

PRODUCT FAMILY DATASHEET

PARATHOM PRO LEDspot 111

LED reflector lamps AR111 with retrofit pin base



AREAS OF APPLICATION

- Shops
- Shop windows
- Hotels, hospitality
- Museums, art galleries
- Exhibition rooms
- Residential interiors
- Luxurious living areas
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- Short payback period thanks to low energy consumption and maintenance costs
- Premium light quality thanks to high color rendering index and narrow binning
- Easy replacement of halogen lamps due to compact design and single optic design

PRODUCT FEATURES

- Professional LED alternative to AR111 halogen lamps
- Very high color rendering ($R_a: 90$)
- Mercury-free lamps
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Single optic design



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)	Luminous intensity [PIM]	Nominal luminous flux	Rated luminous flux	Color temperature	Lumen main.fact.at end of nom.life time
PPRO AR111 100 24° 14.5 W/2700K G53 ¹⁾	14.50 W	12 V	100 W			8500 cd	1100 lm	1100 lm	2700 K	0.70
P AR111 50 24° 10.8 W/2700K G53 ¹⁾	10.80 W	12 V	50 W	45	72		680 lm	680 lm	2700 K	0.70
P AR111 50 24° 10.8 W/3000K G53 ¹⁾	10.80 W	12 V	50 W	45	72		680 lm	680 lm	3000 K	0.70
P AR111 50 40° 10.8 W/2700K G53 ¹⁾	10.80 W	12 V	50 W	45	72		680 lm	680 lm	2700 K	0.70
P AR111 50 40° 10.8 W/3000K G53 ¹⁾	10.80 W	12 V	50 W	45	72		680 lm	680 lm	3000 K	0.70
PPRO AR111 50 40° DIM 9.5 W/3000K G53 ¹⁾	9.50 W	12 V	50 W			1200 cd	650 lm	650 lm	3000 K	0.70
P AR111 75 24° 15 W/4000K G53 ¹⁾	15.00 W	12 V	75 W	45	72		850 lm	850 lm	4000 K	0.70
SST AR111 50 24° 12 W/2700K G53 GLOWdim ¹⁾	12.00 W	12 V	50 W	45	72		650 lm	650 lm	2700 K	0.70
SST AR111 50 40° 12 W/2700K G53 GLOWdim ¹⁾	12.00 W	12 V	50 W	45	72		650 lm	650 lm	2700 K	0.70
P AR111 75 40° 15 W/3000K G53 ¹⁾	15.00 W	12 V	75 W	98	72		800 lm	800 lm	3000 K	0.70
P AR111 75 24° 15 W/2700K G53 ¹⁾	15.00 W	12 V	75 W	45	72		800 lm	800 lm	2700 K	0.70
P AR111 75 24° 15 W/3000K G53 ¹⁾	15.00 W	12 V	75 W	98	72		800 lm	800 lm	3000 K	0.70
PPRO AR111 75 40° DIM 11.5 W/2700K G53 ¹⁾	11.50 W	12 V	75 W			1500 cd	800 lm	800 lm	2700 K	0.70
P AR111 75 40° 15 W/2700K G53 ¹⁾	15.00 W	12 V	75 W	45	72		800 lm	800 lm	2700 K	0.70
P AR111 100 24° 16 W/2700K G53 ¹⁾	16.00 W	12 V	100 W	45	72		1100 lm	1100 lm	2700 K	0.70

