

PRODUCT DATASHEET

P AR111 75 24 ° 15 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 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

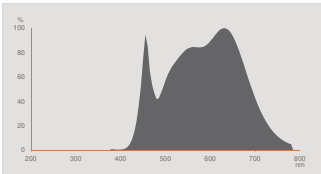
TECHNICAL DATA

Electrical data

Nominal wattage	15 W
Construction wattage	15.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	75 W
Nominal current	1.65 A
Type of current	AC
Inrush current	18 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	45
Max. lamp number on MCB B16 A	72
Power factor λ	> 0.50

Photometrical data

Luminous intensity	4000 cd
Luminous flux	850 lm
Nominal useful luminous flux 90°	800 lm
Luminous efficacy	56 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	≤6 sdcn
Rated peak intensity	4000 cd
Rated LLMF at 6,000 h	0.80



CITIZEN 1202C4 V6 4000K

Light technical data

Beam angle	24 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	55.00 mm
Diameter	110.70 mm
Maximum diameter	111 mm
Product weight	215.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	83 °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
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Certificates & Standards

Energy efficiency class	A ¹⁾
Energy consumption	16.00 kWh/1000h
Type of protection	IP20
Standards	CE / CB / EAC

Photobiological safety group acc. to EN62778	RG0
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1) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)







Country-specific categorizations

Order reference	LPAR111 7524 15
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G53
Length	55.00 mm
Height	110.70 mm
Width	110.70 mm

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	AC08744_PPAR111 7524 15W 940 12V G53
	LDT file (Eulumdat)	AC08744_PPAR111 7524 15W 940 12V G53
	UGR file (UGR table)	LPAR111 7524 15W 940 12V G53 FS1 OSRAM
	Light distribution curve type cone	LPAR111 7524 15W 940 12V G53 FS1 OSRAM
	Light distribution curve type polar	LPAR111 7524 15W 940 12V G53 FS1 OSRAM
	Spectral power distribution	CITIZEN 1202C4 V6 4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075105010	Folding box 1	86 mm x 86 mm x 112 mm	246.00 g	0.83 dm ³
4058075105027	Shipping box 6	275 mm x 185 mm x 130 mm	1546.00 g	6.61 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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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.