



MASTER LEDspot LV - The ideal solution for spot lighting

MASTER 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 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



GU4 MR11

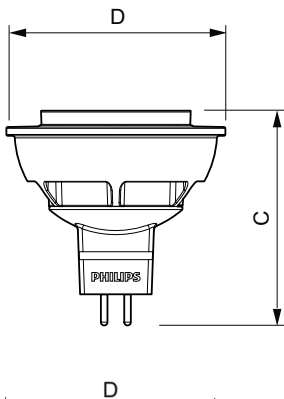


GU5.3 MR16



GU5.3 MR16

Dimensional drawing



Product	D	C
MASTER LED 4-35W 2700K MR16 24D	50 mm	49 mm
MASTER LED 4-35W 2700K MR16 36D	50 mm	49 mm
MASTER LED 5.5-50W 3000K MR16 24D	50.2 mm	49 mm
MASTER LED 5.5-50W 4000K MR16 36D	50.2 mm	49 mm
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 4000K MR16 24D	50.2 mm	49 mm
MASTER LED 5.5-50W 3000K MR16 36D	50.2 mm	49 mm

Product	D	C
MAS LEDspotLV 3.5-20W 827 MR11 24D	35 mm	40 mm

MASTER LEDspot LV

Controls and Dimming

Dimmable	No
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Operating and Electrical

Voltage (Nom)	12 V
Starting Time (Nom)	0.5 s

General Information

Switching Cycle	50000X
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Light Technical

Color Rendering Index (Nom)	80
Llmf At End Of Nominal Lifetime (Nom)	70 %

Approval and Application

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
929001123802	MAS LEDspotLV 3.5-20W 827 MR11 24D	4 kWh	A+
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	- kWh	Not applicable
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	- kWh	Not applicable
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	- kWh	Not applicable
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	- kWh	Not applicable

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	- kWh	Not applicable
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	- kWh	Not applicable
929001147408	MASTER LED 4-35W 2700K MR16 24D	4 kWh	A+
929001147508	MASTER LED 4-35W 2700K MR16 36D	4 kWh	A+

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Wattage Equivalent	Power
				(Rated) (Nom)
929001123802	MAS LEDspotLV 3.5-20W 827 MR11 24D	50 to 60 Hz	20 W	3.5 W
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	- Hz	50 W	5.5 W
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	- Hz	50 W	5.5 W
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	- Hz	50 W	5.5 W
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	- Hz	50 W	5.5 W

Order Code	Full Product Name	Input Frequency	Wattage Equivalent	Power
				(Rated) (Nom)
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	- Hz	50 W	5.5 W
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	- Hz	50 W	5.5 W
929001147408	MASTER LED 4-35W 2700K MR16 24D	- Hz	35 W	4 W
929001147508	MASTER LED 4-35W 2700K MR16 36D	- Hz	20 W	4 W

General Information

Order Code	Full Product Name	Nominal Lifetime	
		Cap-Base	(Nom)
929001123802	MAS LEDspotLV 3.5-20W 827 MR11 24D	GU4	40000 h

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Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	GU5.3	25000 h
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	GU5.3	25000 h
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	GU5.3	25000 h
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	GU5.3	25000 h

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	GU5.3	25000 h
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	GU5.3	25000 h
929001147408	MASTER LED 4-35W 2700K MR16 24D	GU5.3	25000 h
929001147508	MASTER LED 4-35W 2700K MR16 36D	GU5.3	25000 h

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)	Luminous Intensity (Nom)
929001123802	MAS LEDspotLV 3.5-20W 827 MR11 24D	24°	827	2700 K	210 lm	1000 cd
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	24°	827	2700 K	415 lm	1800 cd
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	36°	827	2700 K	415 lm	1000 cd
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	36°	830	3000 K	425 lm	1000 cd
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	24°	830	3000 K	425 lm	1800 cd
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	24°	841	4000 K	450 lm	1800 cd
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	36°	841	4000 K	450 lm	1000 cd
929001147408	MASTER LED 4-35W 2700K MR16 24D	24°	827	2700 K	240 lm	1000 cd
929001147508	MASTER LED 4-35W 2700K MR16 36D	36°	827	2700 K	240 lm	550 cd

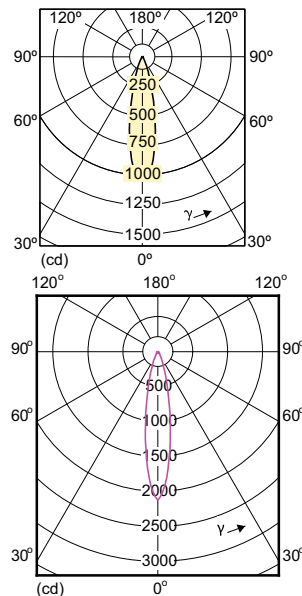
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
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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
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	MR16

