PHILIPS Lighting



Create a warm, welcoming ambience with superior quality lighting

MASTER LEDspot ExpertColor LV

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.

Benefits

- Create warm and comfortable ambience
- Interior decor, furnishings and fabrics look great
- $\boldsymbol{\cdot}$ Hassle-free retrofit solution for greater energy efficiency and sustainability

Features

- Customized color spectrum replicates halogen light color
- Trimless design with beautiful V-groove lens
- Best-in-class color realization CRI97, R9>85
- Deep and smooth dimming with broad transformer compatibility
- Retrofit with low-voltage MR16 halogen lamps with GU5.3 socket

Application

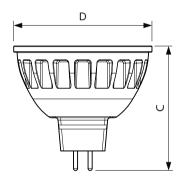
- Hospitality: hotel guest room, corridors, lobby, reception area, restaurants, bars, cafes
- $\boldsymbol{\cdot}$ Home: living room, bedrooms, hall way
- Retail: exhibitions, display cabinets, shops, dressing rooms

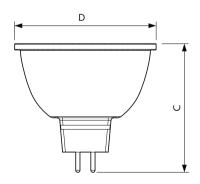
Versions



LEDspots GMGC 1 MR16 GU5,3 3

Dimensional drawing





Product	D	с
MAS LED MR16 ExpertColor 6.7-50W 927 10D	50.5 mm	46 mm
MAS LED MR16 ExpertColor 6.7-50W 927 24D	50.5 mm	46 mm
MAS LED MR16 ExpertColor 6.7-50W 927 36D	50.5 mm	46 mm
MAS LED MR16 ExpertColor 6.7-50W 930 10D	50.5 mm	46 mm
MAS LED MR16 ExpertColor 6.7-50W 930 24D	50.5 mm	46 mm
MAS LED MR16 ExpertColor 6.7-50W 930 36D	50.5 mm	46 mm
MAS LED MR16 ExpertColor 6.7-50W 940 36D	50.5 mm	46 mm

Product	D	с
MAS LED MR16 ExpertColor 6.7-50W 927 60D	50.5 mm	46 mm
MAS LED MR16 ExpertColor 6.7-50W 930 60D	50.5 mm	46 mm

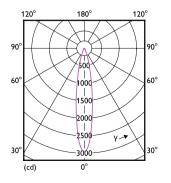
General Information	
Cap-Base	GU5.3
Switching Cycle	50,000
Nominal lifetime	40,000 hour(s)
Light Technical	
Color rendering index (CRI)	97
LLMF At End Of Nominal Lifetime 70 %	
(Nom)	
Operating and Electrical	
Input Frequency	– Hz
Line Frequency	– Hz
Power Consumption	6.7 W
Starting Time (Nom)	0.5 s
Wattage Equivalent	50 W
Temperature	
T-Case Maximum (Nom)	92 °C
Controls and Dimming	
Dimmable	Only with specific
	dimmers
Mechanical and Housing	
Bulb Shape	MR16

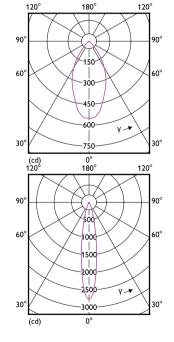
Light Technical (1/2)

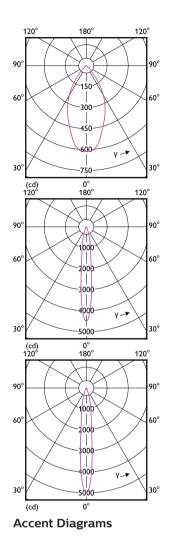
			Correlated Color		
		Beam Angle	Temperature	Color	
Order Code	Full Product Name	(Nom)	(Nom)	Code	Luminous Flux
929003078508	MAS LED MR16 ExpertColor	60 degree(s)	2700 K	927	450 lm
	6.7-50W 927 60D				
929003078608	MAS LED MR16 ExpertColor	60 degree(s)	3000 K	930	480 lm
	6.7-50W 930 60D				
929003077008	MAS LED MR16 ExpertColor	24 degree(s)	2700 K	927	450 lm
	6.7-50W 927 24D				
929003077108	MAS LED MR16 ExpertColor	24 degree(s)	3000 K	930	480 lm
	6.7-50W 930 24D				
929003077308	MAS LED MR16 ExpertColor	36 degree(s)	2700 K	927	450 lm
	6.7-50W 927 36D				
929003077408	MAS LED MR16 ExpertColor	36 degree(s)	3000 K	930	480 lm
	6.7-50W 930 36D				
929003077508	MAS LED MR16 ExpertColor	36 degree(s)	4000 K	940	480 lm
	6.7-50W 940 36D				
929003076708	MAS LED MR16 ExpertColor	10 degree(s)	2700 K	927	450 lm
	6.7-50W 927 10D				
929003076808	MAS LED MR16 ExpertColor	10 degree(s)	3000 K	930	480 lm
	6.7-50W 930 10D				

