



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
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- Broad compatibility with transformers
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- Retrofittable with low-voltage MR16 halogen lamps with GU5.3 socket
- Suitable to retrofit with low-voltage halogen lamps covering GU5.3 and GU4 base types

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Features

- dimmable (the 7-35W and 10-50W versions)
- Dimmable (6.5-35W versions)
- patented intelligent driver
- Innovative AirFlux technology for passive cooling, depending upon model
- air movement mechanism (active fan cooling) with very low sound levels
- Warm and cool white light
- lifetime of 25,000 to 45,000 hours
- Lifetime:
- CRI90 (MR11 only)
- 40,000 hours MASTER LED
- 25,000 hours MASTER LED VALUE
- TransforMax technology to ensure compatibility with existing transformers (depending upon model)

Application

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

- Operating temperature range is between -20° C and 45° C ambient
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- 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)
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- Not intended for use with emergency light fixtures or exit lights
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Versions



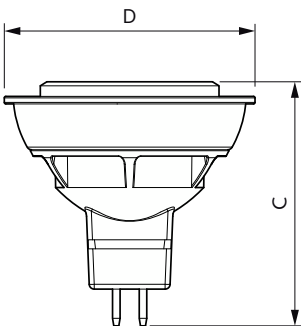
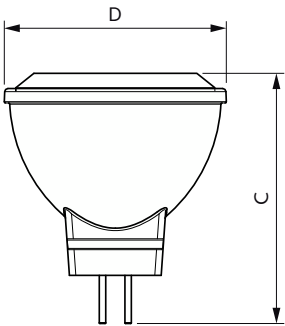
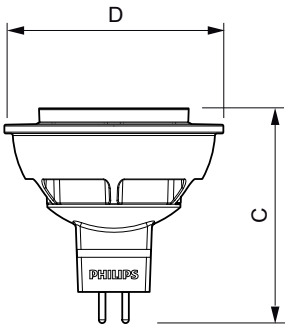
MASTER LED 5.5-50W MR16 GU5.3



LEDspots MAS SLR 2 MR11 GU4

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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
MASTER LED 5.5-50W 4000K MR16 24D	50.2 mm	49 mm

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

Product	D	C
MASTER LED 3.9-35W 2700K MR16 24D	50.5 mm	50 mm
MASTER LED 3.9-35W 3000K MR16 36D	50.5 mm	50 mm
MASTER LED 4.9-50W 3000K MR16 36D	50.5 mm	50 mm
MASTER LED 4.9-50W 4000K MR16 36D	50.5 mm	50 mm

General Information

Switching Cycle 50,000

Light Technical

LLMF At End Of Nominal Lifetime (Nom) 70 %

Operating and Electrical

Input Frequency - Hz

Starting Time (Nom) 0.5 s

Controls and Dimming

Dimmable No

General Information

MASTER VALUE LEDspot LV

Order Code	Full Product Name	Cap-Base	Nominal lifetime
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)
929001146808	MASTER LED 5.5-50W 4000K 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)
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	GU5.3	25,000 hour(s)
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	GU5.3	25,000 hour(s)
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	GU5.3	25,000 hour(s)
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	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)		
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	
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	24 degree(s)	4000 K	80	840	450 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	
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	24 degree(s)	2700 K	90	927	270 lm	1,000 cd	
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	36 degree(s)	3000 K	90	930	280 lm	600 cd	
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	36 degree(s)	3000 K	90	930	425 lm	950 cd	
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	36 degree(s)	4000 K	90	940	430 lm	950 cd	

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	- Hz	5.5 W	50 W
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	- Hz	5.5 W	50 W
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	- Hz	5.5 W	50 W
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	- Hz	5.5 W	50 W
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	- Hz	5.5 W	50 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	- Hz	3.5 W	20 W
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	-	3.9 W	35 W
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	-	3.9 W	35 W
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	-	4.9 W	50 W
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	-	4.9 W	50 W

