

PRODUCT DATASHEET

PPRO AR111 75 40 ° 11.7 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



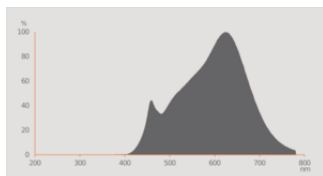
TECHNICAL DATA

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

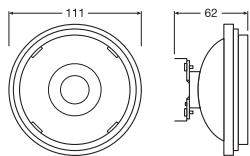
Luminous intensity	1600 cd
Luminous flux	800 lm
Nominal useful luminous flux 90°	800 lm
Luminous efficacy	68 lm/W
Lumen main.fact.at end of nom.li	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	97
Light color	930
Standard deviation of color matching	≤ 4 sdcn
Rated peak intensity	1600 cd
Rated LLMF at 6,000 h	0.80



Light technical data

Beam angle	40 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak valu	40.00 °

Dimensions & Weight



Construction length [PICOS]	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 life time	40000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,	≥ 0.90

Additional product data

Base (standard designation)	G53
Lamp 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	G ¹⁾
Energy consumption	12.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / CB
Photobio. safety group a EN62778	RG1

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

Country-specific categorizations

Order reference	LPAR111 7540 11
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Date privind reglementarea etichetării energetice (EU 2019/2015)

Tehnologia de iluminat utilizată	LED
Nedirecțională sau direcțională	DLS
Cu alimentare de la rețea sau nealimentată de la rețea	NMLS
Tipul de soclu al sursei de lumină (sau altă interfață electrică)	G53
Sursă de lumină conectată (SLC)	No
Sursă de lumină cu posibilitatea de reglare a culorilor	No
Anvelopă	No
Surse de lumină cu luminanță mare	No
Protecție antireflexie	No
Tip de temperatură de culoare corelată	SINGLE_VALUE
Declarație de putere echivalentă	Yes
Length	55.00 mm
Height (incl. cylin. luminaires) [calc.]	111.00 mm
Width (incl. round luminaires) [Calc.]	111.00 mm
Coordonata X a diagramei cromatica a culorilor	0.434
Coordonata Y a diagramei cromatica a culorilor	0.403
Valoarea indicelui de redare a culorilor R9	1
Corespondență unghi fascicul	NARROW_CONE_90
Factorul de supraviețuire	0.90
Sursa de lumină LED care înlocuiește o lumină fluorescentă	yes
EPREL ID	522972

