PHILIPS Lighting



MASTER LEDspot ExpertColor LV

MASTER LED ExpertColor 6.5-35W MR16 940 10D

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.)	10 degree(s)	
Luminous Flux	440 lm	
Luminous intensity (nom.)	5,000 cd	
Colour designation	Cool White (CW)	
Correlated Colour Temperature	4000 K	
Luminous efficacy (rated) (nom.)	67.69 lm/W	
Colour consistency	<3	
Colour rendering index (CRI)	97	
LLMF at end of nominal lifetime (nom.) 70 %		

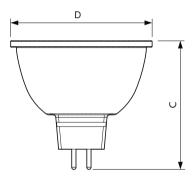
Luminous flux in 90° cone (rated)	440 lm
Operating and Electrical	
Line Frequency	- Hz
Input frequency	- Hz
Power Consumption	6.5 W
Lamp current (nom.)	800 mA
Wattage equivalent	35 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (nom.)	ac electronic 12 V
Temperature	
T-Case maximum (nom.)	90 °C

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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 10D

Full product name	MASTER LED ExpertColor 6.5-35W MR16 940	
	10D	
Full EOC	871869673875700	
Order code	73875700	
Material no. (12 NC)	929001341902	
SAP numerator – quantity per pack	1	
EAN/UPC - Product/Case	8718696738757	
Numerator – packs per outer box	10	
EAN/UPC - Case	8718696738764	

Dimensional drawing

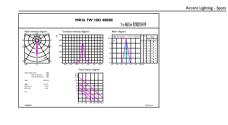


MAS LED ExpertColor 6.5-35W MR16 940 10D	51 mm	46 mm

D

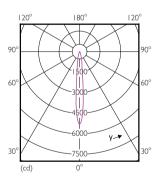
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Photometric data



Accent Lighting Spots - MAS LED ExpertColor 6.5-35W MR16 940 10D

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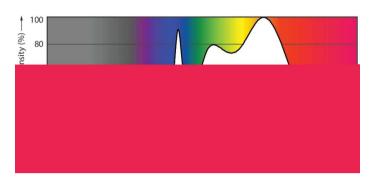


Product

Light Distribution Diagram - MAS LED ExpertColor 6.5-35W MR16 940 10D

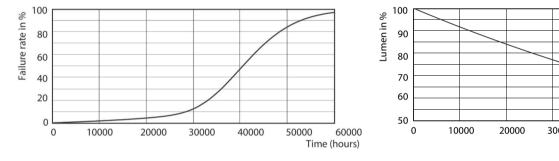
MASTER LEDspot ExpertColor LV

Photometric data



Spectral Power Distribution Colour - MAS LED ExpertColor 6.5-35W MR16 940 10D

Lifetime



Life Expectancy Diagram - MAS LED ExpertColor 6.5-35W MR16 940 10D

30000 40000 50000 60000 **Burning hours**

Lumen Maintenance Diagram - MAS LED ExpertColor 6.5-35W MR16 940 10D



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