



# 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 minimise the 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

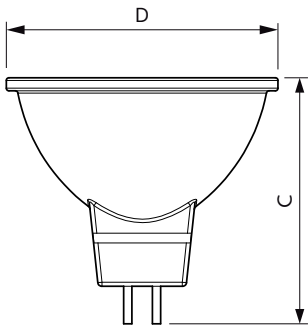
- Hotels, restaurants, bars, cafés, shops
- Lobbies, corridors, stairwells, washrooms, reception areas

# Essential LEDspot MR16

## Versions



## Dimensional drawing



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

### Approval and Application

Energy Efficiency Label (EEL) A+

### Controls and Dimming

Dimmable No

### Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 100-240 V

Starting Time (Nom) 0.5 s

### General Information

Cap-Base GU5.3

Nominal Lifetime (Nom) 15000 h

Switching Cycle 50,000X

### Light Technical

Beam Angle (Nom) 36 °

Colour Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

### Mechanical and Housing

Bulb Shape MR16

### 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
929001874308	ESS LED MR16 3-35W 36D 865 SO 100-240V	3 kWh

# Essential LEDspot MR16

## Operating and Electrical

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

Order Code	Full Product Name	Wattage	Power (Rated)
		Equivalent	(Nom)
929001874208	ESS LED MR16 3-35W 36D 830 SO 100-240V	35 W	3 W
929001874308	ESS LED MR16 3-35W 36D 865 SO 100-240V	35 W	3 W

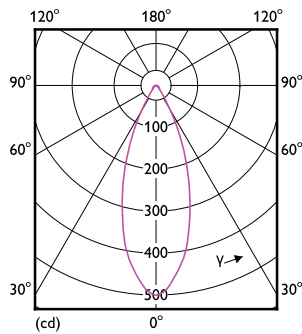
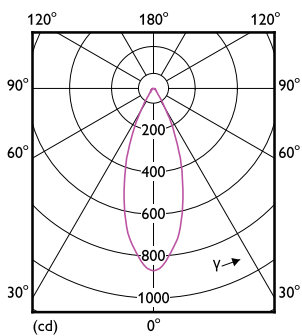
## Light Technical

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

Order Code	Full Product Name	Colour Code	Correlated Colour	Luminous Flux (Nom)	Luminous Intensity (Nom)
			Temperature (Nom)		
929001874208	ESS LED MR16 3-35W 36D 830 SO 100-240V	830	3000 K	230 lm	550 cd
929001874308	ESS LED MR16 3-35W 36D 865 SO 100-240V	865	6500 K	230 lm	550 cd

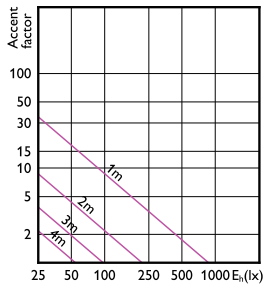
## Temperature

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
929001874208	ESS LED MR16 3-35W 36D 830 SO 100-240V	55 °C
929001874308	ESS LED MR16 3-35W 36D 865 SO 100-240V	55 °C

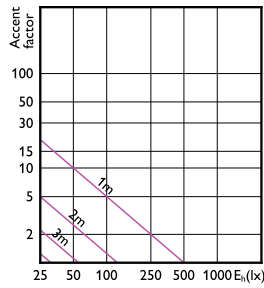


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## Accent Diagrams

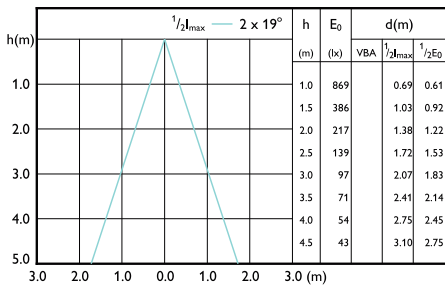


50W GU5-3 MR16 36D 830 3000K

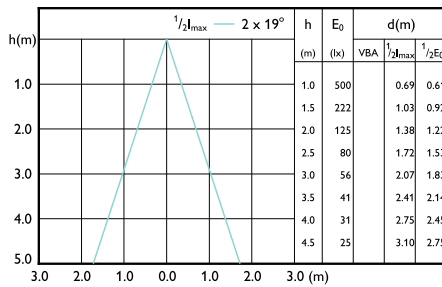


3-35W GU5-3 MR16 36D 865 6500K

## Beam Diagrams



50W GU5-3 MR16 36D 830 3000K



3-35W GU5-3 MR16 36D 865 6500K

