



The ideal solution for spot-lighting

MASTER VALUE LEDspot LV

Philips MASTER VALUE MR16 is the series of Low Voltage (12 VAC) Halogen MR16 replacements. Not only does it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12 V Halogen electronic transformers, it also delivers beam intensity which is equivalent to the 50 W Philips Halogen MR16 lamps. The form-factor of Philips MASTER Value LED MR16 guarantees a 100% form on the back-side of the lamp (exact fit with Halogen lamps.)

Benefits

- Up to 80% energy saving compared with halogen lamp
- Broad compatibility with transformers
- Retrofittable with low-voltage MR16 halogen lamps with GU5.3 socket

Features

- Dimmable range
- Patented intelligent driver
- Air movement mechanism (active fan cooling) with very low sound levels
- Lifetime of 25,000 hours
- No UV and Cool Beam (no IR), making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.)

Application

- Ideal for accent lighting in hotels, hospitals, shops and museums (e.g. floors, elevators, displays)

Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

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Versions

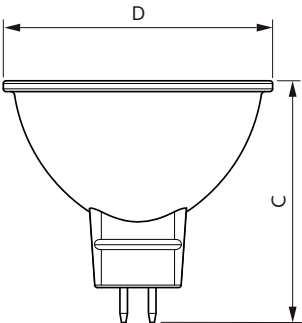
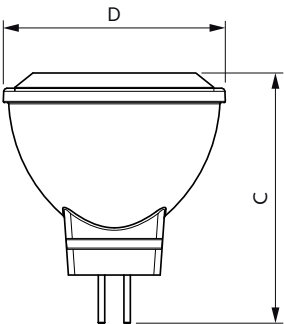
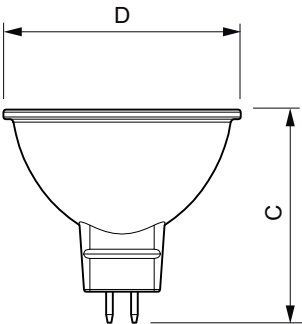


LEDspots MAS SLR 2 MR11 GU4



LEDspot MR16 GU5.3

Dimensional drawing



Product	D	C
MAS LED SPOT VLE D 7.5-50W MR16 927 36D	50.5 mm	45.5 mm
MAS LED SPOT VLE D 7.5-50W MR16 930 36D	50.5 mm	45.5 mm
MAS LED SPOT VLE D 7.5-50W MR16 940 36D	50.5 mm	45.5 mm
MAS LED spot VLE D 5.8-35W MR16 927 36D	50.5 mm	45.5 mm
MAS LED spot VLE D 5.8-35W MR16 930 36D	50.5 mm	45.5 mm
MAS LED spot VLE D 5.8-35W MR16 940 36D	50.5 mm	45.5 mm
MAS LEDspotLV DimTone 5.8-35W MR16 36D	50.5 mm	45.5 mm

Product	D	C
MAS LEDspotLV 3.5-20W 827 MR11 24D	35.1 mm	39.5 mm

Product	D	C
MAS LEDspotLV DimTone 7.5-50W MR16 36D	50.5 mm	45.5 mm

MASTER VALUE LEDspot LV

General Information	
Switching Cycle	50,000
Light Technical	
LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Input frequency	- Hz
Line Frequency	- Hz
Starting time (nom.)	0.5 s

General Information

Order Code	Full Product Name	Cap base	Nominal lifetime	Order Code	Full Product Name	Cap base	Nominal lifetime
30718600	MASTER LED spot VLE D 5.8-35W MR16 927 36D	GU5.3	25,000 h	30734600	MASTER LED SPOT VLE D 7.5-50W MR16 930 36D	GU5.3	25,000 h
30720900	MASTER LED spot VLE D 5.8-35W MR16 930 36D	GU5.3	25,000 h	30736000	MASTER LED SPOT VLE D 7.5-50W MR16 940 36D	GU5.3	25,000 h
30722300	MASTER LED spot VLE D 5.8-35W MR16 940 36D	GU5.3	25,000 h	35990100	MASTER LEDspotLV 3.5-20W 827 MR11 24D	GU4	40,000 h
30730800	MASTER LEDspotLV DimTone 5.8-35W MR16 36D	GU5.3	25,000 h	30744500	MASTER LEDspotLV DimTone 7.5-50W MR16 36D	GU5.3	25,000 h
30732200	MASTER LED SPOT VLE D 7.5-50W MR16 927 36D	GU5.3	25,000 h				

