

PRODUCT FAMILY DATASHEET

PARATHOM® R63

LED reflector lamps R63 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: E27
- Lamp made of glass
- Good quality of light; color rendering index $R_a \geq 80$
- Lifetime: up to 15,000 h



TECHNICAL DATA

Electrical data

Product description	Nominal wattage	Construction wattage	Nominal voltage	Claimed equiv. conventional lamp power	Nominal current
P R63 40 36 ° 2.6 W/2700 K E27	2.6 W	2.60 W	220...240 V	40 W	20 mA
P R63 40 36 ° 2.6 W/2700 K E27	2.6 W	2.60 W	220...240 V	40 W	20 mA
P R63 60 36 ° 4.3 W/2700 K E27	4.3 W	4.30 W	220...240 V	60 W	34.5 mA
P R63 60 36 ° 4.3 W/2700 K E27	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 R63 40 36 ° 2.6 W/2700 K E27	AC	9.6 A	50/60 Hz	50/60 Hz	213
P R63 40 36 ° 2.6 W/2700 K E27	AC	9.5 A	50...60 Hz	50...60 Hz	300
P R63 60 36 ° 4.3 W/2700 K E27	AC	9.5 A	50...60 Hz	50...60 Hz	300
P R63 60 36 ° 4.3 W/2700 K E27	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 R63 40 36 ° 2.6 W/2700 K E27	341	0.40
P R63 40 36 ° 2.6 W/2700 K E27	400	> 0.50
P R63 60 36 ° 4.3 W/2700 K E27	400	> 0.50
P R63 60 36 ° 4.3 W/2700 K E27	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 R63 40 36 ° 2.6 W/2700 K E27	398 cd	210 lm	210 lm	80 lm/W	0.70
P R63 40 36 ° 2.6 W/2700 K E27	398 cd	210 lm	210 lm	80 lm/W	0.70
P R63 60 36 ° 4.3 W/2700 K E27	582 cd	345 lm	345 lm	80 lm/W	0.70
P R63 60 36 ° 4.3 W/2700 K E27	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 R63 40 36 ° 2.6 W/2700 K E27	Warm White	2700 K	≥80	827	≤6 sdc
P R63 40 36 ° 2.6 W/2700 K E27	Warm White	2700 K	≥80	827	≤6 sdc
P R63 60 36 ° 4.3 W/2700 K E27	Warm White	2700 K	≥80	827	≤6 sdc
P R63 60 36 ° 4.3 W/2700 K E27	Warm White	2700 K	≥80	827	≤6 sdc

Product description	Rated peak intensity	Rated LLMF at 6,000 h	Flickering metric (Pst LM)	Stroboscope effect metric (SVM)
P R63 40 36 ° 2.6 W/2700 K E27	398 cd	0.80	0.1	0.1
P R63 40 36 ° 2.6 W/2700 K E27	398 cd	0.80		
P R63 60 36 ° 4.3 W/2700 K E27	582 cd	0.80		
P R63 60 36 ° 4.3 W/2700 K E27	582 cd	0.80	0.1	0.1

Light technical data

Product description	Beam angle	Warm-up time (60 %)	Starting time	Rated beam angle (half peak value)
P R63 40 36 ° 2.6 W/2700 K E27	NARROW_CONE_90	< 0.50 s	< 0.5 s	36.00 °
P R63 40 36 ° 2.6 W/2700 K E27	36 °	< 0.50 s	< 0.5 s	36.00 °
P R63 60 36 ° 4.3 W/2700 K E27	36 °	< 0.50 s	< 0.5 s	36.00 °
P R63 60 36 ° 4.3 W/2700 K E27	36 °	< 0.50 s	< 0.5 s	36.00 °

Dimensions & Weight

Product description	Overall length	Length	Width (incl. round luminaires)	Height (incl. round luminaires)
P R63 40 36 ° 2.6 W/2700 K E27	102.00 mm	102.00 mm	63.00 mm	63.00 mm
P R63 40 36 ° 2.6 W/2700 K E27	102.00 mm	102.00 mm	63.00 mm	63.00 mm
P R63 60 36 ° 4.3 W/2700 K E27	102.00 mm	102.00 mm	63.00 mm	63.00 mm
P R63 60 36 ° 4.3 W/2700 K E27	101.50 mm	101.50 mm	63.00 mm	63.00 mm

Product description	Diameter	Maximum diameter	Product weight
P R63 40 36 ° 2.6 W/2700 K E27	63.00 mm	63 mm	102.00 g
P R63 40 36 ° 2.6 W/2700 K E27	63.00 mm	63 mm	102.00 g
P R63 60 36 ° 4.3 W/2700 K E27	63.00 mm	63 mm	102.00 g
P R63 60 36 ° 4.3 W/2700 K E27	63.00 mm	63 mm	102.00 g

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point
P R63 40 36 ° 2.6 W/2700 K E27	-20...+40 °C	83 °C
P R63 40 36 ° 2.6 W/2700 K E27	-20...+40 °C	70 °C
P R63 60 36 ° 4.3 W/2700 K E27	-20...+40 °C	81 °C
P R63 60 36 ° 4.3 W/2700 K E27	-20...+40 °C	75 °C

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 R63 40 36 ° 2.6 W/2700 K E27	15000 h	100000	0.70	≥ 0.90

