



MASTER LEDspot ExpertColor LV



MASTER LED ExpertColor 6.7-35W MR16 940 36D

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
Nominal lifetime	40,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Colour Code	940 [CCT of 4000K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	460 lm
Luminous intensity (nom.)	1,400 cd
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	68.00 lm/W
Colour consistency	<3

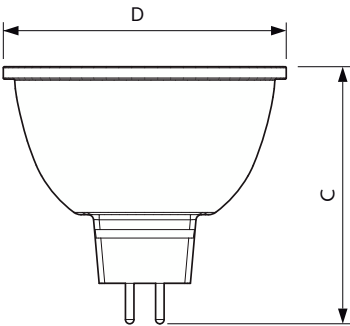
Colour rendering index (CRI)	97
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	460 lm
Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Line Frequency	- Hz
Input frequency	- Hz
Power Consumption	6.7 W
Lamp current (nom.)	650 mA
Wattage equivalent	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

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Temperature	
T-Case maximum (nom.)	92 °C
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb shape	MR16
Approval and Application	
Energy Efficiency Class	G
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	7 kWh
EPREL registration number	624215
EyeComfort	Yes
Application Conditions	
Can it be used in closed luminaires	No

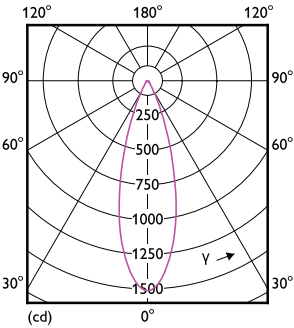
Product Data	
Order product name	MAS LED ExpertColor 6.7-35W MR16 940 36D
Full product name	MASTER LED ExpertColor 6.7-35W MR16 940 36D
Full EOC	871951435863800
Order code	35863800
Material no. (12 NC)	929003079602
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514358638
Numerator – packs per outer box	10
EAN/UPC – Case	8719514358645

Dimensional drawing

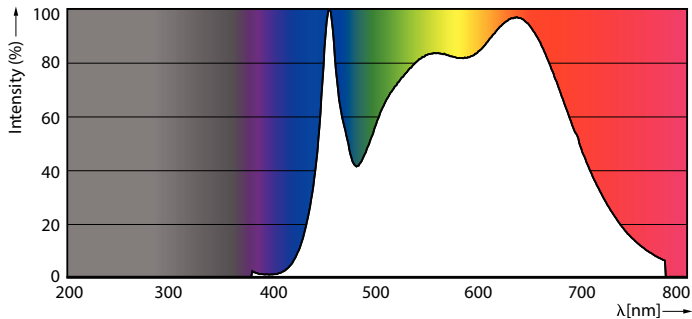


Product	D	C
MAS LED ExpertColor 6.7-35W MR16 940 36D	50.5 mm	46 mm

Photometric data



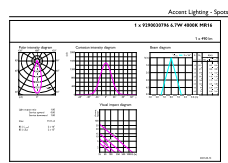
Light Distribution Diagram – MAS LED ExpertColor 6.7-35W MR16 940 36D



Spectral Power Distribution Colour – MAS LED ExpertColor 6.7-35W MR16 940 36D

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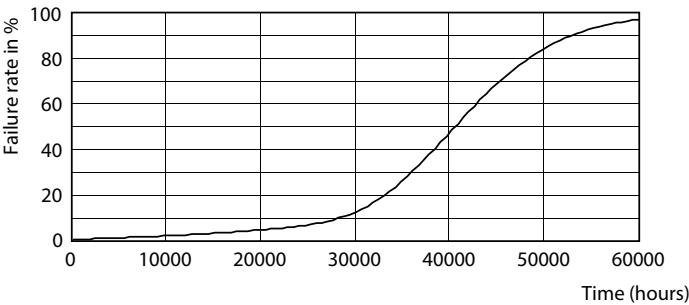
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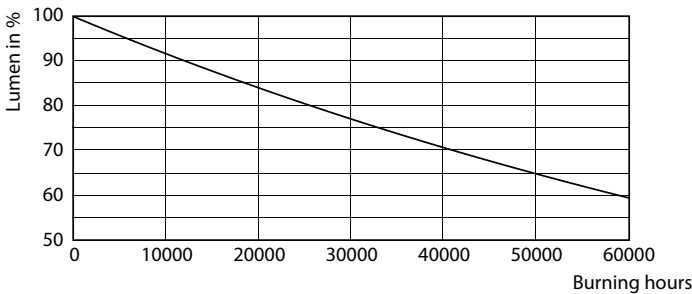
Technical Information 1.1 Philips Lighting B.V. Page 10

Accent Lighting Spots - MAS LED ExpertColor 6.7-35W MR16 940 36D

Lifetime



Life Expectancy Diagram - MAS LED ExpertColor 6.7-35W MR16 940 36D



Lumen Maintenance Diagram - MAS LED ExpertColor 6.7-35W MR16 940 36D

