

Product family datasheet

PARATHOM DIM PAR 16

Dimmable LED reflector lamps PAR16 with retrofit pin base



Technical data

Product description	Electrical data						
	Rated wattage	Nominal wattage	Nominal voltage	Claimed equiv. conventional lamp power	Operating frequency	Nominal current	Power factor λ
P DIM PAR16 340 W/927 GU10	3,40 W	3,40 W	220...240 V	35 W	50/60 Hz	26 mA	> 0,50
P DIM PAR16 450 W/927 GU10				50 W	50/60 Hz	27 mA	
P DIM PAR16 450 W/930 GU10				50 W	50/60 Hz	27 mA	
P DIM PAR16 830 W/927 GU10				80 W	50/60 Hz	46 mA	
P DIM PAR16 830 W/930 GU10				80 W	50/60 Hz	46 mA	
P DIM PAR16 830 W/940 GU10				80 W	50/60 Hz	46 mA	
P DIM PAR16 830 W/927 GU10				80 W	50/60 Hz	46 mA	
P DIM PAR16 830 W/930 GU10				80 W	50/60 Hz	46 mA	
P DIM PAR16 830 W/940 GU10				80 W	50/60 Hz	46 mA	

Product description	Photometrical data						
	Max. lamp no. on circuit break. 16 A (B)	Max. lamp no. on circuit break. 10 A (B)	Luminous intensity	Nominal luminous flux	Rated luminous flux	Rated color temperature	Color rendering index Ra
P DIM PAR16 340 W/927 GU10	379	237	630 cd	230 lm	230 lm	2700 K	≥90
P DIM PAR16 450 W/927 GU10			690 cd				
P DIM PAR16 450 W/930 GU10			690 cd				
P DIM PAR16 830 W/927 GU10			840 cd				
P DIM PAR16 830 W/930 GU10			840 cd				
P DIM PAR16 830 W/940 GU10			840 cd				
P DIM PAR16 830 W/927 GU10			560 cd				
P DIM PAR16 830 W/930 GU10			560 cd				
P DIM PAR16 830 W/940 GU10			560 cd				

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					Light technical data		
Product description	Light color (designation)	Standard deviation of color matching	Color temperature	Lumen main.fact.at end of nom.life time	Beam angle	Warm-up time (60 %)	Starting time
P DIM PAR16 340 W/927 GU10	Warm White	≤5 sdc	2700 K	0,70	36 °	< 0,50 s	< 0,5 s
P DIM PAR16 450 W/927 GU10	Warm White				36 °		
P DIM PAR16 450 W/930 GU10	Warm White				36 °		
P DIM PAR16 830 W/927 GU10	Warm White				36 °		
P DIM PAR16 830 W/930 GU10	Warm White				36 °		
P DIM PAR16 830 W/940 GU10	Cool White				36 °		
P DIM PAR16 830 W/927 GU10	Warm White				60 °		
P DIM PAR16 830 W/930 GU10	Warm White				60 °		
P DIM PAR16 830 W/940 GU10	Cool White				60 °		

Product description	Dimensions & weight					Temperatures & operating conditions	Lifespan
	Overall length	Diameter	Outer bulb	Length	Product weight	Ambient temperature range	Nominal lamp life time
P DIM PAR16 340 W/927 GU10	54.00 mm	51,0 mm	PAR51	54,0 mm	38.00 g	-20...+40 °C	25000 h
P DIM PAR16 450 W/927 GU10	54.00 mm				41.00 g	-20...+40 °C	
P DIM PAR16 450 W/930 GU10	54.00 mm				48.00 g	-20...+40 °C	
P DIM PAR16 830 W/927 GU10	52.00 mm				56.00 g	-20...+40 °C	
P DIM PAR16 830 W/930 GU10	52.00 mm				56.00 g	-20...+40 °C	
P DIM PAR16 830 W/940 GU10	52.00 mm				56.00 g	-20...+40 °C	
P DIM PAR16 830 W/927 GU10	52.00 mm				56.00 g	-20...+40 °C	
P DIM PAR16 830 W/930 GU10	52.00 mm				56.00 g	-20...+40 °C	
P DIM PAR16 830 W/940 GU10	52.00 mm				56.00 g	-20...+40 °C	

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				Additional product data			
Product description	Rated lamp life time	Number of switching cycles	Lumen maintenance at end of service life	Base (standard designation)	Mercury-free	Product remark	Successor EAN
P DIM PAR16 340 W/927 GU10	25000 h	100000	0.7	GU10	Yes	所有技术参数适用于全部灯泡/由于对发光二极管复杂的生产工艺, 典型值显示为技术LED参数仅仅是统计值, 未必能满足每一个产品的实际技术参数, 可以与典型值不同	
P DIM PAR16 450 W/927 GU10			0.7		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	

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				Additional product data			
Product description	Rated lamp life time	Number of switching cycles	Lumen maintenance at end of service life	Base (standard designation)	Mercury-free	Product remark	Successor EAN
P DIM PAR16 450 W/930 GU10			0.7		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 DIM PAR16 830 W/927 GU10			0.7				4058075609136
P DIM PAR16 830 W/930 GU10			0.7				4058075609112
P DIM PAR16 830 W/940 GU10			0.7				4058075609099
P DIM PAR16 830 W/927 GU10			0.7				4058075609075
P DIM PAR16 830 W/930 GU10			0.7				4058075609037
P DIM PAR16 830 W/940 GU10			0.7				