Light Technical

Order Code	Full Product Name	Beam angle (nom.)	Correlated Colour		Colour rendering index		Luminous intensity	
			Temperature		(CRI)	Colour Code	Luminous Flux (nom.)	
30718600	MASTER LED spot VLE D 5.8-35W MR16 927 36D	36 degree(s)	2700 K		90	927	450 lm	1,300 cd
30720900	MASTER LED spot VLE D 5.8-35W MR16 930 36D	36 degree(s)	3000 K		90	930	460 lm	1,300 cd
30722300	MASTER LED spot VLE D 5.8-35W MR16 940 36D	36 degree(s)	4000 K		90	940	490 lm	1,200 cd
30730800	MASTER LEDspotLV DimTone 5.8-35W MR16 36D	36 degree(s)	2200 K		90	922-927	345 lm	800 cd
30732200	MASTER LED SPOT VLE D 7.5-50W MR16 927 36D	36 degree(s)	2700 K		90	927	621 lm	1,600 cd
30734600	MASTER LED SPOT VLE D 7.5-50W MR16 930 36D	36 degree(s)	3000 K		90	930	630 lm	1,600 cd
30736000	MASTER LED SPOT VLE D 7.5-50W MR16 940 36D	36 degree(s)	4000 K		90	940	660 lm	1,500 cd
35990100	MASTER LEDspotLV 3.5-20W 827 MR11 24D	24 degree(s)	2700 K		80	827	200 lm	1,000 cd
30744500	MASTER LEDspotLV DimTone 7.5-50W MR16 36D	36 degree(s)	2200 K		90	922-927	621 lm	1,100 cd

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Wattage equivalent	Order Code	Full Product Name	Power Consumption	Wattage equivalent
30718600	MASTER LED spot VLE D 5.8-35W MR16 927 36D	5.8 W	35 W	30734600	MASTER LED SPOT VLE D 7.5-50W MR16 930 36D	7.5 W	50 W
30720900	MASTER LED spot VLE D 5.8-35W MR16 930 36D	5.8 W	35 W	30736000	MASTER LED SPOT VLE D 7.5-50W MR16 940 36D	7.5 W	50 W
30722300	MASTER LED spot VLE D 5.8-35W MR16 940 36D	5.8 W	35 W	35990100	MASTER LEDspotLV 3.5-20W 827 MR11 24D	3.5 W	20 W
30730800	MASTER LEDspotLV DimTone 5.8-35W MR16 36D	5.8 W	35 W	30744500	MASTER LEDspotLV DimTone 7.5-50W MR16 36D	7.5 W	50 W
30732200	MASTER LED SPOT VLE D 7.5-50W MR16 927 36D	7.5 W	50 W				

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Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
30718600	MASTER LED spot VLE D 5.8-35W MR16 927 36D	85 °C
30720900	MASTER LED spot VLE D 5.8-35W MR16 930 36D	85 °C
30722300	MASTER LED spot VLE D 5.8-35W MR16 940 36D	85 °C
30730800	MASTER LEDspotLV DimTone 5.8-35W MR16 36D	88 °C
30732200	MASTER LED SPOT VLE D 7.5-50W MR16 927 36D	95 °C

Order Code	Full Product Name	T-Case maximum (nom.)
30734600	MASTER LED SPOT VLE D 7.5-50W MR16 930 36D	95 °C
30736000	MASTER LED SPOT VLE D 7.5-50W MR16 940 36D	95 °C
35990100	MASTER LEDspotLV 3.5-20W 827 MR11 24D	85 °C
30744500	MASTER LEDspotLV DimTone 7.5-50W MR16 36D	95 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
30718600	MASTER LED spot VLE D 5.8-35W MR16 927 36D	Only with specific dimmers
30720900	MASTER LED spot VLE D 5.8-35W MR16 930 36D	Only with specific dimmers
30722300	MASTER LED spot VLE D 5.8-35W MR16 940 36D	Only with specific dimmers
30730800	MASTER LEDspotLV DimTone 5.8-35W MR16 36D	Only with specific dimmers
30732200	MASTER LED SPOT VLE D 7.5-50W MR16 927 36D	Only with specific dimmers

Order Code	Full Product Name	Dimmable
30734600	MASTER LED SPOT VLE D 7.5-50W MR16 930 36D	Only with specific dimmers
30736000	MASTER LED SPOT VLE D 7.5-50W MR16 940 36D	Only with specific dimmers
35990100	MASTER LEDspotLV 3.5-20W 827 MR11 24D	No
30744500	MASTER LEDspotLV DimTone 7.5-50W MR16 36D	Only with specific dimmers