Product description	Light color (designation)	Color temperature	Luminous flux	Color rendering index Ra	Light technical data		Dimensions & weight		Temperatures & operating conditions
					Beam angle	Warm-up time (60 %)	Overall length	Diameter	Maximum temperature at tc test point
PPRO AR111 100 24° 14.5 W/2700K G53 ¹⁾	Warm White	2700 K	1100 lm	≥80	24 °	< 0.50 s	54.3 mm	111.0 mm	88 °C
P AR111 50 24° 10.8 W/2700K G53 ¹⁾	Warm White	2700 K	680 lm	≥90	24 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
P AR111 50 24° 10.8 W/3000K G53 ¹⁾	Warm White	3000 K	680 lm	≥90	24 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
P AR111 50 40° 10.8 W/2700K G53 ¹⁾	Warm White	2700 K	680 lm	≥90	40 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
P AR111 50 40° 10.8 W/3000K G53 ¹⁾	Warm White	3000 K	680 lm	≥90	40 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
PPRO AR111 50 40° DIM 9.5 W/3000K G53 ¹⁾	Warm White	3000 K	650 lm	≥90	40 °	0.50 s	54.3 mm	111.0 mm	88 °C
P AR111 75 24° 15 W/4000K G53 ¹⁾	Cool White	4000 K	850 lm	97	24 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
SST AR111 50 24° 12 W/2700K G53 GLOWdim ¹⁾	Warm White	2700 K	650 lm	≥90	24 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
SST AR111 50 40° 12 W/2700K G53 GLOWdim ¹⁾	Warm White	2700 K	650 lm	≥90	40 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
P AR111 75 40° 15 W/3000K G53 ¹⁾	Warm White	3000 K	800 lm	97	40 °	< 0.50 s	55.0 mm	111.0 mm	88 °C
P AR111 75 24° 15 W/2700K G53 ¹⁾	Warm White	2700 K	800 lm	97	24 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
P AR111 75 24° 15 W/3000K G53 ¹⁾	Warm White	3000 K	800 lm	97	24 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
PPRO AR111 75 40° DIM 11.5 W/2700K G53 ¹⁾	Warm White	2700 K	800 lm	≥90	40 °	0.50 s	54.3 mm	111.0 mm	88 °C
P AR111 75 40° 15 W/2700K G53 ¹⁾	Warm White	2700 K	800 lm	97	40 °	< 0.50 s	55.0 mm	111.0 mm	83 °C
P AR111 100 24° 16 W/2700K G53 ¹⁾	Warm White	2700 K	1100 lm	≥90	24 °	< 0.50 s	55.0 mm	111.0 mm	83 °C

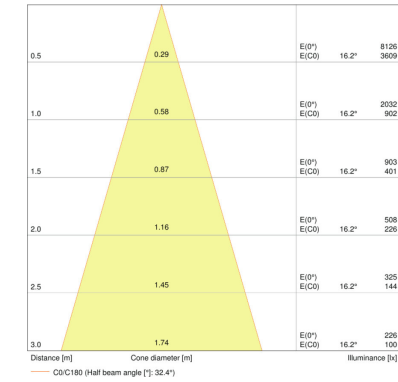
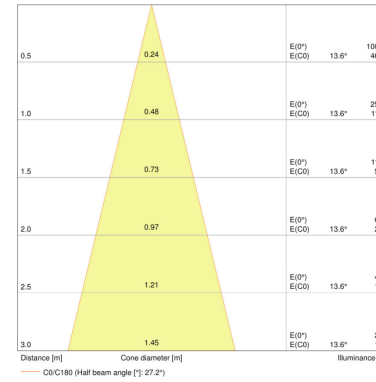
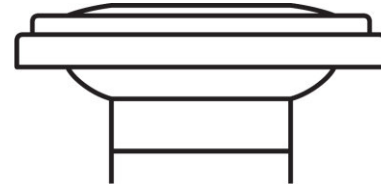
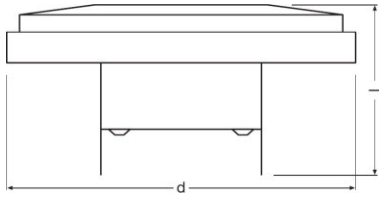
Product description	Lifespan		Additional product data			Capabilities	Certificates & standards	
	Nominal lamp life time	Number of switching cycles	Base (standard designation)	Mercury content	Mercury-free	Dimmable	Energy efficiency class	Energy consumption
PPRO AR111 100 24° 14.5 W/2700K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	15 kWh/1000h
P AR111 50 24° 10.8 W/2700K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	11 kWh/1000h
P AR111 50 24° 10.8 W/3000K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	11 kWh/1000h

