



# MASTER LEDspot ExpertColor LV

## MASTER 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 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		Luminous flux in 90° cone (rated)	
Cap base	GU5.3	485 lm	
Nominal lifetime	40,000 h	Photobiological safety according to EN 62471 RG1	
Switching Cycle	50,000		
Lighting Technology	LED	Operating and Electrical	
Flux measurement reference	Narrow Cone	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
Light Technical			
Colour Code	927 [CCT of 2700K]		
Beam angle (nom.)	24 degree(s)		
Luminous Flux	485 lm		
Luminous intensity (nom.)	2,400 cd		
Colour designation	Warm White (WW)		
Correlated Colour Temperature (Nom)	2700 K		
Luminous efficacy (rated) (nom.)	64.00 lm/W		
Colour consistency	<3		
Colour rendering index (CRI)	92		
LLMF at end of nominal lifetime (nom.)	70 %		

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## Controls and Dimming

Dimmable	Only with specific dimmers
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## Mechanical and Housing

Bulb shape	MR16
Net Weight (Piece)	0.052 kg

## Approval and Application

Energy Efficiency Class	G
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	8 kWh
EPREL Registration Number	624208
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes

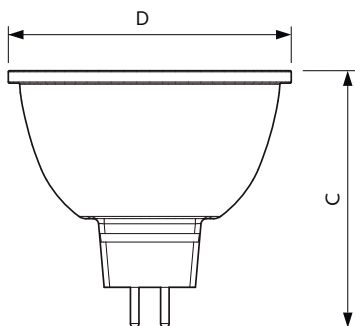
## Application Conditions

Can it be used in closed luminaires	No
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## Product Data

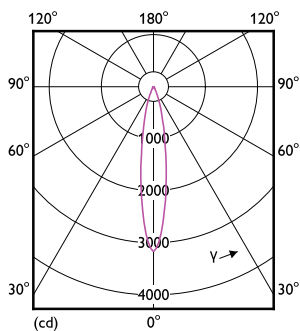
Order product name	MAS LED ExpertColor 7.5-43W MR16 927 24D
Full product name	MASTER LED ExpertColor 7.5-43W MR16 927 24D
Full EOC	871951435865200
Order code	35865200
Material no. (12 NC)	929003079702
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514358652
Numerator – packs per outer box	10
EAN/UPC – Case	8719514358669

## Dimensional drawing

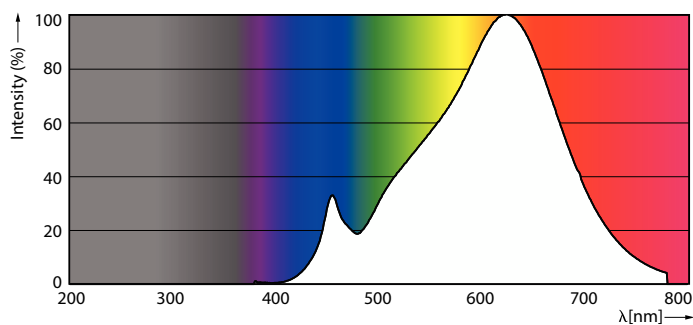


Product	D	C
MAS LED ExpertColor 7.5-43W MR16 927 24D	50.5 mm	46 mm

## Photometric data



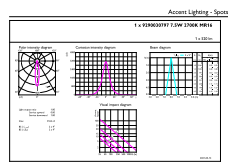
Light Distribution Diagram – MAS LED ExpertColor 7.5-43W MR16 927 24D



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

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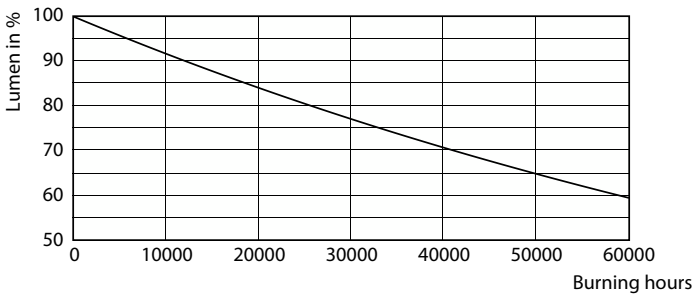
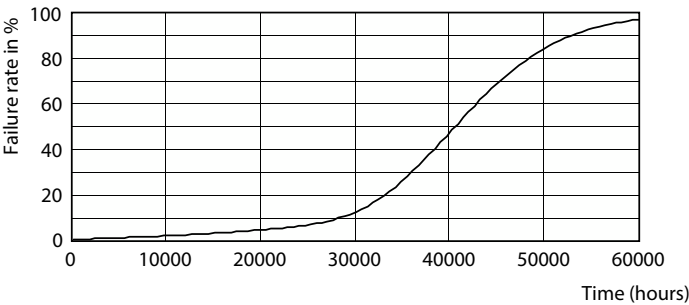
## Photometric data



Technical Information 1.1 Philips Lighting B.V. Page 10

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

## Lifetime



### Life Expectancy Diagram

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

