

PRODUCT FAMILY DATASHEET

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)
- Lifetime: up to 40,000 h

TECHNICAL DATA

Product description	Electrical data					Photometrical data			
	Nominal wattage	Nominal voltage	Claimed equiv. conventional lamp power	Max. lamp no. on circuit break. 10 A (B)	Max. lamp no. on circuit break. 16 A (B)	Nominal luminous flux	Rated luminous flux	Lumen main.fact.at end of nom.life time	Light color (designation)
P AR111 75 24° 15 W/4000K G53 ¹⁾	15.00 W	12 V	75 W	45	72	850 lm	850 lm	0.70	Cool White
P AR111 75 24° 15 W/3000K G53 ¹⁾	15.00 W	12 V	75 W	98	72	800 lm	800 lm	0.70	Warm White
PPRO AR111 50 24° 7.3 W/3000K G53 ¹⁾	7.30 W	12 V	50 W	6	10	450 lm	450 lm	0.70	Warm White
PPRO AR111 50 24° 7.3 W/2700K G53 ¹⁾	7.30 W	12 V	50 W	6	10	450 lm	450 lm	0.70	Warm White
PPRO AR111 50 40° 7.3 W/2700K G53 ¹⁾	7.30 W	12 V	50 W	6	10	450 lm	450 lm	0.70	Warm White
PPRO AR111 50 40° 7.3 W/3000K G53 ¹⁾	7.30 W	12 V	50 W	6	10	450 lm	450 lm	0.70	Warm White
PPRO AR111 75 40° 11.5 W/3000K G53 ¹⁾	11.50 W	12 V	75 W	4	6	800 lm	800 lm	0.70	Warm White
PPRO AR111 75 40° 11.5 W/2700K G53 ¹⁾	11.50 W	12 V	75 W	4	6	800 lm	800 lm	0.70	Warm White
PPRO AR111 75 24° 11.5 W/4000K G53 ¹⁾	11.50 W	12 V	75 W	4	6	820 lm	820 lm	0.70	Cool White
PPRO AR111 75 24° 11.5 W/2700K G53 ¹⁾	11.50 W	12 V	75 W	4	6	800 lm	800 lm	0.70	Warm White
PPRO AR111 75 24° 11.5 W/3000K G53 ¹⁾	11.50 W	12 V	75 W	4	6	800 lm	800 lm	0.70	Warm White
PPRO AR111 100 24° 13.3 W/2700K G53 ¹⁾	13.30 W	12 V	100 W	3	5	950 lm	950 lm	0.70	Warm White

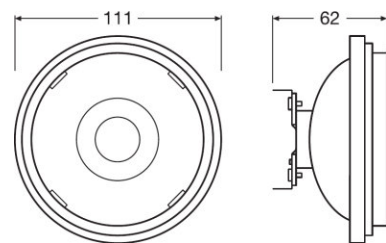
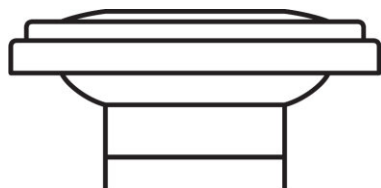
Product description	Color temperature	Luminous flux	Color rendering index Ra	Light technical data		Dimensions & weight		Temperatures & operating conditions	Lifespan	
				Beam angle	Warm-up time (60 %)	Overall length	Diameter	Ambient temperature range	Nominal lamp life time	Number of switching cycles
P AR111 75 24° 15 W/4000K G53 ¹⁾	4000 K	850 lm	97	24 ° 2)	< 0.50 s	55.0 mm	111.0 mm	-20...+40 °C	40000 h	100000
P AR111 75 24° 15 W/3000K G53 ¹⁾	3000 K	800 lm	97	24 ° 2)	< 0.50 s	55.0 mm	111.0 mm	-20...+40 °C	40000 h	100000
PPRO AR111 50 24° 7.3 W/3000K G53 ¹⁾	3000 K	450 lm	97	24 ° 2)	< 0.10 s	62.0 mm	111.0 mm	-20...+40 °C	40000 h	100000
PPRO AR111 50 24° 7.3 W/2700K G53 ¹⁾	2700 K	450 lm	97	24 ° 2)	< 0.10 s	62.0 mm	111.0 mm	-20...+40 °C	40000 h	100000
PPRO AR111 50 40° 7.3 W/2700K G53 ¹⁾	2700 K	450 lm	97	40 ° 2)	< 0.10 s	62.0 mm	111.0 mm	-20...+40 °C	40000 h	100000
PPRO AR111 50 40° 7.3 W/3000K G53 ¹⁾	3000 K	450 lm	97	40 ° 2)	< 0.10 s	62.0 mm	111.0 mm	-20...+40 °C	40000 h	100000
PPRO AR111 75 40° 11.5 W/3000K G53 ¹⁾	3000 K	800 lm	97	40 ° 2)	< 0.10 s	62.0 mm	110.7 mm	-20...+40 °C	40000 h	100000
PPRO AR111 75 40° 11.5 W/2700K G53 ¹⁾	2700 K	800 lm	97	40 ° 2)	< 0.10 s	62.0 mm	110.7 mm	-20...+40 °C	40000 h	100000
PPRO AR111 75 24° 11.5 W/4000K G53 ¹⁾	4000 K	820 lm	97	24 ° 2)	< 0.10 s	62.0 mm	110.7 mm	-20...+40 °C	40000 h	100000
PPRO AR111 75 24° 11.5 W/2700K G53 ¹⁾	2700 K	800 lm	97	24 ° 2)	< 0.10 s	62.0 mm	110.7 mm	-20...+40 °C	40000 h	100000
PPRO AR111 75 24° 11.5 W/3000K G53 ¹⁾	3000 K	800 lm	97	24 ° 2)	< 0.10 s	62.0 mm	110.7 mm	-20...+40 °C	40000 h	100000
PPRO AR111 100 24° 13.3 W/2700K G53 ¹⁾	2700 K	950 lm	97	24 ° 2)	< 0.10 s	62.0 mm	110.7 mm	-20...+40 °C	40000 h	100000