Product description	Lifespan		Additional product data			Capabilities	Certificates & standards	
	Nominal lamp life time	Number of switching cycles	Base (standard designation)	Mercury content	Mercury-free	Dimmable	Energy efficiency class	Energy consumption
P AR111 50 40° 10.8 W/2700K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	11 kWh/1000h
P AR111 50 40° 10.8 W/3000K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	11 kWh/1000h
PPRO AR111 50 40° DIM 9.5 W/3000K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	10 kWh/1000h
P AR111 75 24° 15 W/4000K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	16 kWh/1000h
SST AR111 50 24° 12 W/2700K G53 GLOWdim ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	13 kWh/1000h
SST AR111 50 40° 12 W/2700K G53 GLOWdim ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	13 kWh/1000h
P AR111 75 40° 15 W/3000K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	16 kWh/1000h
P AR111 75 24° 15 W/2700K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	16 kWh/1000h
P AR111 75 24° 15 W/3000K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	16 kWh/1000h
PPRO AR111 75 40° DIM 11.5 W/2700K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	12 kWh/1000h
P AR111 75 40° 15 W/2700K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	16 kWh/1000h
P AR111 100 24° 16 W/2700K G53 ¹⁾	40000 h	100000	G53	0.0 mg	Yes	Yes	A	16 kWh/1000h

Product description	Country-specific categorizations
	ILCOS
PPRO AR111 100 24° 14.5 W/2700K G53 ¹⁾	DRRR-2/827-230-E14-50/30
P AR111 50 24° 10.8 W/2700K G53 ¹⁾	
P AR111 50 24° 10.8 W/3000K G53 ¹⁾	
P AR111 50 40° 10.8 W/2700K G53 ¹⁾	
P AR111 50 40° 10.8 W/3000K G53 ¹⁾	
PPRO AR111 50 40° DIM 9.5 W/3000K G53 ¹⁾	DRR-9,5/930-12-G53-111/40
P AR111 75 24° 15 W/4000K G53 ¹⁾	
SST AR111 50 24° 12 W/2700K G53 GLOWdim ¹⁾	
SST AR111 50 40° 12 W/2700K G53 GLOWdim ¹⁾	

Product description	Country-specific categorizations
P AR111 75 40° 15 W/3000K G53 ¹⁾	ILCOS
P AR111 75 24° 15 W/2700K G53 ¹⁾	
P AR111 75 24° 15 W/3000K G53 ¹⁾	
PPRO AR111 75 40° DIM 11.5 W/2700K G53 ¹⁾	DRR-11,5/927-12-G53-111/40
P AR111 75 40° 15 W/2700K G53 ¹⁾	
P AR111 100 24° 16 W/2700K G53 ¹⁾	

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

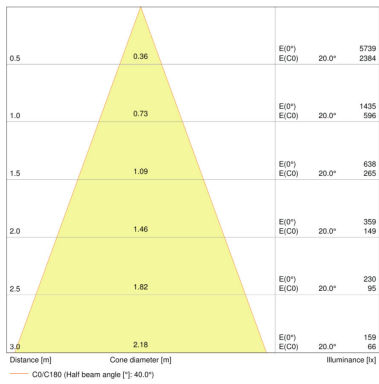


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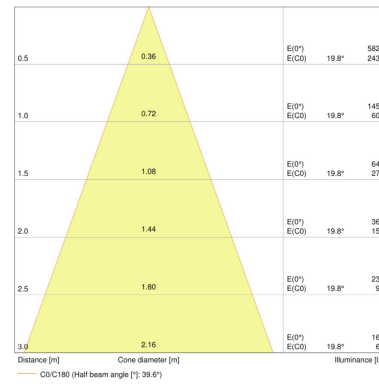
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P AR111 50 24° 10.8 W/2700K G53