Temperature

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
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	Ambient temperature range	T-Case Maximum (Nom)
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	-	95 °C
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	-	95 °C
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	-	85 °C

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Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	-20 to +45 °C	68 °C
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	-20 to +45 °C	68 °C

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	-20 to +45 °C	72 °C
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	-20 to +45 °C	72 °C

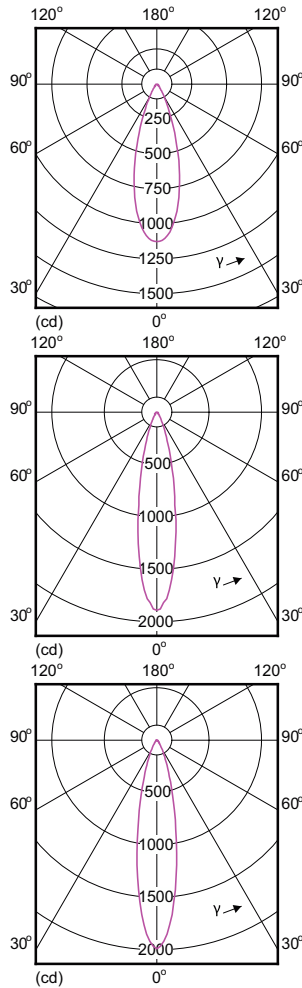
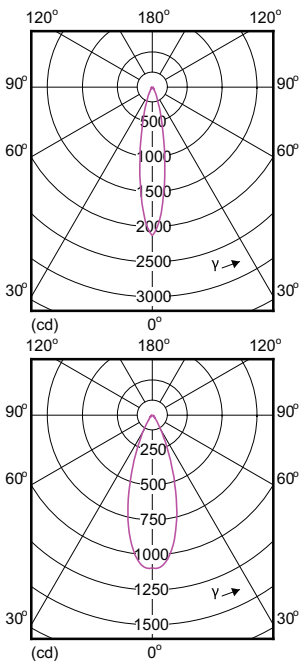
Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
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
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	-	MR16

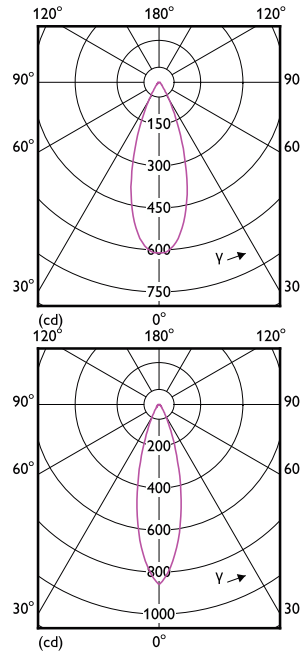
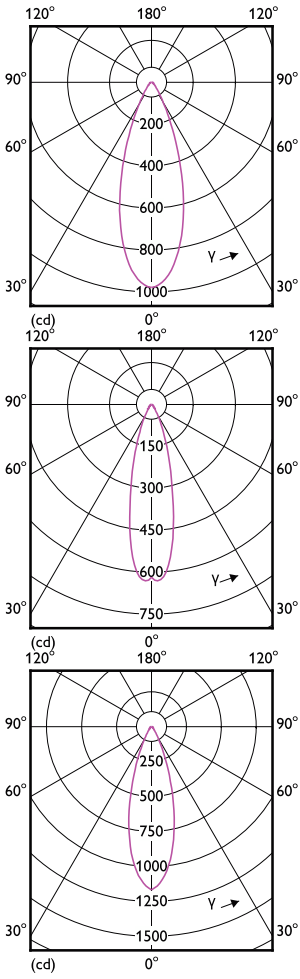
Order Code	Full Product Name	Bulb Finish	Bulb Shape
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	-	MR11
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	Clear	MR16
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	Clear	MR16
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	Clear	MR16
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	Clear	MR16