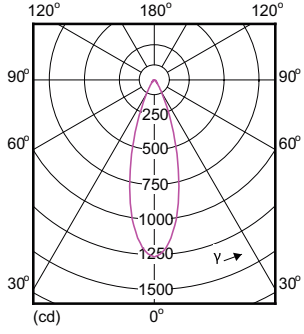
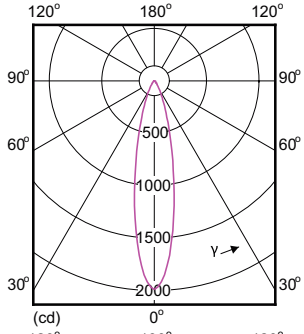
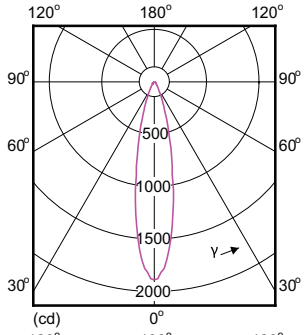
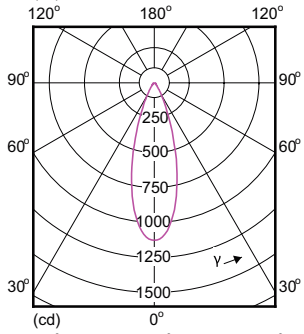
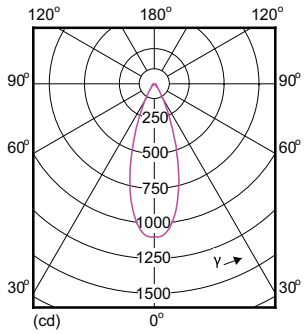
Order Code	Full Product Name	Bulb Shape
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929001146908	MASTER LED 5.5-50W 4000K MR16 36D	MR16
929001147408	MASTER LED 4-35W 2700K MR16 24D	MR16
929001147508	MASTER LED 4-35W 2700K MR16 36D	MR16

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001123802	MAS LEDspotLV 3.5-20W 827 MR11 24D	94 °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
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	95 °C
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	95 °C
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	95 °C
929001147408	MASTER LED 4-35W 2700K MR16 24D	65 °C
929001147508	MASTER LED 4-35W 2700K MR16 36D	65 °C

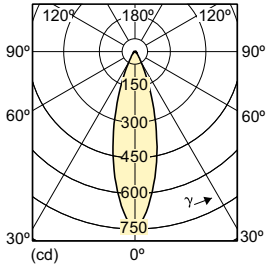


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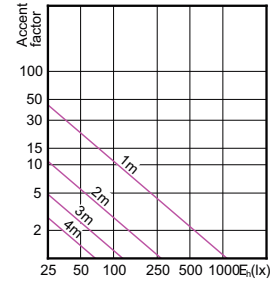
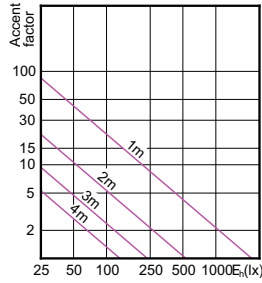
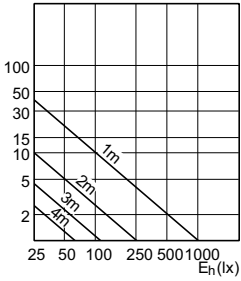


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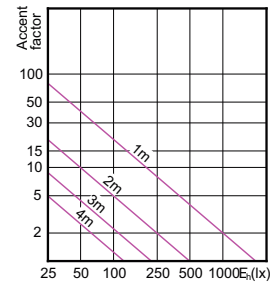
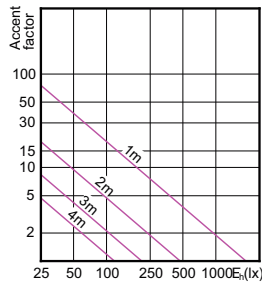
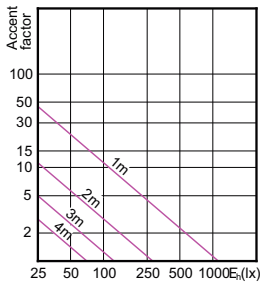


Accent Diagrams



**MASTER LED 5.5-50W MR16 GU5.3 2700K
415lm 24D**

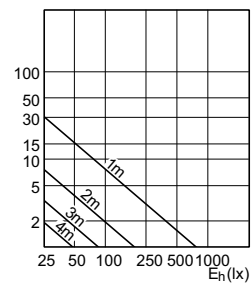
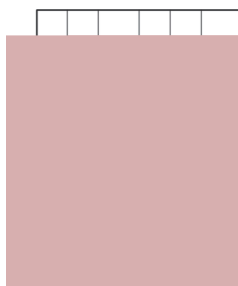
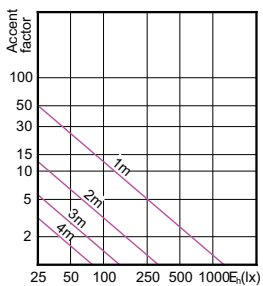
**MASTER LED 5.5-50W MR16 GU5.3 2700K
415lm 36D**



