



# MASTER LEDspot LV – The ideal solution for spot lighting

## MASTER VALUE LEDspot LV

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot and general lighting applications in the hospitality industry. It is particularly suited to public areas such as receptions, lobbies, corridors, stairwells and washrooms, where the light is on all the time. The robustly designed MASTER LEDspot offers a choice of beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. The dimmable versions drive further efficiencies, while helping to create the desired atmosphere.

### 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 (the 7–35W and 10–50W versions)
- patented intelligent driver
- air movement mechanism (active fan cooling) with very low sound levels
- lifetime of 25,000 to 45,000 hours
- CRI90 (MR11 only)

### Application

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

# MASTER VALUE LEDspot LV

## 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

## Versions

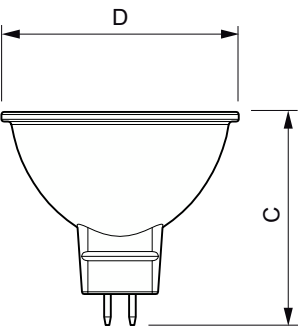
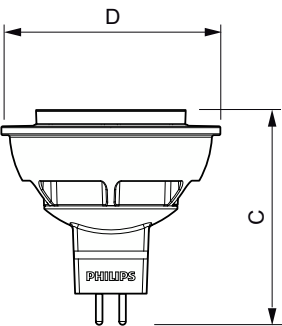


LEDspots MAS MR16 GU5,3



LEDspots MAS SLR 2 MR11 GU4

## Dimensional drawing

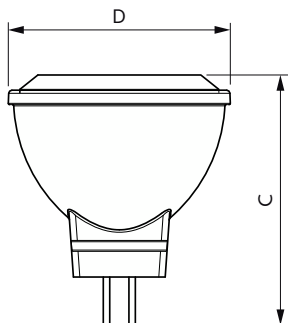


Product	D	C
MASTER LED 5.5-50W 2700K MR16 24D	50.2 mm	49 mm
MASTER LED 5.5-50W 2700K MR16 36D	50.2 mm	49 mm
MASTER LED 5.5-50W 3000K MR16 24D	50.2 mm	49 mm
MASTER LED 5.5-50W 3000K MR16 36D	50.2 mm	49 mm

Product	D	C
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 930 60D	50.5 mm	45.5 mm
MAS LED SPOT VLE D 7.5-50W MR16 940 60D	50.5 mm	45.5 mm

# MASTER VALUE LEDspot LV

## Dimensional drawing



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

### General Information

Switching Cycle	50,000
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### Light Technical

LLMF At End Of Nominal Lifetime (Nom)	70 %
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### 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
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	GU5.3	25,000 hour(s)
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	GU5.3	25,000 hour(s)
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	GU5.3	25,000 hour(s)
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	GU5.3	25,000 hour(s)
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	GU5.3	25,000 hour(s)

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	GU4	40,000 hour(s)
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	GU5.3	25,000 hour(s)
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	GU5.3	25,000 hour(s)

## Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		Color rendering		Luminous Intensity	
			Temperature (Nom)		index (CRI)	Color Code	Luminous Flux	(Nom)
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	36 degree(s)	3000 K		90	930	630 lm	1,600 cd
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	24 degree(s)	2700 K		80	827	415 lm	1,800 cd
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	36 degree(s)	2700 K		80	827	415 lm	1,000 cd
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	36 degree(s)	3000 K		80	830	425 lm	1,000 cd
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	24 degree(s)	3000 K		80	830	425 lm	1,800 cd
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	24 degree(s)	2700 K		80	827	200 lm	1,000 cd
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	60 degree(s)	3000 K		90	930	630 lm	800 cd
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	60 degree(s)	4000 K		90	940	660 lm	770 cd

## Operating and Electrical

MASTER VALUE LEDspot LV

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	7.5 W	50 W
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	5.5 W	50 W
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	5.5 W	50 W
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	5.5 W	50 W

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	5.5 W	50 W
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	3.5 W	20 W
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	7.5 W	50 W
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	7.5 W	50 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	95 °C
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	95 °C
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	95 °C
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	95 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	95 °C
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	85 °C
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	95 °C
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	95 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	Only with specific dimmers
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	No
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	No
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	No
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	No

Order Code	Full Product Name	Dimmable
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	No
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	Only with specific dimmers
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	Only with specific dimmers