Approval and Application

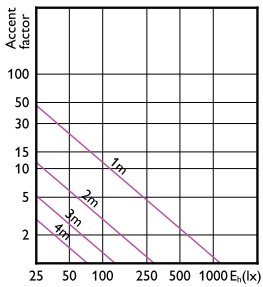
Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	- kWh
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	- kWh
929001146608	MASTER LED 5.5-50W 3000K MR16 36D	- kWh
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	- kWh
929001146808	MASTER LED 5.5-50W 4000K MR16 24D	- kWh
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	4 kWh
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	-
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	-
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	-
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	-



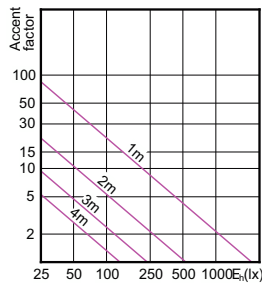
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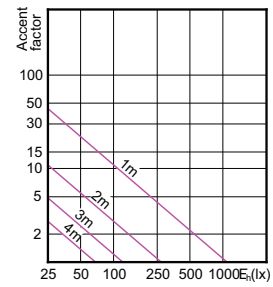
Accent Diagrams



Accent Diagram - MASTER LED 4.9-50W 3000K MR16 36D



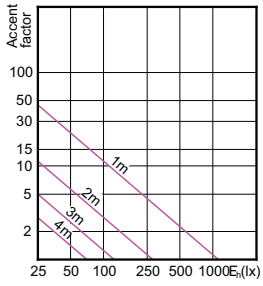
Accent Diagram - MASTER LED 5.5-50W 2700K MR16 24D



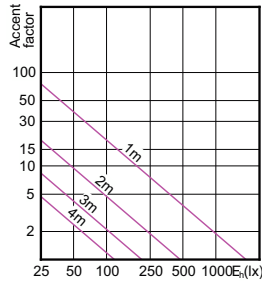
Accent Diagram - MASTER LED 5.5-50W 2700K MR16 36D

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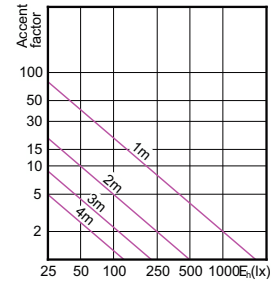
Accent Diagrams



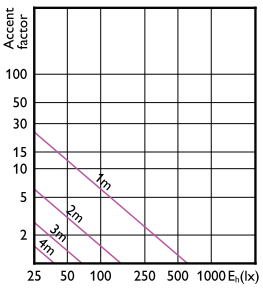
Accent Diagram - MASTER LED 5.5-50W 3000K MR16 36D



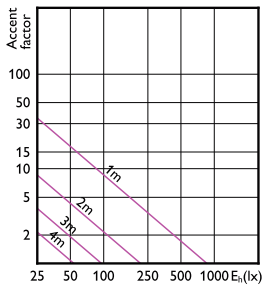
Accent Diagram - MASTER LED 5.5-50W 3000K MR16 24D



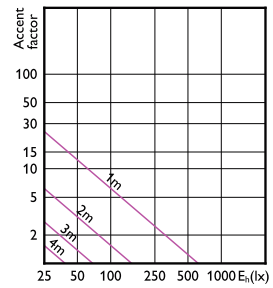
Accent Diagram - MASTER LED 5.5-50W 4000K MR16 24D



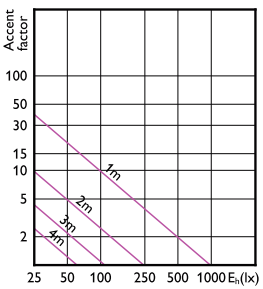
Accent Diagram - MASTER LED 3.9-35W 2700K MR16 24D



Accent Diagram - MASTER LED 3.9-35W 3000K MR16 36D



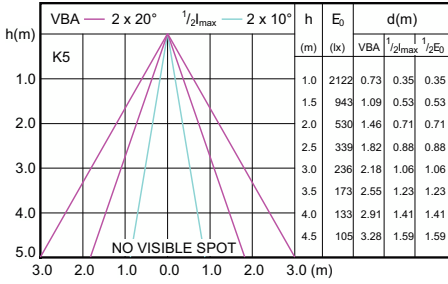
Accent Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D



