



Your everyday LEDspot MR16

Essential LEDspot MR16

Essential LEDspots MR16 are compatible with most existing fixtures with a GU5.3 socket and are designed as a retrofit replacement for halogen spots. Essential LEDspots MR16 deliver significant energy savings and minimize initial investment.

Benefits

- Up to 90% energy saving compared with traditional halogen lamps
- · Lower maintenance costs
- · Low initial investment

Features

- · Easy retrofit
- · Lifetime up to 15,000 hours
- · Non-dimmable
- · UV- and IR-free light

Application

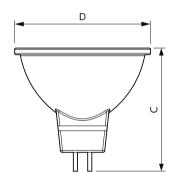
- · Hotels, restaurants, bars, cafés, shops
- Lobbies, corridors, stairwells, washrooms, reception areas

Essential LEDspot MR16

Versions



Dimensional drawing



Product	D	С
ESS LED MR16 3-35W 36D 830 SO 100-240V	50.5 mm	46.5 mm
ESS LED MR16 4.5-50W 36D 830 SO 100-240V	50.5 mm	46.5 mm
ESS LED MR16 4.5-50W 36D 865 SO 100-240V	50.5 mm	46.5 mm

General Information	
Cap-Base	GU5.3
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
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	MR16

Light Technical

		Correlated Color	Color		Luminous
Order Code	Full Product Name	Temperature (Nom)	Code	Luminous Flux	Intensity (Nom)
929001874008	ESS LED MR16 4.5-50W 36D	3000 K	830	400 lm	700 cd
	830 SO 100-240V				
929001874108	ESS LED MR16 4.5-50W 36D	6500 K	865	400 lm	700 cd
	865 SO 100-240V				
929001874208	ESS LED MR16 3-35W 36D	3000 K	830	230 lm	550 cd
	830 SO 100-240V				

Operating and Electrical

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		Power	Wattage
Order Code	Full Product Name	Consumption	Equivalent
929001874008	ESS LED MR16 4.5-50W 36D	4.5 W	50 W
	830 SO 100-240V		
929001874108	ESS LED MR16 4.5-50W 36D	4.5 W	50 W
	865 SO 100-240V		

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
929001874208	ESS LED MR16 3-35W 36D 830	3 W	35 W
	SO 100-240V		

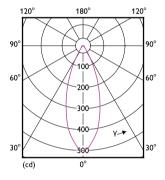
Temperature

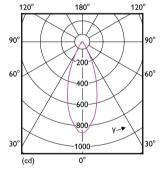
		T-Case Maximum
Order Code	Full Product Name	(Nom)
929001874008	ESS LED MR16 4.5-50W 36D 830 SO	65 ℃
	100-240V	
929001874108	ESS LED MR16 4.5-50W 36D 865 SO	65 ℃
	100-240V	

	T-Case Maximum
Order Code Full Product Name	(Nom)
929001874208 ESS LED MR16 3-35W 36D 830 SO 100-240V	55 ℃

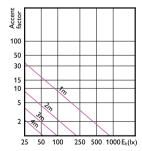
Approval and Application

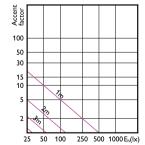
		Energy Consumption
Order Code	Full Product Name	kWh/1000 h
929001874008	ESS LED MR16 4.5-50W 36D 830 SO	4.5 kWh
	100-240V	
929001874108	ESS LED MR16 4.5-50W 36D 865 SO	4.5 kWh
	100-240V	
929001874208	ESS LED MR16 3-35W 36D 830 SO	3 kWh
	100-240V	





Accent Diagrams



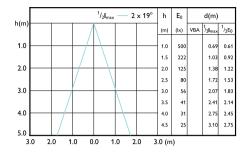


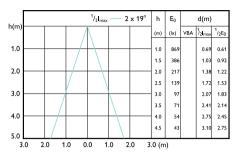
Accent Diagram - ESS LED MR16 4.5-50W 36D 830 SO 100-240V

Accent Diagram - ESS LED MR16 3-35W 36D 830 SO 100-240V

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Beam Diagrams





Beam diagram - ESS LED MR16 3-35W 36D 830 SO 100-240V

Beam diagram - ESS LED MR16 4.5-50W 36D 830 SO 100-240V



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