PRODUCT FAMILY DATASHEET
PARATHOM® R50

LED reflector lamps R50 with retrofit screw 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
- Instant 100 % light, no warm-up time

Product features

- LED alternative to high voltage halogen lamps
- Not dimmable
- Base: E14
- Lamp made of glass
- Good quality of light; color rendering index R_a: ≥ 80
- Lifetime: up to 15,000 h



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TECHNICAL DATA

Electrical data

Product description	Nominal wattage	Construction wattage	Nominal voltage	Claimed equiv. conventional lamp power	Nominal current
P R50 25 36 ° 1.5 W/2700 K E14	1.5 W	1.50 W	220...240 V	25 W	12 mA
P R50 25 36 ° 1.5 W/2700 K E14	1.5 W	1.50 W	220...240 V	25 W	12 mA
P R50 40 36 ° 2.6 W/2700 K E14	2.6 W	2.60 W	220...240 V	40 W	20 mA
P R50 60 36 ° 4.3 W/2700 K E14	4.3 W	4.30 W	220...240 V	60 W	34.5 mA
P R50 60 36 ° 4.3 W/2700 K E14	4.3 W	4.30 W	220...240 V	60 W	34.5 mA

Product description	Type of current	Inrush current	Operating frequency	Mains frequency	Max. lamp no. on circuit break. 10 A (B)
P R50 25 36 ° 1.5 W/2700 K E14	AC	9.2 A	50...60 Hz	50...60 Hz	300
P R50 25 36 ° 1.5 W/2700 K E14	AC	9.6 A	50/60 Hz	50/60 Hz	330
P R50 40 36 ° 2.6 W/2700 K E14	AC	9.6 A	50/60 Hz	50/60 Hz	213
P R50 60 36 ° 4.3 W/2700 K E14	AC	9.5 A	50...60 Hz	50...60 Hz	300
P R50 60 36 ° 4.3 W/2700 K E14	AC	9.6 A	50/60 Hz	50/60 Hz	129

Product description	Max. lamp no. on circuit break. 16 A (B)	Power factor λ
P R50 25 36 ° 1.5 W/2700 K E14	400	> 0.40
P R50 25 36 ° 1.5 W/2700 K E14	516	0.40
P R50 40 36 ° 2.6 W/2700 K E14	341	0.40
P R50 60 36 ° 4.3 W/2700 K E14	400	> 0.50
P R50 60 36 ° 4.3 W/2700 K E14	206	0.40

Photometrical data

Product description	Luminous intensity	Luminous flux	Nominal useful luminous flux 90°	Luminous efficacy	Lumen main.fact.at end of nom.life time
P R50 25 36 ° 1.5 W/2700 K E14	248 cd	110 lm	110 lm	73 lm/W	0.70
P R50 25 36 ° 1.5 W/2700 K E14	248 cd	110 lm	110 lm	73 lm/W	0.70
P R50 40 36 ° 2.6 W/2700 K E14	398 cd	210 lm	210 lm	80 lm/W	0.70
P R50 60 36 ° 4.3 W/2700 K E14	582 cd	345 lm	345 lm	80 lm/W	0.70
P R50 60 36 ° 4.3 W/2700 K E14	582 cd	350 lm	350 lm	81 lm/W	0.70

Product description	Light color (designation)	Color temperature	Color rendering index Ra	Light color	Standard deviation of color matching
P R50 25 36 ° 1.5 W/2700 K E14	Warm White	2700 K	≥80	827	≤6 sdcm



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Product description	Light color (designation)	Color temperature	Color rendering index Ra	Light color	Standard deviation of color matching
P R50 25 36 ° 1.5 W/2700 K E14	Warm White	2700 K	≥80	827	≤6 sdcm
P R50 40 36 ° 2.6 W/2700 K E14	Warm White	2700 K	≥80	827	≤6 sdcm
P R50 60 36 ° 4.3 W/2700 K E14	Warm White	2700 K	≥80	827	≤6 sdcm
P R50 60 36 ° 4.3 W/2700 K E14	Warm White	2700 K	≥80	827	≤6 sdcm

