



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

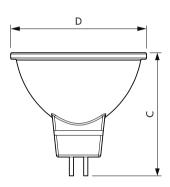
- · Hotels, restaurants, bars, cafés, shops
- Lobbies, corridors, stairwells, washrooms, reception areas

Versions



LEDspot Essential 50W GU5.3 MR16 827 24D ND

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 830 100-240V	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
ESS LED MR16 4.5-50W 36D 865 SO 100-240V	50.5 mm	46.5 mm
Essential LED 5-50W 2700K MR16 24D	50 mm	46 mm
Essential LED 5-50W 6500K MR16 24D	50 mm	46 mm

General Information	
Cap-Base	GU5.3
Switching Cycle	50,000
Nominal lifetime	15,000 hour(s)
Light Technical	
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	MR16

General Information

Order Code	Full Product Name	Rated Lifetime (Hours)
929001240108	Essential LED 5-50W 2700K MR16 24D	15,000 hour(s)
929001240208	Essential LED 5-50W 6500K MR16 24D	15,000 hour(s)
929001874008	ESS LED MR16 4.5-50W 36D 830 SO 100-240V	-
929001874068	ESS LED MR16 4.5-50W 36D 830 100-240V	-
929001874108	ESS LED MR16 4.5-50W 36D 865 SO 100-240V	-
929001874112	ESS LED MR16 4.5-50W 36D 865 SO 100-240V	-
929001874208	ESS LED MR16 3-35W 36D 830 SO 100-240V	-

Light Technical (1/2)

		Beam	Correlated Color		
	Full Product	Angle	Temperature	Color	Luminous
Order Code	Name	(Nom)	(Nom)	Code	Flux
929001240108	Essential LED	24	2700 K	827	400 lm
	5-50W 2700K	degree(s)			
	MR16 24D				
929001240208	Essential LED	24	6500 K	865	435 lm
	5-50W 6500K	degree(s)			
	MR16 24D				
929001874008	ESS LED MR16	36	3000 K	830	400 lm
	4.5-50W 36D 830	degree(s)			
	SO 100-240V				
929001874068	ESS LED MR16	36	3000 K	830	400 lm
	4.5-50W 36D 830	degree(s)			
	100-240V				

Full Product Angle Temperature Color Luminou			Beam	Correlated Color		
929001874108 ESS LED MR16 36 6500 K 865 400 lm 4.5-50W 36D 865 degree(s) 50 100-240V 929001874112 ESS LED MR16 36 6500 K 865 400 lm 4.5-50W 36D 865 degree(s) 50 100-240V 929001874208 ESS LED MR16 36 3000 K 830 230 lm		Full Product	Angle	Temperature	Color	Luminous
4.5-50W 36D 865 degree(s)	Order Code	Name	(Nom)	(Nom)	Code	Flux
SO 100-240V SO 100-240V	929001874108	ESS LED MR16	36	6500 K	865	400 lm
929001874112 ESS LED MR16 36 6500 K 865 400 lm 4.5-50W 36D 865 degree(s) 50 100-240V 830 230 lm		4.5-50W 36D 865	degree(s)			
4.5-50W 36D 865 degree(s) SO 100-240V 929001874208 ESS LED MR16 36 3000 K 830 230 lm		SO 100-240V				
SO 100-240V 929001874208 ESS LED MR16 36 3000 K 830 230 lm	929001874112	ESS LED MR16	36	6500 K	865	400 lm
929001874208 ESS LED MR16 36 3000 K 830 230 lm		4.5-50W 36D 865	degree(s)			
		SO 100-240V				
3-35W 36D 830 degree(s)	929001874208	ESS LED MR16	36	3000 K	830	230 lm
		3-35W 36D 830	degree(s)			
SO 100-240V		SO 100-240V				

Light Technical (2/2)

		Luminous Intensity
Order Code	Full Product Name	(Nom)
929001240108	Essential LED 5-50W 2700K MR16 24D	1,700 cd
929001240208	Essential LED 5-50W 6500K MR16 24D	1,700 cd
929001874008	ESS LED MR16 4.5-50W 36D 830 SO 100-240V	700 cd
929001874068	ESS LED MR16 4.5-50W 36D 830 100-240V	700 cd

		Luminous Intensity
Order Code	Full Product Name	(Nom)
929001874108	ESS LED MR16 4.5-50W 36D 865 SO 100-240V	700 cd
929001874112	ESS LED MR16 4.5-50W 36D 865 SO 100-240V	700 cd
929001874208	ESS LED MR16 3-35W 36D 830 SO 100-240V	550 cd