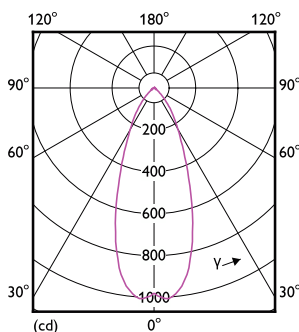
Mechanical and Housing

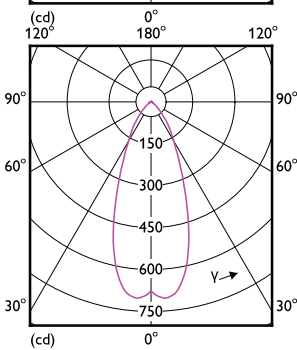
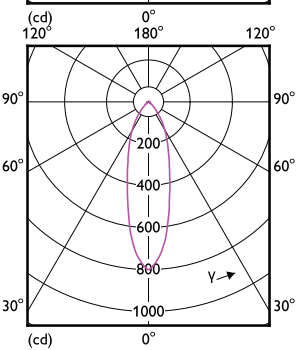
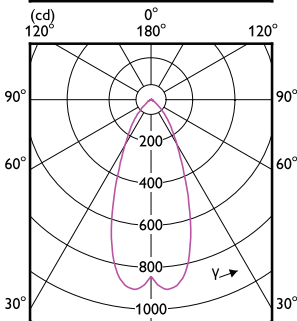
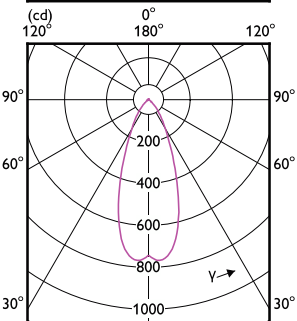
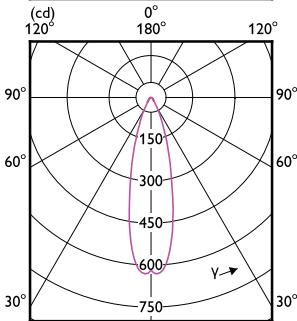
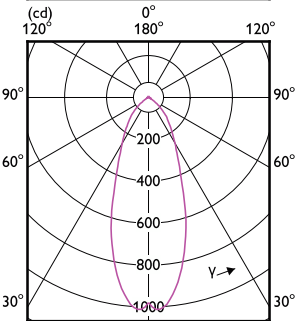
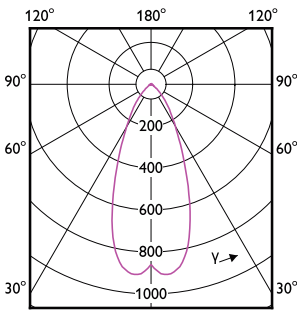
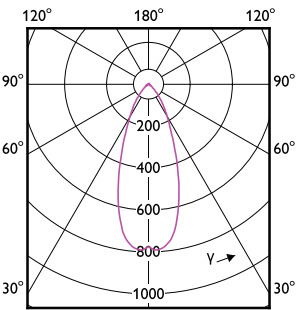
Order Code	Full Product Name	Bulb shape
30718600	MASTER LED spot VLE D 5.8-35W MR16 927 36D	MR16
30720900	MASTER LED spot VLE D 5.8-35W MR16 930 36D	MR16
30722300	MASTER LED spot VLE D 5.8-35W MR16 940 36D	MR16
30730800	MASTER LEDspotLV DimTone 5.8-35W MR16 36D	MR16
30732200	MASTER LED SPOT VLE D 7.5-50W MR16 927 36D	MR16

Order Code	Full Product Name	Bulb shape
30734600	MASTER LED SPOT VLE D 7.5-50W MR16 930 36D	MR16
30736000	MASTER LED SPOT VLE D 7.5-50W MR16 940 36D	MR16
35990100	MASTER LEDspotLV 3.5-20W 827 MR11 24D	MR11
30744500	MASTER LEDspotLV DimTone 7.5-50W MR16 36D	MR16

