



MASTER LEDspot ExpertColor LV



MAS LED ExpertColor 7.5-43W 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 customized 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 and LEDspot Par lamps.

Product data

General Information	
Lighting Technology	LED
Flux measurement reference	Narrow Cone
Switching Cycle	50,000
Nominal lifetime	40,000 hour(s)
Cap-Base	GU5.3 [GU5.3]
Light Technical	
Color Code	940 [CCT of 4000K]
Beam Angle (Nom)	24 degree(s)
Luminous Flux	520 lumen
Luminous Intensity (Nom)	2,800 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	69.00 lm/W
Color Consistency	<3
Color rendering index (CRI)	92
LLMF At End Of Nominal Lifetime (Nom)	70 %

Luminous Flux in 90° Cone (Rated)	520 lumen
Operating and Electrical	
Line Frequency	- Hz
Input Frequency	- Hz
Power Consumption	7.5 W
Lamp Current (Nom)	720 mA
Wattage Equivalent	43 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)	93 °C

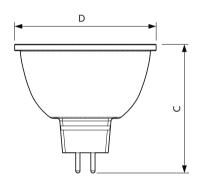
Datasheet, 2023, July 3 data subject to change

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Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Shape	MR16 [2inch/50mm]
Approval and Application	
Energy Efficiency Class	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	624212
CE mark	Yes
EU RoHS compliant	Yes
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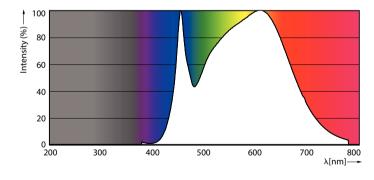
Product Data		
Full product code	871951435869000	
Order product name	MAS LED ExpertColor 7.5-43W MR16 940 24D	
Order code	929003079902	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	10	
Material number (12NC)	929003079902	
Full product name	MAS LED ExpertColor 7.5-43W MR16 940 24E	
EAN/UPC - Case	8719514358706	

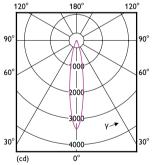
Dimensional drawing



Product	D	С
MAS LED ExpertColor 7.5-43W MR16 940 24D	50.5 mm	46 mm

Photometric data



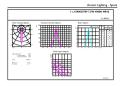


Spectral Power Distribution Colour - MAS LED ExpertColor 7.5-43W MR16 940 24D

Light Distribution Diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D

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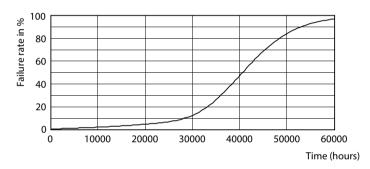
Photometric data

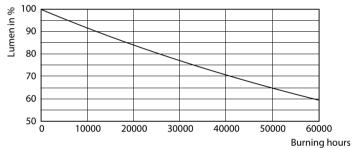


Calculus Photometrics 4.5 Philips Lighting Scv. Fagor 1H

Accent Lighting Spots - MAS LED ExpertColor 7.5-43W MR16 940 24D

Lifetime





Life Expectancy Diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D

Lumen Maintenance Diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D



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