Operating and Electrical

	Full Product	Input	Line	Power	Wattage
Order Code	Name	Frequency	Frequency	Consumption	Equivalent
929001240108	Essential LED	- Hz	- Hz	5 W	50 W
	5-50W				
	2700K MR16				
	24D				
929001240208	Essential LED	- Hz	- Hz	5 W	50 W
	5-50W				
	6500K MR16				
	24D				
929001874008	ESS LED	50 to 60 Hz	50 to 60 Hz	4.5 W	50 W
	MR16				
	4.5-50W 36D				
	830 SO				
	100-240V				
929001874068	ESS LED	50 to 60 Hz	50 to 60 Hz	4.5 W	50 W
	MR16				
	4.5-50W 36D				

	Full Product	Input	Line	Power	Wattage
Order Code	Name	Frequency	Frequency	Consumption	Equivalent
	830				
	100-240V				
929001874108	ESS LED	50 to 60 Hz	50 to 60 Hz	4.5 W	50 W
	MR16				
	4.5-50W 36D				
	865 SO				
	100-240V				
929001874112	ESS LED	50 to 60 Hz	50 to 60 Hz	4.5 W	50 W
	MR16				
	4.5-50W 36D				
	865 SO				
	100-240V				
929001874208	ESS LED	50 to 60 Hz	50 to 60 Hz	3 W	35 W
	MR16 3-35W				
	36D 830 SO				
	100-240V				

Temperature

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929001240108	Essential LED 5-50W 2700K MR16 24D	76 °C

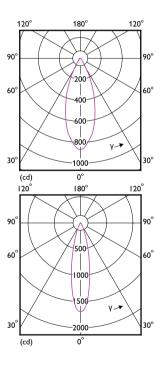
		T-Case Maximum
Order Code	Full Product Name	(Nom)
929001240208	Essential LED 5-50W 6500K MR16 24D	76 ℃

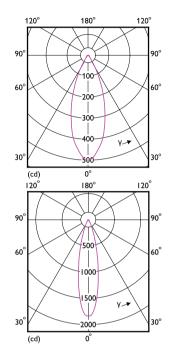
		T-Case Maximum
Order Code	Full Product Name	(Nom)
929001874008	ESS LED MR16 4.5-50W 36D 830 SO 100-240V	65 °C
929001874068	ESS LED MR16 4.5-50W 36D 830 100-240V	65 ℃
929001874108	ESS LED MR16 4.5-50W 36D 865 SO 100-240V	65 °C

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929001874112	ESS LED MR16 4.5-50W 36D 865 SO 100-240V	65 ℃
929001874208	ESS LED MR16 3-35W 36D 830 SO 100-240V	55 ℃

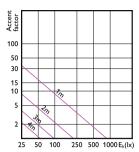
Approval and Application

		Energy Consumption
Order Code	Full Product Name	kWh/1000 h
929001240108	Essential LED 5-50W 2700K MR16 24D	- kWh
929001240208	Essential LED 5-50W 6500K MR16 24D	- kWh
929001874008	ESS LED MR16 4.5-50W 36D 830 SO	4.5 kWh
	100-240V	
929001874068	ESS LED MR16 4.5-50W 36D 830 100-240V	-
929001874108	ESS LED MR16 4.5-50W 36D 865 SO	4.5 kWh
	100-240V	
929001874112	ESS LED MR16 4.5-50W 36D 865 SO	- kWh
	100-240V	
929001874208	ESS LED MR16 3-35W 36D 830 SO	3 kWh
	100-240V	

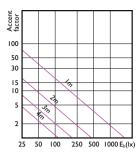




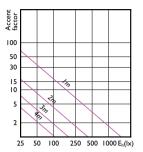
Accent Diagrams



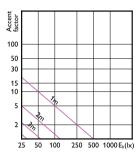
Accent Diagram - ESS LED MR16 4.5-50W 36D 865 SO 100-240V



Accent Diagram - Essential LED 5-50W 6500K MR16 24D

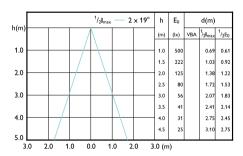


Accent Diagram - Essential LED 5-50W 2700K MR16 24D

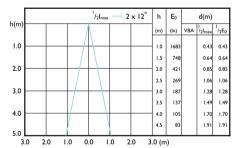


Accent Diagram - ESS LED MR16 3-35W 36D 830 SO 100-240V

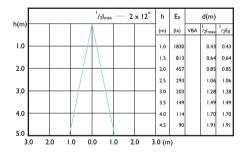
Beam Diagrams



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

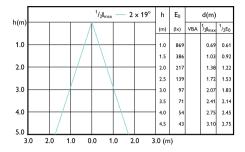


Beam diagram - Essential LED 5-50W 2700K MR16 24D



Beam diagram - Essential LED 5-50W 6500K MR16 24D

Beam Diagrams



Beam diagram - ESS LED MR16 4.5-50W 36D 865 SO 100-240V



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