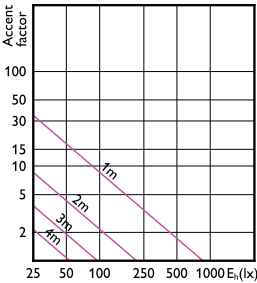
Approval and Application

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
30718600	MASTER LED spot VLE D 5.8-35W MR16 927 36D	6 kWh
30720900	MASTER LED spot VLE D 5.8-35W MR16 930 36D	6 kWh
30722300	MASTER LED spot VLE D 5.8-35W MR16 940 36D	6 kWh
30730800	MASTER LEDspotLV DimTone 5.8-35W MR16 36D	6 kWh
30732200	MASTER LED SPOT VLE D 7.5-50W MR16 927 36D	8 kWh
30734600	MASTER LED SPOT VLE D 7.5-50W MR16 930 36D	8 kWh
30736000	MASTER LED SPOT VLE D 7.5-50W MR16 940 36D	8 kWh
35990100	MASTER LEDspotLV 3.5-20W 827 MR11 24D	4 kWh
30744500	MASTER LEDspotLV DimTone 7.5-50W MR16 36D	8 kWh

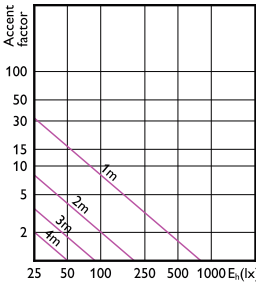




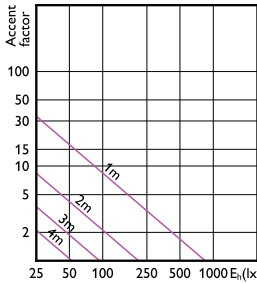
Accent Diagrams



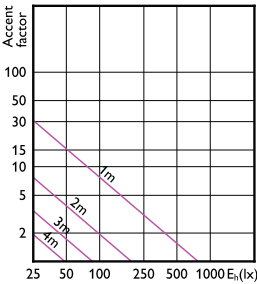
Accent Diagram - MAS LED SPOT VLE D
7.5-50W MR16 930 36D



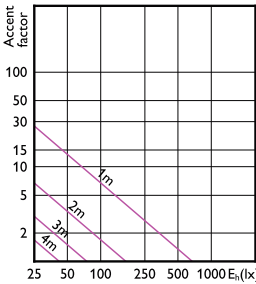
Accent Diagram - MAS LEDspotLV DimTone
5.8-35W MR16 36D



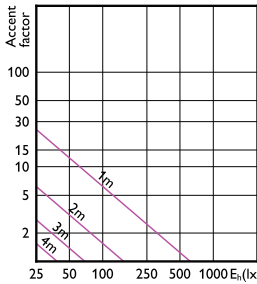
Accent Diagram - MAS LED SPOT VLE D
7.5-50W MR16 940 36D



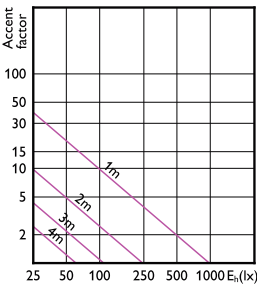
Accent Diagram - MAS LED spot VLE D 5.8-35W
MR16 940 36D



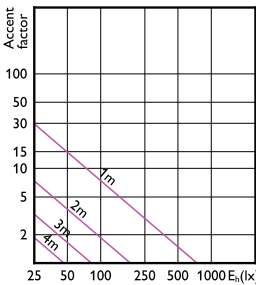
Accent Diagram - MAS LED spot VLE D 5.8-35W
MR16 927 36D



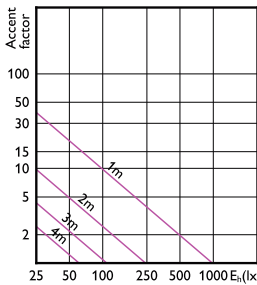
Accent Diagram - MAS LEDspotLV 3.5-20W 827
MR11 24D



Accent Diagram - MAS LEDspotLV DimTone
7.5-50W MR16 36D



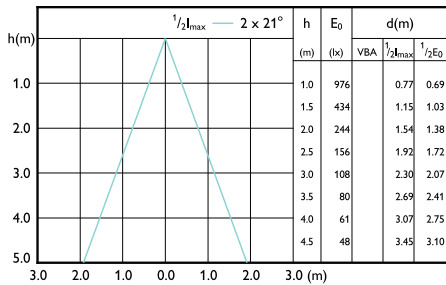
Accent Diagram - MAS LED spot VLE D 5.8-35W
MR16 930 36D