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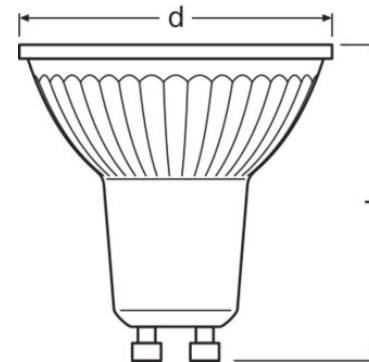
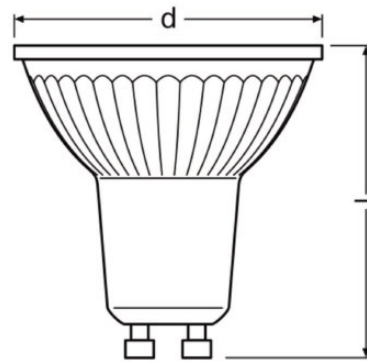
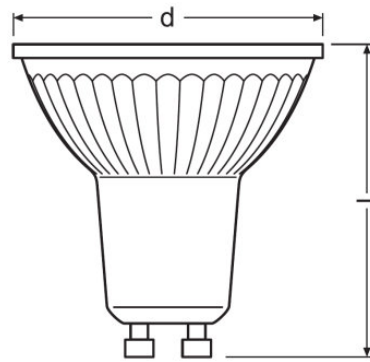
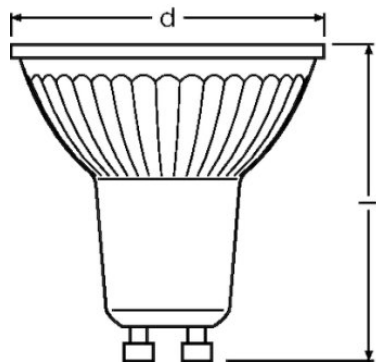
		Capabilities	Certificates & standards			Country specific categorizations	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
Product description	Predecessor EAN	Dimmable	Type of protection	Energy consumption	Energy efficiency class	Order reference	Date of Declaration
P DIM PAR16 340 W/927 GU10		Si	IP20	4.00 kWh/1000h	G	LPPAR16D3536 3,	25-11-2022
P DIM PAR16 450 W/927 GU10				5.00 kWh/1000h	F		15-03-2023
P DIM PAR16 450 W/930 GU10				5.00 kWh/1000h	F		07-03-2023
P DIM PAR16 830 W/927 GU10	4058075095489, 4058075449282			9.00 kWh/1000h	G		18-04-2022
P DIM PAR16 830 W/930 GU10	4058075095465, 4058075449268			9.00 kWh/1000h	G		01-07-2022
P DIM PAR16 830 W/940 GU10	4058075095441, 4058075449244			9.00 kWh/1000h	G		18-04-2022
P DIM PAR16 830 W/927 GU10	4058075449220			9.00 kWh/1000h	G		01-07-2022
P DIM PAR16 830 W/930 GU10	4058075095526, 4058075449206			9.00 kWh/1000h	G		01-07-2022
P DIM PAR16 830 W/940 GU10				9.00 kWh/1000h	G		01-07-2022

Product description	Primary Article Identifier	Declaration No. in SCIP database
P DIM PAR16 340 W/927 GU10	4058075259973 4058075797536	In work
P DIM PAR16 450 W/927 GU10	4058075608337 4058075797857	In work
P DIM PAR16 450 W/930 GU10	4058075608290 4058075797963	In work
P DIM PAR16 830 W/927 GU10	4058075449282 4058075609136	In work

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Product description	Primary Article Identifier	Declaration No. in SCIP database
P DIM PAR16 830 W/930 GU10	4058075449268 4058075609112	In work
P DIM PAR16 830 W/940 GU10	4058075449244 4058075609099	In work
P DIM PAR16 830 W/927 GU10	4058075449220 4058075609075	In work
P DIM PAR16 830 W/930 GU10	4058075449206 4058075609051	In work
P DIM PAR16 830 W/940 GU10	4058075449183 4058075609037	In work

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P DIM PAR16 340 W/927 GU10, P DIM
PAR16 830 W/927 GU10, P DIM PAR16
830 W/930 GU10, P DIM PAR16 830
W/940 GU10, P DIM PAR16 830 W/927
GU10, P DIM PAR16 830 W/930 GU10

P DIM PAR16 450 W/927 GU10

P DIM PAR16 450 W/930 GU10

P DIM PAR16 830 W/940 GU10

Application advice

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

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Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075797536	P DIM PAR16 340 W/927 GU10	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	500.00 g
4058075608337	P DIM PAR16 450 W/927 GU10	Shipping carton box 10	257 mm x 110 mm x 70 mm	1.98 dm ³	528.00 g
4058075797857	P DIM PAR16 450 W/927 GU10	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	500.00 g
4058075608290	P DIM PAR16 450 W/930 GU10	Shipping carton box 10	257 mm x 110 mm x 70 mm	1.98 dm ³	598.00 g
4058075797963	P DIM PAR16 450 W/930 GU10	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	500.00 g
4058075609136	P DIM PAR16 830 W/927 GU10	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	683.00 g
4058075609112	P DIM PAR16 830 W/930 GU10	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	680.00 g
4058075609099	P DIM PAR16 830 W/940 GU10	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	683.00 g
4058075609075	P DIM PAR16 830 W/927 GU10	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	680.00 g

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Logistical Data

4058075609051	P DIM PAR16 830 W/930 GU10	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	683.00 g
4058075609037	P DIM PAR16 830 W/940 GU10	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	680.00 g

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.osram.com/DIM

For further products and actual information concerning LED lamps see

- ▶ www.osram.com/ledlamps

For Guarantee see [https://](https://www.inventronics-light.com/multilevel-guarantees)

- ▶ www.inventronics-light.com/multilevel-guarantees

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