



# 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

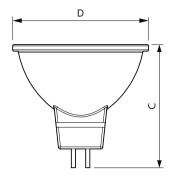
- Easy retrofit
- Lifetime up to 15,000 hours
- Non-dimmable
- UV- and IR-free light

## Application

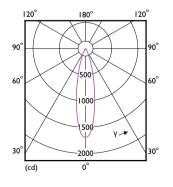
- Hotels, restaurants, bars, cafés, shops
- · Lobbies, corridors, stairwells, washrooms, reception areas

## Essential LEDspot MR16

## Dimensional drawing



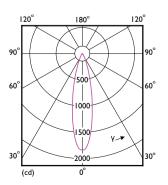
General Information					
Cap-Base	GU5.3				
Rated Lifetime (Hours)	15,000 hour(s)				
Switching Cycle	50,000				
Nominal lifetime	15,000 hour(s)				
Light Technical					
Beam Angle (Nom)	24 degree(s)				
Color rendering index (CRI)	80				
LLMF At End Of Nominal Lifetime	70 %				
(Nom)					
Luminous Intensity (Nom)	1,700 cd				
Operating and Electrical					
Input Frequency	– Hz				
Line Frequency	– Hz				
Power Consumption	5 W				
Starting Time (Nom)	0.5 s				
Wattage Equivalent	50 W				
Temperature					
T-Case Maximum (Nom)	76 °C				
Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Bulb Shape	MR16				



Product	D	с
5W (50W) GU5.3 cap Cool daylight Non-dimmable Spot	50 mm	46 mm
5W (50W) GU5.3 cap Warm white Non-dimmable Spot	50 mm	46 mm

## Light Technical

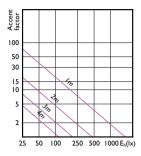
		Correlated Color	Color		
Order Code	Full Product Name	Temperature (Nom)	Code	Luminous Flux	
929001240108	5W (50W) GU5.3 cap Warm white Non-	2700 K	827	400 lm	
	dimmable Spot				
929001240208	5W (50W) GU5.3 cap Cool daylight	6500 K	865	435 lm	
	Non-dimmable Spot				

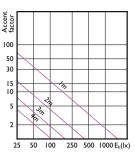


## Product family leaflet, 2024, July 5

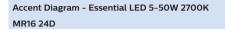
## **Essential LEDspot MR16**

### Accent Diagrams

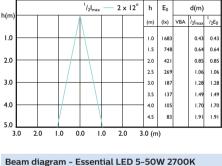




Accent Diagram - Essential LED 5-50W 6500K MR16 24D



#### **Beam Diagrams**



h ()	<sup>1</sup> / <sub>2</sub> I <sub>max</sub> - 2 × 12°					h	E <sub>0</sub>	d(m)			
h(m)							(m)	(lx)	VBA	l /2I <sub>max</sub>	1/2E0
1.0				<u> </u>			1.0	1830		0.43	0.43
							1.5	813		0.64	0.64
2.0				$\vdash$			2.0	457		0.85	0.85
							2.5	293		1.06	1.06
3.0							3.0	203		1.28	1.28
							3.5	149		1.49	1.49
4.0			/				4.0	114		1.70	1.70
							4.5	90		1.91	1.91
5.0											
3.	.02	.0 I	.0 0	.0 I	.0 2	.0 3	l.0 (m	i)			

Beam diagram - Essential LED 5-50W 2700K MR16 24D Beam diagram - Essential LED 5-50W 6500K MR16 24D



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