Product description	Rated peak intensity	Rated LLMF at 6,000 h
P R50 25 36 ° 1.5 W/2700 K E14	248 cd	0.80
P R50 25 36 ° 1.5 W/2700 K E14	248 cd	0.80
P R50 40 36 ° 2.6 W/2700 K E14	398 cd	0.80
P R50 60 36 ° 4.3 W/2700 K E14	582 cd	0.80
P R50 60 36 ° 4.3 W/2700 K E14	582 cd	0.80

Light technical data

Product description	Beam angle	Warm-up time (60 %)	Starting time	Rated beam angle (half peak value)
P R50 25 36 ° 1.5 W/2700 K E14	36 °	‹ 0.50 s	< 0.5 s	36.00 °
P R50 25 36 ° 1.5 W/2700 K E14	36 °	‹ 0.50 s	< 0.5 s	36.00 °
P R50 40 36 ° 2.6 W/2700 K E14	36 °	‹ 0.50 s	< 0.5 s	36.00 °
P R50 60 36 ° 4.3 W/2700 K E14	36 °	‹ 0.50 s	< 0.5 s	36.00 °
P R50 60 36 ° 4.3 W/2700 K E14	36 °	‹ 0.50 s	< 0.5 s	36.00 °

Dimensions & Weight

Product description	Overall length	Diameter	Maximum diameter	Product weight
P R50 25 36 ° 1.5 W/2700 K E14	85.00 mm	50,0 mm	50 mm	62.00 g
P R50 25 36 ° 1.5 W/2700 K E14	85.00 mm	50,0 mm	50 mm	62.00 g
P R50 40 36 ° 2.6 W/2700 K E14	85.00 mm	50,0 mm	50 mm	62.00 g
P R50 60 36 ° 4.3 W/2700 K E14	85.00 mm	50.00 mm	50 mm	62.00 g
P R50 60 36 ° 4.3 W/2700 K E14	85.00 mm	50.00 mm	50 mm	62.00 g

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point
P R50 25 36 ° 1.5 W/2700 K E14	-20…+40 °C	58 °C
P R50 25 36 ° 1.5 W/2700 K E14	-20…+40 °C	75 °C
P R50 40 36 ° 2.6 W/2700 K E14	-20…+40 °C	80 °C
P R50 60 36 ° 4.3 W/2700 K E14	-20…+40 °C	84 °C
P R50 60 36 ° 4.3 W/2700 K E14	-20…+40 °C	85 °C

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Lifespan

Product description	Nominal lamp life time	Number of switching cycles	Lumen maintenance at end of serv	Rated lamp survival factor at 6,000
P R50 25 36 ° 1.5 W/2700 K E14	15000 h	100000	0.70	≥ 0.90
P R50 25 36 ° 1.5 W/2700 K E14	15000 h	100000	0.70	≥ 0.90
P R50 40 36 ° 2.6 W/2700 K E14	15000 h	100000	0.70	≥ 0.90
P R50 60 36 ° 4.3 W/2700 K E14	15000 h	100000	0.70	≥ 0.90
P R50 60 36 ° 4.3 W/2700 K E14	15000 h	100000	0.70	≥ 0.90

Additional product data

Product description	Base (standard designation)	Mercury content	Mercury-free	Product remark
P R50 25 36 ° 1.5 W/2700 K E14	E14	0.0 mg	Yes	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
P R50 25 36 ° 1.5 W/2700 K E14	E14	0.0 mg	Yes	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
P R50 40 36 ° 2.6 W/2700 K E14	E14	0.0 mg	Yes	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
P R50 60 36 ° 4.3 W/2700 K E14	E14	0.0 mg	Yes	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
P R50 60 36 ° 4.3 W/2700 K E14	E14	0.0 mg	Yes	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