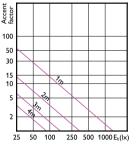
Light Technical (2/2)

		Luminous Intensity
Order Code	Full Product Name	(Nom)
929003078508	MAS LED MR16 ExpertColor 6.7-50W 927 60D	410 cd
929003078608	MAS LED MR16 ExpertColor 6.7-50W 930 60D	440 cd
929003077008	MAS LED MR16 ExpertColor 6.7-50W 927 24D	2,200 cd
929003077108	MAS LED MR16 ExpertColor 6.7-50W 930 24D	2,400 cd
929003077308	MAS LED MR16 ExpertColor 6.7-50W 927 36D	1,350 cd
929003077408	MAS LED MR16 ExpertColor 6.7-50W 930 36D	1,450 cd
929003077508	MAS LED MR16 ExpertColor 6.7-50W 940 36D	1,450 cd
929003076708	MAS LED MR16 ExpertColor 6.7-50W 927 10D	4,500 cd
929003076808	MAS LED MR16 ExpertColor 6.7-50W 930 10D	5,000 cd

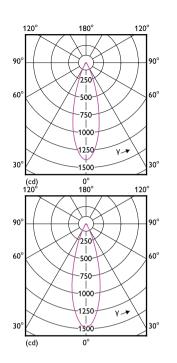


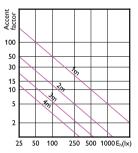




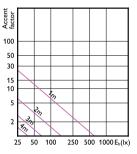


Accent Diagram - MAS LED MR16 ExpertColor 6.7-50W 927 36D



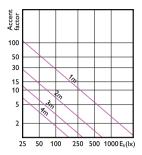


Accent Diagram - MAS LED MR16 ExpertColor 6.7-50W 930 10D



Accent Diagram - MAS LED MR16 ExpertColor 6.7-50W 930 60D

Accent Diagrams



Accent factor 100 50 30 15 10 5 5 25 50 100

Accent factor

100

50

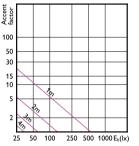
30

15 10

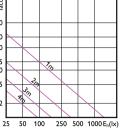
5

25 50 100

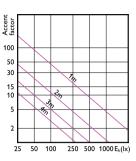
Accent Diagram - MAS LED MR16 ExpertColor 6.7-50W 927 24D



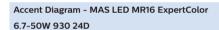
Accent Diagram - MAS LED MR16 ExpertColor 6.7-50W 927 60D



Accent Diagram - MAS LED MR16 ExpertColor 6.7-50W 930 36D

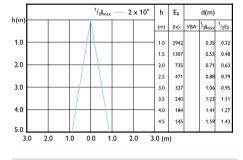


Accent Diagram - MAS LED MR16 ExpertColor 6.7-50W 927 10D

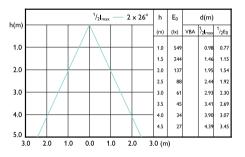


250 500 1000 E_h(lx)

Beam Diagrams



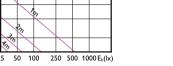
Beam diagram - MAS LED MR16 ExpertColor 6.7-50W 930 24D



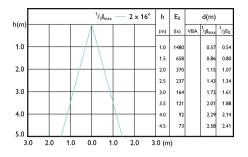


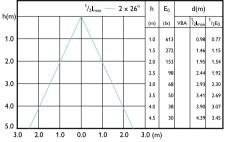
h ()	¹ / ₂ I _{max} — 2 x 10°		E ₀	d(m)		
h(m)—	A A A A A A A A A A A A A A A A A A A	(m)	(lx)	VBA	1/ _{2Imax}	$^{1}/_{2}E_{0}$
1.0		1.0	2758		0.35	0.32
		1.5	1226		0.53	0.48
2.0		2.0	689		0.71	0.63
		2.5	441		0.88	0.79
3.0		3.0	306		1.06	0.95
		3.5	225		1.23	1.11
4.0		4.0	172		1.41	1.27
5.0		4.5	136		1.59	1.43
3.0	2.0 1.0 0.0 1.0 2.0	3.0 (m	ı)			

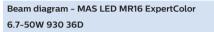
Beam diagram - MAS LED MR16 ExpertColor 6.7-50W 927 24D



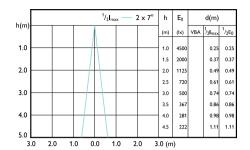
Beam Diagrams



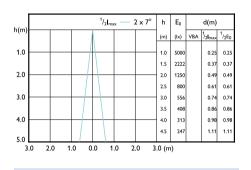




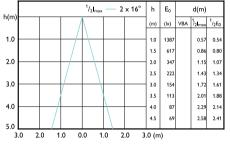




Beam diagram - MAS LED MR16 ExpertColor 6.7-50W 927 10D



Beam diagram - MAS LED MR16 ExpertColor 6.7-50W 930 10D



Beam diagram - MAS LED MR16 ExpertColor 6.7-50W 927 36D



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