



MASTER LEDspot ExpertColor LV

MASTER LED ExpertColor 6.5-35W MR16 940 24D

MASTER LEDspot LV ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates such an ambience with superior lighting that has a customised spectrum, high CRI and deep dimming feature. The result? A beautiful lighting experience. What's more, the innovative, trimless lens design will suit almost any interior decor with its clean and neat look. In addition, you can take advantage of the full ExpertColor family, which also includes LEDspot MV lamps.

Product data

General Information		
Cap base	GU5.3 [GU5.3]	
Nominal lifetime	40,000 h	
Switching Cycle	50,000	
Lighting Technology	LED	
EU RoHS compliant	Yes	
Light Technical		
Colour Code	940 [CCT of 4000K]	
Beam angle (nom.)	24 degree(s)	
Luminous Flux	460 lm	
Luminous intensity (nom.)	2,350 cd	
Colour designation	Cool White (CW)	
Correlated Colour Temperature	4000 K	
Luminous efficacy (rated) (nom.)	70.77 lm/W	
Colour consistency	<3	
Colour rendering index (CRI)	97	
LLMF at end of nominal lifetime (nom.) 70 $\%$		

Luminous flux in 90° cone (rated)	460 lm
Operating and Electrical	
Line Frequency	- Hz
Input frequency	- Hz
Power Consumption	6.5 W
Lamp current (nom.)	800 mA
Wattage equivalent	35 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (nom.)	ac electronic 12 V
Temperature	
T-Case maximum (nom.)	90 ℃

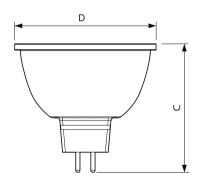
Datasheet, 2023, April 29 data subject to change

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Controls and Dimming		
Dimmable	Yes	
Mechanical and Housing		
Bulb shape	MR16 [2 inch/50 mm]	
Approval and Application		
Suitable for accent lighting	Yes	
Energy consumption kWh/1,000 hours	8 kWh	
EyeComfort	Yes	
Product Data		
Order product name	MAS LED ExpertColor 6.5-35W MR16 940 24D	

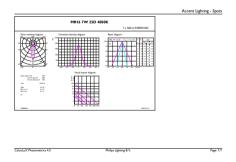
Full product name	MASTER LED ExpertColor 6.5-35W MR16 940	
	24D	
Full EOC	871869673881800	
Order code	73881800	
Material no. (12 NC)	929001342202	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8718696738818	
Numerator – packs per outer box	10	
EAN/UPC - Case	8718696738825	

Dimensional drawing

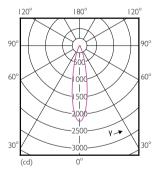


Product	D	С
MAS LED ExpertColor 6.5-35W MR16 940 24D	51 mm	46 mm

Photometric data



Accent Lighting Spots - MAS LED ExpertColor 6.5-35W MR16 940 24D



Light Distribution Diagram - MAS LED ExpertColor 6.5-35W MR16 940 24D

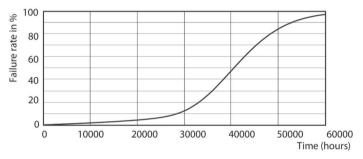
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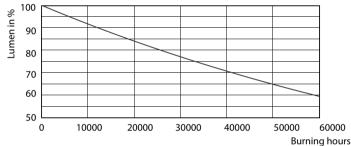
Photometric data



Spectral Power Distribution Colour - MAS LED ExpertColor 6.5-35W MR16 940 24D

Lifetime





Life Expectancy Diagram - MAS LED ExpertColor 6.5-35W MR16 940 24D

Lumen Maintenance Diagram - MAS LED ExpertColor 6.5-35W MR16 940 24D



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