Mechanical and Housing

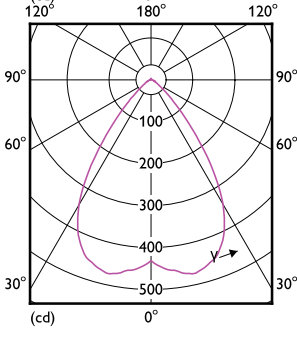
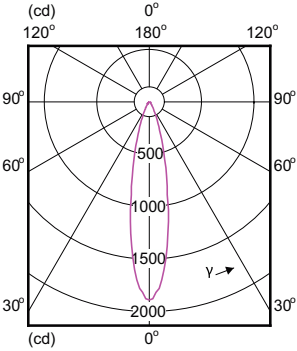
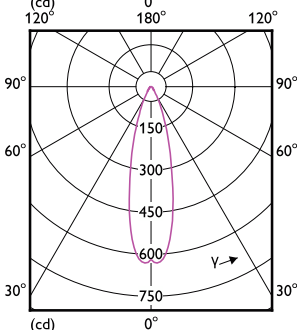
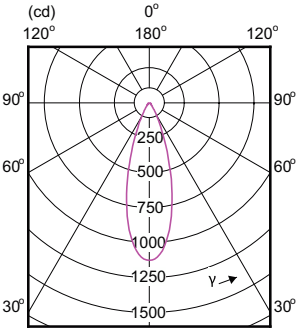
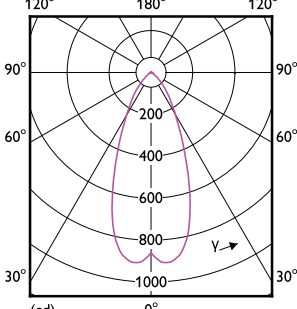
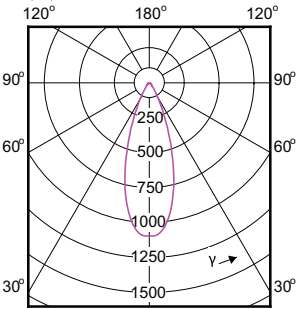
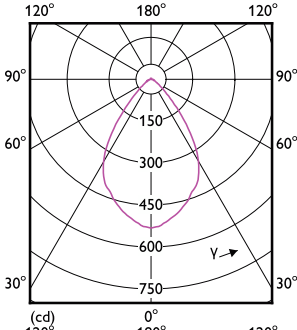
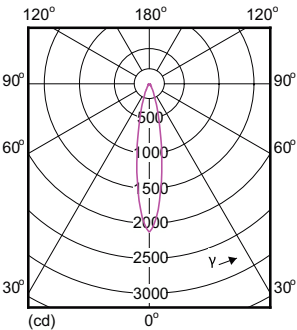
Order Code	Full Product Name	Bulb Shape
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	MR16
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	MR16
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	MR16
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	MR16

Order Code	Full Product Name	Bulb Shape
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	MR16
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	MR11
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	MR16
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	MR16

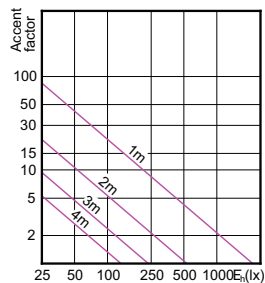
Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002493302	MAS LED SPOT VLE D 7.5-50W MR16 930 36D	8 kWh
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	- kWh
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	- kWh
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	- kWh
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	- kWh
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	4 kWh
929002493602	MAS LED SPOT VLE D 7.5-50W MR16 930 60D	8 kWh

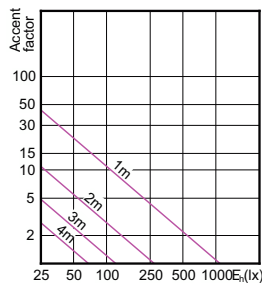
Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002493702	MAS LED SPOT VLE D 7.5-50W MR16 940 60D	8 kWh



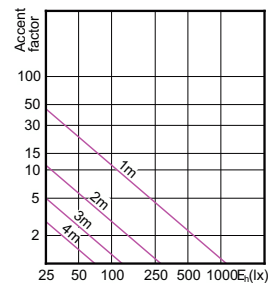
## Accent Diagrams



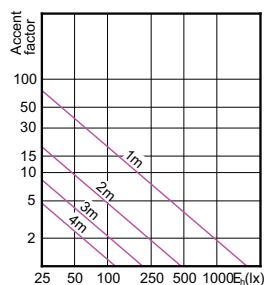
Accent Diagram - MASTER LED 5.5-50W 2700K  
MR16 24D



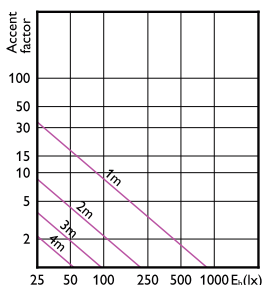
Accent Diagram - MASTER LED 5.5-50W 2700K  
MR16 36D



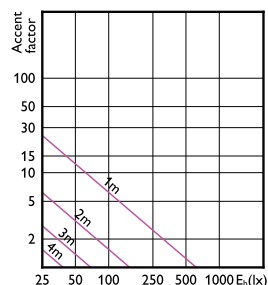
Accent Diagram - MASTER LED 5.5-50W 3000K  
MR16 36D



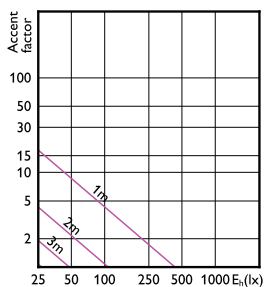
Accent Diagram - MASTER LED 5.5-50W 3000K  
MR16 24D