**MASTER LED 5.5-50W MR16 GU5.3 3000K
425lm 36D**

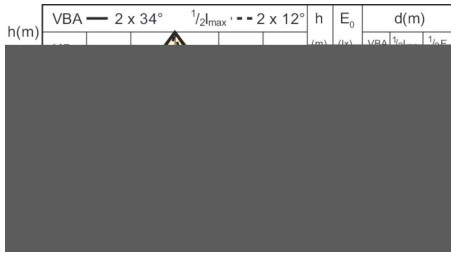
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425lm 24D**

**MASTER LED 5.5-50W MR16 GU5.3 4000K
450lm 24D**

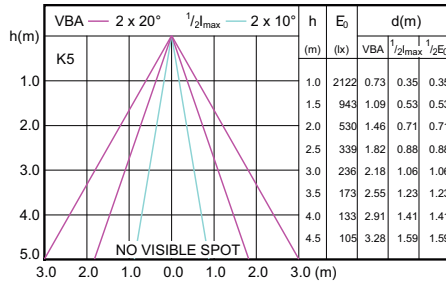


**MASTER LED 5.5-50W MR16 GU5.3 4000K
450lm 36D**

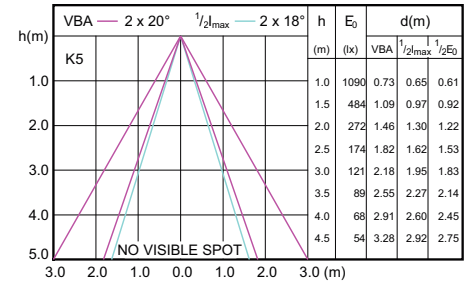
Beam Diagrams



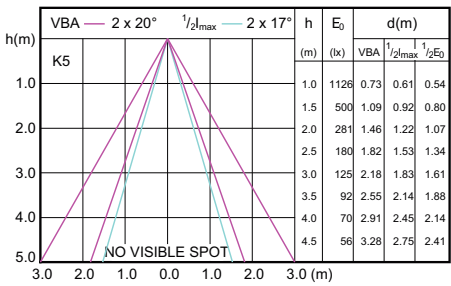
SDBE_LEDspotL_0101-Beam diagram



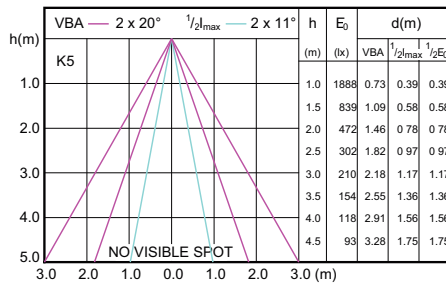
MASTER LED 5.5-50W MR16 GU5.3 2700K
415lm 24D



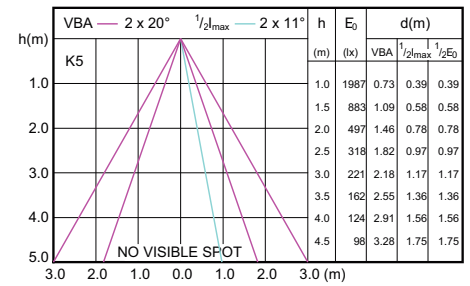
MASTER LED 5.5-50W MR16 GU5.3 2700K
415lm 36D



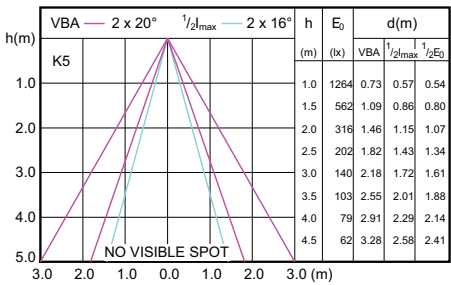
MASTER LED 5.5-50W MR16 GU5.3 3000K
425lm 36D



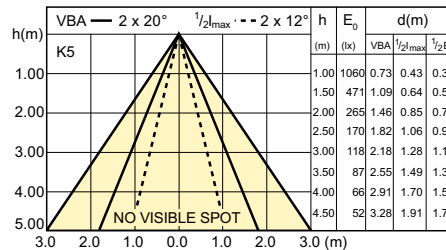
MASTER LED 5.5-50W MR16 GU5.3 3000K
425lm 24D



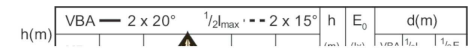
MASTER LED 5.5-50W MR16 GU5.3 4000K
450lm 24D



MASTER LED 5.5-50W MR16 GU5.3 4000K
450lm 36D



SDBE_LEDspotL_0112-Beam diagram



SDBE_LEDspotL_0114-Beam diagram

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