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Product description	Dimmable
P R50 25 36 ° 1.5 W/2700 K E14	No
P R50 25 36 ° 1.5 W/2700 K E14	No
P R50 40 36 ° 2.6 W/2700 K E14	No
P R50 60 36 ° 4.3 W/2700 K E14	No
P R50 60 36 ° 4.3 W/2700 K E14	No

Certificates & Standards

Product description	Energy efficiency class	Energy consumption	Type of protection	Standards	Photobiological safety group acc. to EN62778
P R50 25 36 ° 1.5 W/2700 K E14	A++[1)]	2.00 kWh/1000h	IP20	CE / EAC	RG1
P R50 25 36 ° 1.5 W/2700 K E14	F[2)]	2.00 kWh/1000h	IP20	CE / EAC	RG1
P R50 40 36 ° 2.6 W/2700 K E14	F[2)]	3.00 kWh/1000h	IP20	CE / EAC	RG1
P R50 60 36 ° 4.3 W/2700 K E14	A+[1)]	5.00 kWh/1000h	IP20	CE / EAC	RG1
P R50 60 36 ° 4.3 W/2700 K E14	F[2)]	5.00 kWh/1000h	IP20	CE / EAC	RG1

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

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

Energy labellling regulation data acc EU 2019/2015

Product description	Light source cap-type (or other electric interface)	Length	Height	Width
P R50 25 36 ° 1.5 W/2700 K E14	E14	85.00 mm	50,0 mm	50,0 mm
P R50 25 36 ° 1.5 W/2700 K E14	E14	85.00 mm	50,0 mm	50,0 mm
P R50 40 36 ° 2.6 W/2700 K E14	E14	85.00 mm	50,0 mm	50,0 mm
P R50 60 36 ° 4.3 W/2700 K E14	E14	85.00 mm	50.00 mm	50.00 mm
P R50 60 36 ° 4.3 W/2700 K E14	E14	85.00 mm	50.00 mm	50.00 mm

APPLICATION ADVICE

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

SALES AND TECHNICAL SUPPORT

Sales and Technical Support www.ledvance.com

COUNTRY SPECIFIC INFORMATION

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Product description	Product code	METEL-Code	SEG number	STK number	UK Org
P R50 25 36 ° 1.5 W/2700 K E14	4058075448629	-	8295481	4731546	-
P R50 25 36 ° 1.5 W/2700 K E14	4058075607934	-	8296911	-	-
P R50 40 36 ° 2.6 W/2700 K E14	4058075607859	-	8296912	-	-
P R50 60 36 ° 4.3 W/2700 K E14	4058075448520	-	8295483	4731548	-
P R50 60 36 ° 4.3 W/2700 K E14	4058075607835	-	8296913	-	-

DOWNLOAD DATA

	DOWNLOAD DATA
	IES file (IES) AC08049_R50 25 1,6W 230V GL E14
	LDT file (Eulumdat) AC08049_R50 25 1,6W 230V GL E14
PDF	Declarations of conformity R39 R50 R63 R80 LED lamp
PDF	Declarations of conformity R39 R50 R63 R80 LED lamp
	IES file (IES) AC08052_R50 60 4,3W 230V GL E14
	LDT file (Eulumdat) AC08052_R50 60 4,3W 230V GL E14
PDF	Declarations of conformity R39 R50 R63 R80 LED lamp

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075448629	Folding box 1	51 mm x 51 mm x 88 mm	72.00 g	0.23 dm^3
4058075607934	Folding box 1	51 mm x 51 mm x 88 mm	74.00 g	0.23 dm^3
4058075607859	Folding box 1	51 mm x 51 mm x 88 mm	74.00 g	0.23 dm^3
4058075448520	Folding box 1	51 mm x 51 mm x 88 mm	72.00 g	0.23 dm^3
4058075607835	Folding box 1	51 mm x 51 mm x 88 mm	74.00 g	0.23 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.



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When placing an order, for the quantity please enter single or multiples of a shipping unit.

References / Links

- For further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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



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