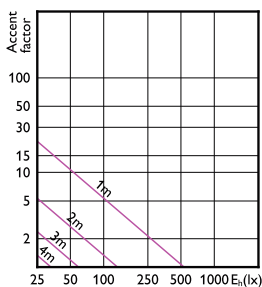
Accent Diagram - MAS LED SPOT VLE D  
7.5-50W MR16 930 36D



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



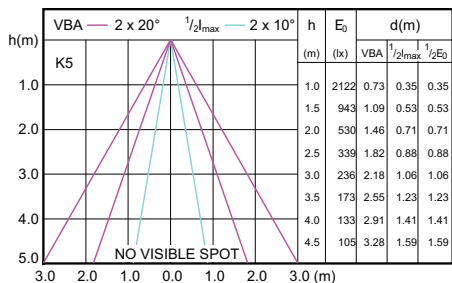
Accent Diagram - MAS LED SPOT VLE D  
7.5-50W MR16 930 60D



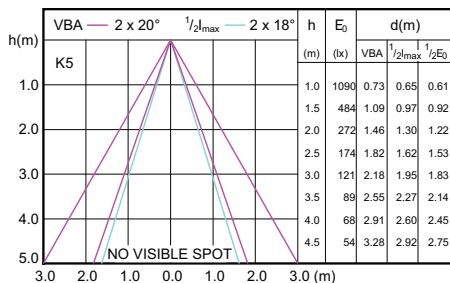
Accent Diagram - MAS LED SPOT VLE D  
7.5-50W MR16 940 60D

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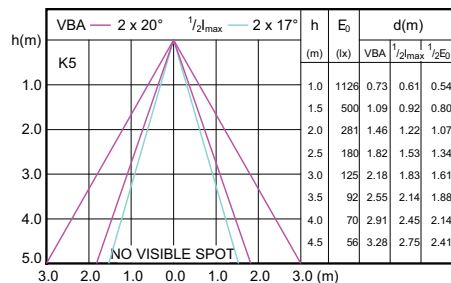
## Beam Diagrams



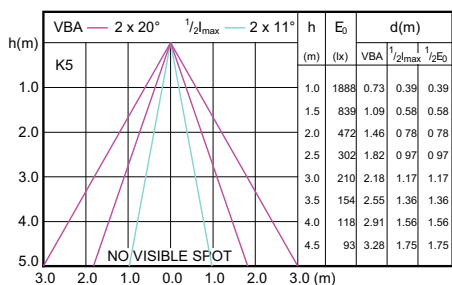
Beam diagram - MASTER LED 5.5-50W 2700K  
MR16 24D



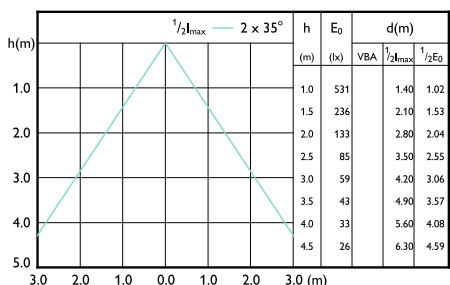
Beam diagram - MASTER LED 5.5-50W 2700K  
MR16 36D



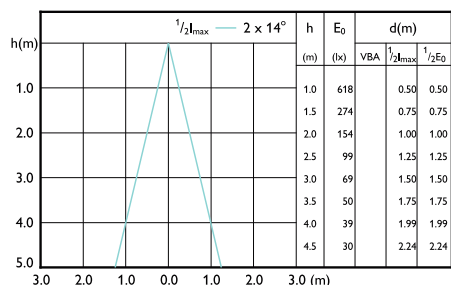
Beam diagram - MASTER LED 5.5-50W 3000K  
MR16 36D



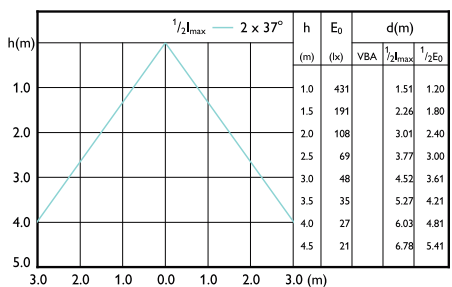
Beam diagram - MASTER LED 5.5-50W 3000K  
MR16 24D



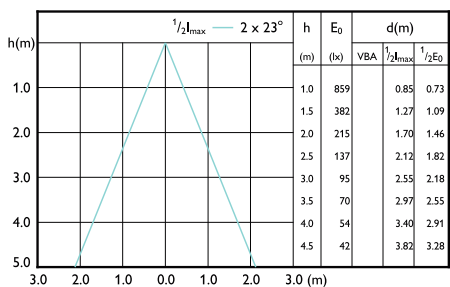
Beam diagram - MAS LED SPOT VLE D 7.5-50W  
MR16 940 60D



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



Beam diagram - MAS LED SPOT VLE D 7.5-50W  
MR16 930 60D



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

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