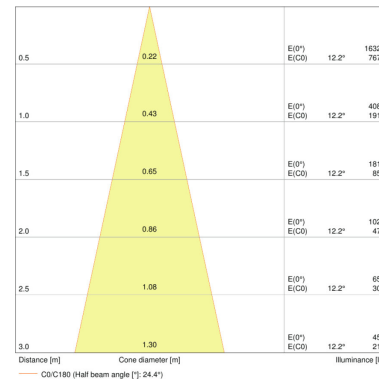
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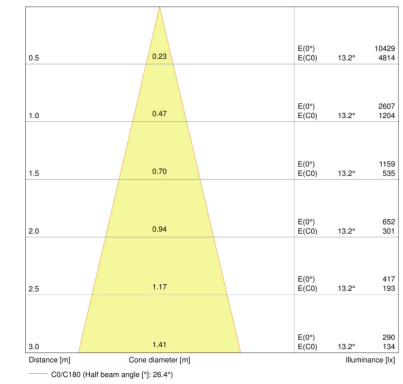
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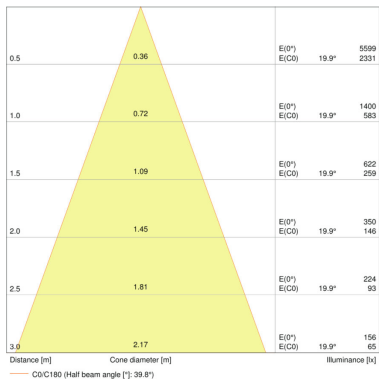
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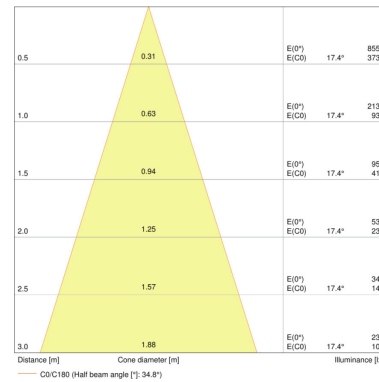
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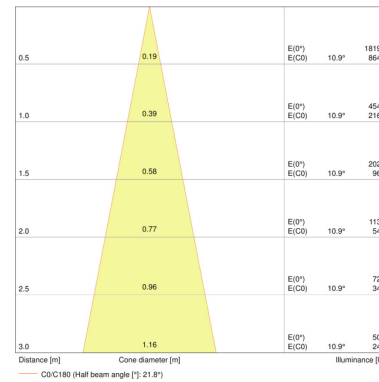
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GLOWdim



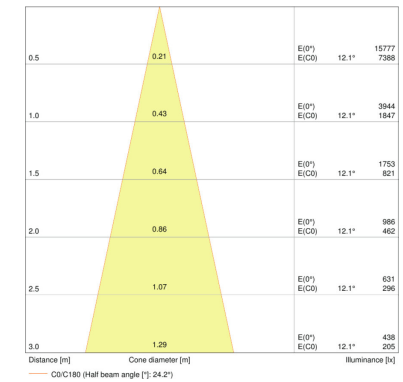
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GLOWdim



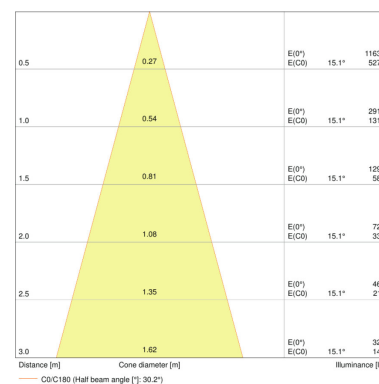
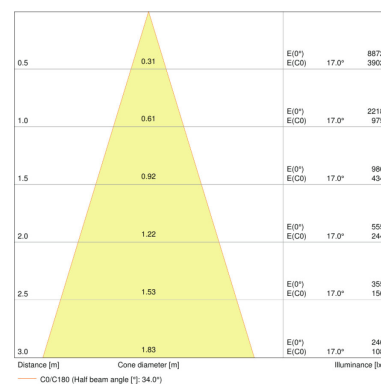
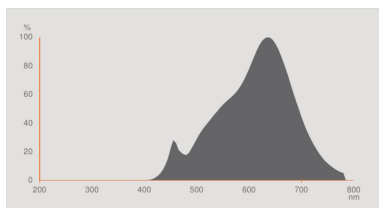
P AR111 75 40° 15 W/3000K G53



P AR111 75 24° 15 W/2700K G53



P AR111 75 24° 15 W/3000K G53



PPRO AR111 75 40° DIM 11.5 W/2700K G53

P AR111 75 40° 15 W/2700K G53

P AR111 100 24° 16 W/2700K 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
4058075813069	Shipping carton box 6	275 mm x 185 mm x 130 mm	1467.00 g	6.61 dm ³
4058075104945	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075104921	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075105003	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075104983	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075017894	Shipping carton box 6	275 mm x 185 mm x 130 mm	1461.00 g	6.61 dm ³
4058075105027	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075104907	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075104969	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075105089	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075105065	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075105041	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075017979	Shipping carton box 6	275 mm x 185 mm x 130 mm	1451.00 g	6.61 dm ³
4058075105102	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 g	6.61 dm ³
4058075105126	Shipping carton box 6	275 mm x 185 mm x 130 mm	1605.00 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

DISCLAIMER

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