Product description	Nominal lamp life time	Number of switching cycles	Lumen maintenance at end of serv	Rated lamp survival factor at 6,000
P R63 40 36 ° 2.6 W/2700 K E27	15000 h	100000	0.70	≥ 0.90
P R63 60 36 ° 4.3 W/2700 K E27	15000 h	100000	0.70	≥ 0.90
P R63 60 36 ° 4.3 W/2700 K E27	15000 h	100000	0.70	≥ 0.90

Additional product data

Product description	Base (standard designation)	Mercury content	Mercury-free	Product remark
P R63 40 36 ° 2.6 W/2700 K E27	E27	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 R63 40 36 ° 2.6 W/2700 K E27	E27	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 R63 60 36 ° 4.3 W/2700 K E27	E27	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 R63 60 36 ° 4.3 W/2700 K E27	E27	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

Product description	Dimmable
P R63 40 36 ° 2.6 W/2700 K E27	No
P R63 40 36 ° 2.6 W/2700 K E27	No
P R63 60 36 ° 4.3 W/2700 K E27	No
P R63 60 36 ° 4.3 W/2700 K E27	No

Certificates & Standards

Product description	Energy efficiency class	Energy consumption	Type of protection	Standards	Photobiological safety group acc. to EN62778
P R63 40 36 ° 2.6 W/2700 K E27	F ¹⁾	3.00 kWh/1000h	IP20	CE / EAC	RG1
P R63 40 36 ° 2.6 W/2700 K E27	A++ ²⁾	3.00 kWh/1000h	IP20	CE / EAC	RG1
P R63 60 36 ° 4.3 W/2700 K E27	A+ ²⁾	5.00 kWh/1000h	IP20	CE / EAC	RG1
P R63 60 36 ° 4.3 W/2700 K E27	F ¹⁾	5.00 kWh/1000h	IP20	CE / EAC	RG1

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

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

Energy labelling regulation data acc EU 2019/2015

Product description	Lighting technology used	Non-directional or directional	Mains or non-mains	Light source cap-type (or other electric interface)	Connected light source (CLS)
P R63 40 36 ° 2.6 W/2700 K E27	LED	DLS	MLS	E27	No
P R63 40 36 ° 2.6 W/2700 K E27				E27	
P R63 60 36 ° 4.3 W/2700 K E27				E27	
P R63 60 36 ° 4.3 W/2700 K E27	LED	DLS	MLS	E27	No

Product description	Color-tuneable light source	Envelope	High luminance light source	Anti-glare shield	Correlated colour temperature type
P R63 40 36 ° 2.6 W/2700 K E27	No	No	No	No	SINGLE_VALUE
P R63 40 36 ° 2.6 W/2700 K E27					SINGLE_VALUE
P R63 60 36 ° 4.3 W/2700 K E27					SINGLE_VALUE
P R63 60 36 ° 4.3 W/2700 K E27	No	No	No	No	SINGLE_VALUE

Product description	Claim of equivalent power	Chromaticity coordinate x	Chromaticity coordinate y	R9 Colour rendering index	Beam angle
P R63 40 36 ° 2.6 W/2700 K E27	Yes	0.455	0.405	1	NARROW_CONE_90
P R63 40 36 ° 2.6 W/2700 K E27					
P R63 60 36 ° 4.3 W/2700 K E27					
P R63 60 36 ° 4.3 W/2700 K E27	Yes	0.455	0.405	1	NARROW_CONE_90

Product description	Survival factor	Displacement factor	LED light source replaces a fluorescent light source	EPREL ID	Model number
P R63 40 36 ° 2.6 W/2700 K E27	0,9	0.50	not applicable	522936	AC32666
P R63 40 36 ° 2.6 W/2700 K E27					
P R63 60 36 ° 4.3 W/2700 K E27					

Product description	Survival factor	Displacement factor	LED light source replaces a fluorescent light source	EPREL ID	Model number
P R63 60 36 ° 4.3 W/2700 K E27	0,9	0.50	not applicable	522934	AC32667

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

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
P R63 40 36 ° 2.6 W/2700 K E27	4058075607910	-	8296914	-	-
P R63 40 36 ° 2.6 W/2700 K E27	4058075448605	-	8295484	4731549	-
P R63 60 36 ° 4.3 W/2700 K E27	4058075448568	-	8295485	4731550	-
P R63 60 36 ° 4.3 W/2700 K E27	4058075607873	-	8296915	-	-

DOWNLOAD DATA

DOWNLOAD DATA	
	IES file (IES) AC08053_R63 40 3,3W 230V GL E27
	LDT file (Eulumdat) AC08053_R63 40 3,3W 230V GL E27
	IES file (IES) AC08054_R63 60 4,3W 260V GL E27
	LDT file (Eulumdat) AC08054_R63 60 4,3W 260V GL E27

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075607910	Folding box 1	65 mm x 65 mm x 107 mm	119.00 g	0.45 dm ³
4058075448605	Folding box 1	65 mm x 65 mm x 107 mm	119.00 g	0.45 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075448568	Folding box 1	65 mm x 65 mm x 107 mm	119.00 g	0.45 dm ³
4058075607873	Folding box 1	65 mm x 65 mm x 107 mm	119.00 g	0.45 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 further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- For Guarantee see www.ledvance.com/guarantee

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