PHILIPS Lighting



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MASTER LEDspot ExpertColor LV

MAS LED ExpertColor 7.5-43W MR16 927 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	927 [CCT of 2700K]
Beam Angle (Nom)	24 degree(s)
Luminous Flux	485 lumen
Luminous Intensity (Nom)	2,400 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	64.00 lm/W
Color Consistency	<3
Color rendering index (CRI)	92
LLMF At End Of Nominal Lifetime (Nom)	70 %

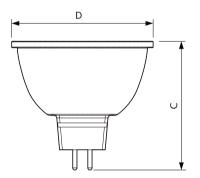
Luminous Flux in 90° Cone (Rated)	485 lumen
Operating and Electrical	
Line Frequency	- Hz
Input Frequency	- Hz
Power Consumption	7.5 W
Lamp Current (Nom)	720 mA
Wattage Equivalent	43 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	ac electronic 12 V
Temperature	
T-Case Maximum (Nom)	93 °C

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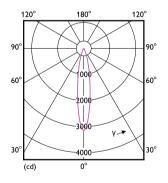
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Shape	MR16 [2inch/50mm]
Approval and Application	
Energy Efficiency Class	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	624208
CE mark	Yes
EU RoHS compliant	Yes

Product Data	
Full product code	871951435865200
Order product name	MAS LED ExpertColor 7.5-43W MR16 927 24D
Order code	929003079702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929003079702
Full product name	MAS LED ExpertColor 7.5-43W MR16 927 24D
EAN/UPC - Case	8719514358669

Dimensional drawing

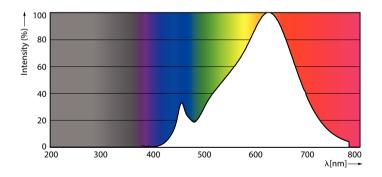


Photometric data



Light Distribution Diagram - MAS LED ExpertColor 7.5-43W MR16 927 24D

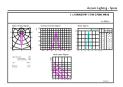
Product	D	с
MAS LED ExpertColor 7.5-43W MR16 927 24D	50.5 mm	46 mm



Spectral Power Distribution Colour - MAS LED ExpertColor 7.5-43W MR16 927 24D

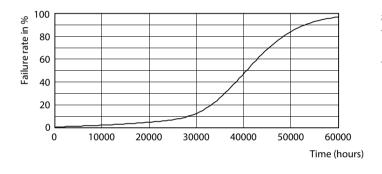
MASTER LEDspot ExpertColor LV

Photometric data



Accent Lighting Spots - MAS LED ExpertColor 7.5-43W MR16 927 24D

Lifetime



Life Expectancy Diagram - MAS LED ExpertColor 7.5-43W MR16 927 24D

Lumen in % 90 80 70 60 50 0 10000 20000 30000 40000 50000 60000 **Burning hours**

Lumen Maintenance Diagram - MAS LED ExpertColor 7.5-43W MR16 927 24D



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