Product description	Additional product data			Capabilities	Certificates & standards	
	Base (standard designation)	Mercury content	Mercury-free	Dimmable	Energy efficiency class	Energy consumption
P AR111 75 24° 15 W/4000K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	16 kWh/1000h
P AR111 75 24° 15 W/3000K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	16 kWh/1000h
PPRO AR111 50 24° 7.3 W/3000K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	8 kWh/1000h

Product description	Additional product data			Capabilities	Certificates & standards	
	Base (standard designation)	Mercury content	Mercury-free	Dimmable	Energy efficiency class	Energy consumption
PPRO AR111 50 24° 7.3 W/2700K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	8 kWh/1000h
PPRO AR111 50 40° 7.3 W/2700K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	8 kWh/1000h
PPRO AR111 50 40° 7.3 W/3000K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	8 kWh/1000h
PPRO AR111 75 40° 11.5 W/3000K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	13 kWh/1000h
PPRO AR111 75 40° 11.5 W/2700K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	13 kWh/1000h
PPRO AR111 75 24° 11.5 W/4000K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	13 kWh/1000h
PPRO AR111 75 24° 11.5 W/2700K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	13 kWh/1000h
PPRO AR111 75 24° 11.5 W/3000K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	13 kWh/1000h
PPRO AR111 100 24° 13.3 W/2700K G53 ¹⁾	G53	0.0 mg	Yes	Yes	A	15 kWh/1000h

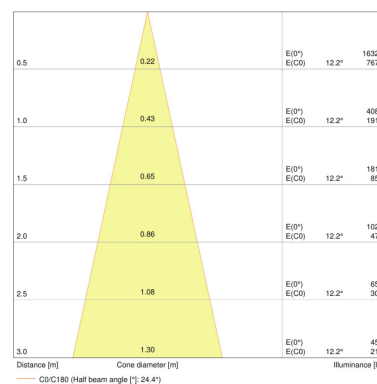
¹⁾ All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

²⁾ ZMP_110132

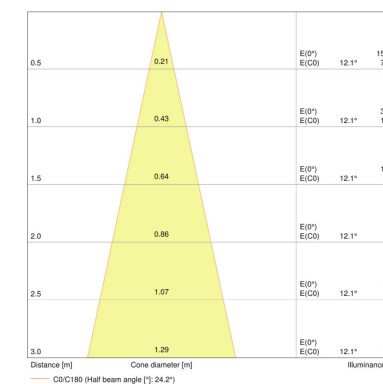


P AR111 75 24° 15 W/4000K G53, P AR111 75 24° 15 W/3000K G53

PPRO AR111 50 24° 7.3 W/3000K G53, PPRO AR111 50 24° 7.3 W/2700K G53, PPRO AR111 50 40° 7.3 W/2700K G53, PPRO AR111 50 40° 7.3 W/3000K G53, PPRO AR111 75 40° 11.5 W/3000K G53, PPRO AR111 75 40° 11.5 W/2700K G53, PPRO AR111 75 24° 11.5 W/4000K G53, PPRO AR111 75 24° 11.5 W/2700K G53, PPRO AR111 75 24° 11.5 W/3000K G53, PPRO AR111 100 24° 13.3 W/2700K G53



P AR111 75 24° 15 W/4000K G53



P AR111 75 24° 15 W/3000K G53

APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075105027	Shipping carton box 6	275 mm x 185 mm x 130 mm	1546.00 g	6.61 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075105041	Shipping carton box 6	275 mm x 185 mm x 130 mm	1551.00 g	6.61 dm ³
4058075448490	Shipping carton box 6	238 mm x 208 mm x 123 mm	1290.00 g	6.09 dm ³
4058075448476	Shipping carton box 6	238 mm x 208 mm x 123 mm	1286.00 g	6.09 dm ³
4058075448438	Shipping carton box 6	238 mm x 208 mm x 123 mm	1193.00 g	6.09 dm ³
4058075448452	Shipping carton box 6	238 mm x 208 mm x 123 mm	1191.00 g	6.09 dm ³
4058075448872	Shipping carton box 6	238 mm x 208 mm x 123 mm	1221.00 g	6.09 dm ³
4058075448858	Shipping carton box 6	238 mm x 208 mm x 123 mm	1231.00 g	6.09 dm ³
4058075448933	Shipping carton box 6	238 mm x 208 mm x 123 mm	1321.00 g	6.09 dm ³
4058075448896	Shipping carton box 6	238 mm x 208 mm x 123 mm	1326.00 g	6.09 dm ³
4058075448919	Shipping carton box 6	238 mm x 208 mm x 123 mm	1314.00 g	6.09 dm ³
4058075448759	Shipping carton box 6	238 mm x 208 mm x 123 mm	1311.00 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

DISCLAIMER

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