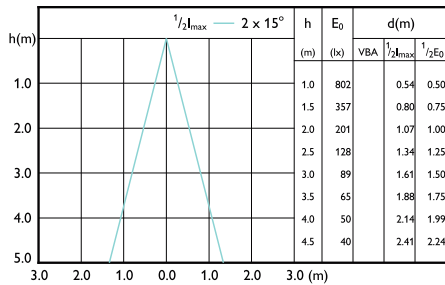
Accent Diagram - MAS LED SPOT VLE D
7.5-50W MR16 927 36D

MASTER VALUE LEDspot LV

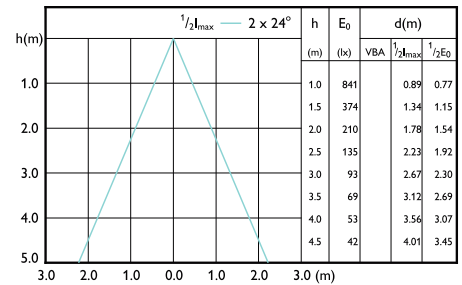
Beam Diagrams



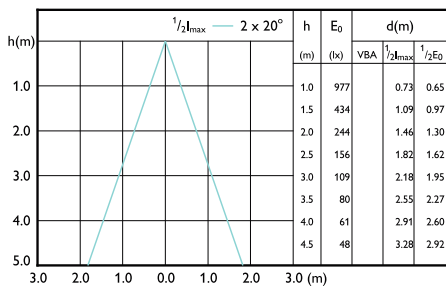
Beam diagram - MAS LED SPOT VLE D 7.5-50W MR16 927 36D



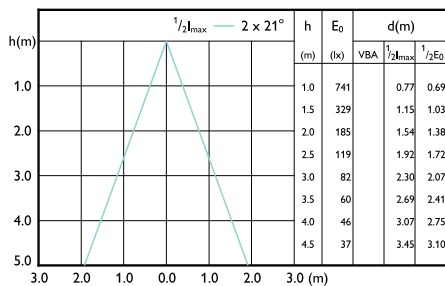
Beam diagram - MAS LEDspotLV DimTone 5.8-35W MR16 36D



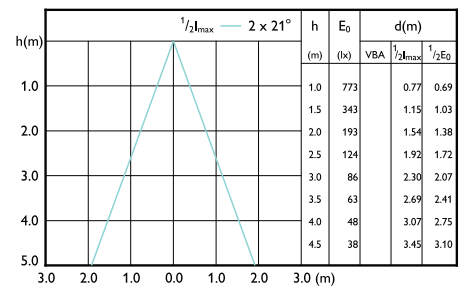
Beam diagram - MAS LED SPOT VLE D 7.5-50W MR16 940 36D



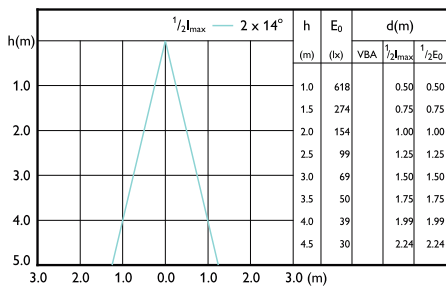
Beam diagram - MAS LEDspotLV DimTone 7.5-50W MR16 36D



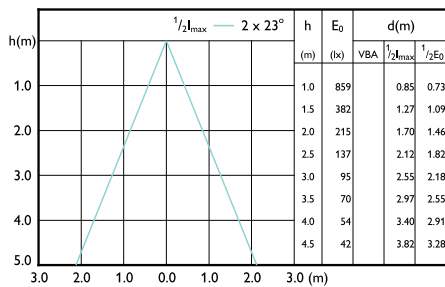
Beam diagram - MAS LED spot VLE D 5.8-35W MR16 930 36D



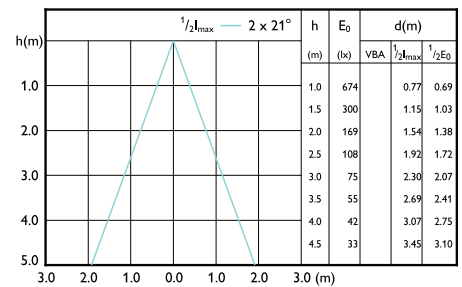
Beam diagram - MAS LED spot VLE D 5.8-35W MR16 940 36D



Beam diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D



Beam diagram - MAS LED SPOT VLE D 7.5-50W MR16 930 36D



Beam diagram - MAS LED spot VLE D 5.8-35W MR16 927 36D

MASTER VALUE LEDspot LV

