



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

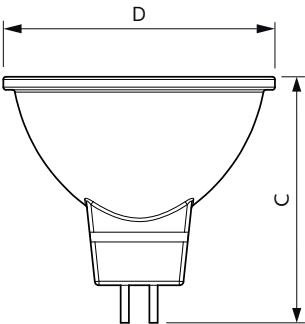
Essential LEDspot MR16

Versions



35W GU5-3 MR16

Dimensional drawing



Product	D	C
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 (Nom)	70 %
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

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

Operating and Electrical

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

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

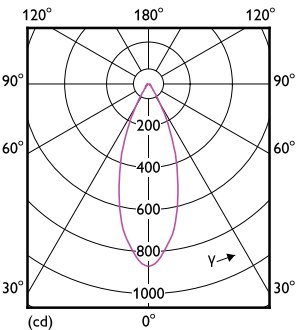
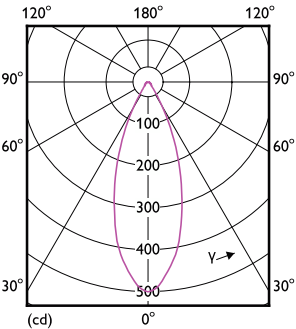
Temperature

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

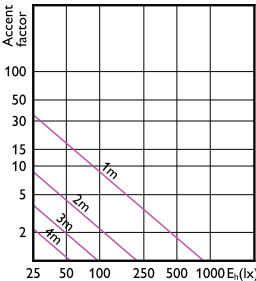
Order Code	Full Product Name	T-Case Maximum (Nom)
929001874208	ESS LED MR16 3-35W 36D 830 SO 100-240V	55 °C

Approval and Application

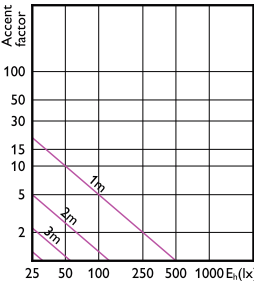
Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001874008	ESS LED MR16 4.5-50W 36D 830 SO 100-240V	4.5 kWh
929001874108	ESS LED MR16 4.5-50W 36D 865 SO 100-240V	4.5 kWh
929001874208	ESS LED MR16 3-35W 36D 830 SO 100-240V	3 kWh



Accent Diagrams



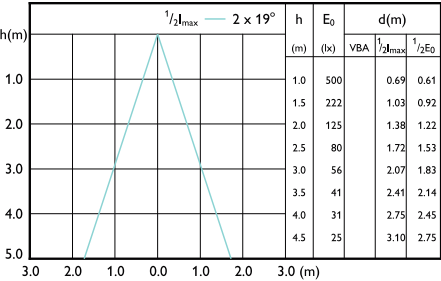
Accent Diagram - ESS LED MR16 4.5-50W 36D 830 SO 100-240V



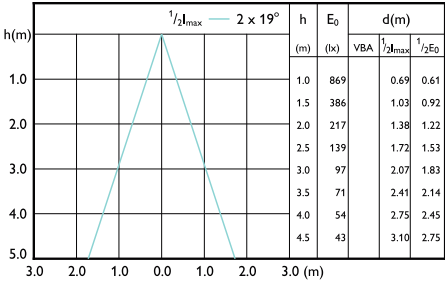
Accent Diagram - ESS LED MR16 3-35W 36D 830 SO 100-240V

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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

