



Classic heritage design

Classic LEDspotMV

Featuring a classic heritage design, Classic LEDspotMV delivers warm halogen-like light while saving around 90% on energy costs. It is compatible with most existing fixtures with a GU10 holder and is designed as a retrofit replacement for halogen or incandescent spots. LED lamps deliver significant energy savings and minimize maintenance costs.

Benefits

- \cdot Long lifetime
- Huge energy savings
- Low heat generation.

Features

- Classic heritage design
- Easy retrofit
- Energy-efficient

Application

- Operating temperature range is between -20 °C and 45 °C ambient
- Only to be used in dry indoor environments; can be used in most open fixtures with GU10 lamp holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency lighting fixtures or exit lights

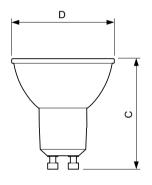
Classic LEDspotMV

Versions



LEDspotMV GU10 MR16 ND

Dimensional drawing





CorePro LEDspot MV 25W GU10 830 36D

Product	D	с
Essential LED 4.6-50W GU10 827 36D	50 mm	54 mm
Essential LED 4.6-50W GU10 830 36D	50 mm	54 mm

Product family leaflet, 2023, November 28

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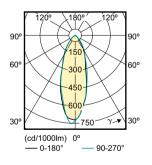
General Information				
Cap-Base	GU10			
Switching Cycle	50,000			
Nominal lifetime	15,000 hour(s)			
Light Technical				
Beam Angle (Nom)	36 degree(s)			
Color rendering index (CRI)	80			
LLMF At End Of Nominal Lifetime	70 %			
(Nom)				
Operating and Electrical				
Input Frequency	50 to 60 Hz			
Line Frequency	50 to 60 Hz			
Power Consumption	4.6 W			
Starting Time (Nom)	0.5 s			
Wattage Equivalent	50 W			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Bulb Shape	PAR16			
Approval and Application				
Energy Consumption kWh/1000 h	5 kWh			

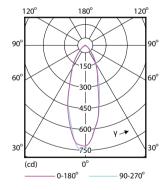
Light Technical

		Correlated Color	Color		Luminous	
Order Code	Full Product Name	Temperature (Nom)	Code	Luminous Flux	Intensity (Nom)	
929001215208	Essential LED 4.6-50W	2700 K	827	395 lm	700 cd	
	GU10 827 36D					
929001218108	Essential LED 4.6-50W	3000 K	830	410 lm	740 cd	
	GU10 830 36D					

Temperature

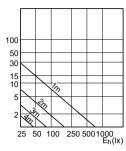
Order Code	Full Product Name	T-Case Maximum (Nom)
929001215208	Essential LED 4.6-50W GU10 827 36D	78 °C
929001218108	Essential LED 4.6-50W GU10 830 36D	85 ℃

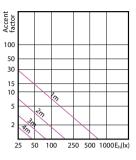




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Accent Diagrams

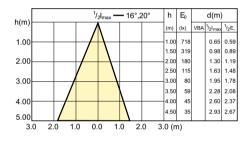




Accent Diagram - Essential LED 4.6-50W GU10 827 36D

Accent Diagram - Essential LED 4.6-50W GU10 830 36D

Beam Diagrams



h ()		¹ / ₂ I _{max} 16°,20°				h	E ₀	d(m)			
h(m)							(m)	(lx)	VBA	1 /2I _{max}	¹ / ₂ E ₀
1.0				\downarrow			1.0	718		0.65	0.59
							1.5	319		0.98	0.89
2.0			/	\rightarrow			2.0	180		1.30	1.19
			/				2.5	115		1.63	1.48
3.0							3.0	80		1.95	1.78
							3.5	59		2.28	2.08
4.0							4.0	45		2.60	2.37
5.0							4.5	35		2.93	2.67
3	.0 2	.0 1	.0 0	.0 1	.0 2	.0 3	.0 (m)			

Beam diagram - Essential LED 4.6-50W GU10 827 36D

Beam diagram - Essential LED 4.6-50W GU10	
830 36D	



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www.lighting.philips.com 2023, November 28 - data subject to change