0 mm

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075448445	Folding box 1	113 mm x 66 mm x 113 mm	171.00 g	0.84 dm^3
4058075448452	Shipping box 6	238 mm x 208 mm x 123 mm	1191.00 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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