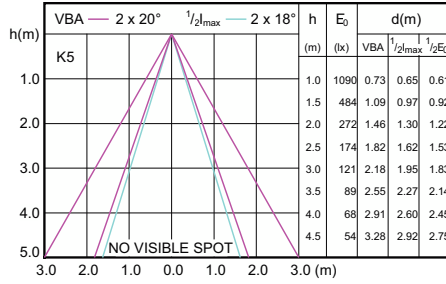
Accent Diagram - MASTER LED 4.9-50W 4000K MR16 36D

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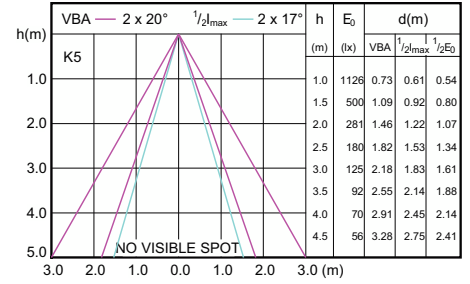
Beam Diagrams



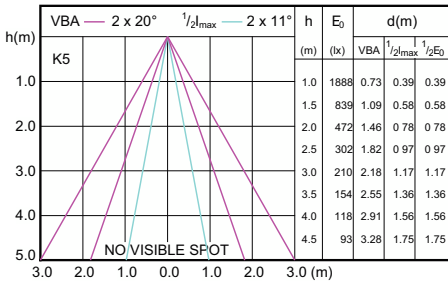
Beam diagram - MASTER LED 5.5-50W 2700K MR16 24D



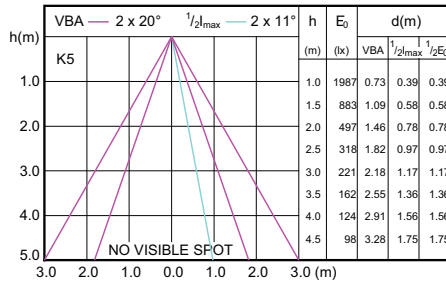
Beam diagram - MASTER LED 5.5-50W 2700K MR16 36D



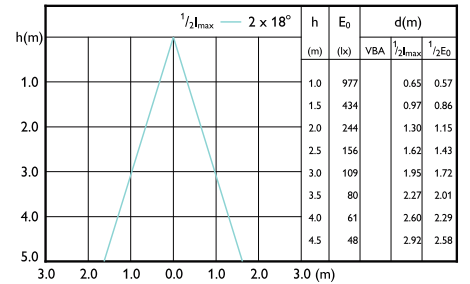
Beam diagram - MASTER LED 5.5-50W 3000K MR16 36D



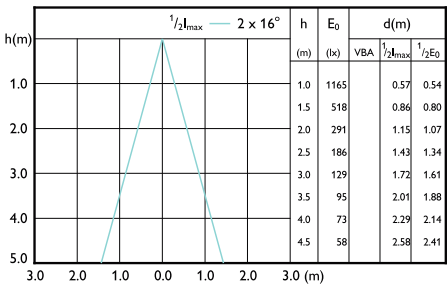
Beam diagram - MASTER LED 5.5-50W 3000K MR16 24D



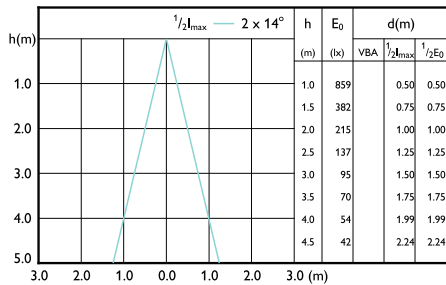
Beam diagram - MASTER LED 5.5-50W 4000K MR16 24D



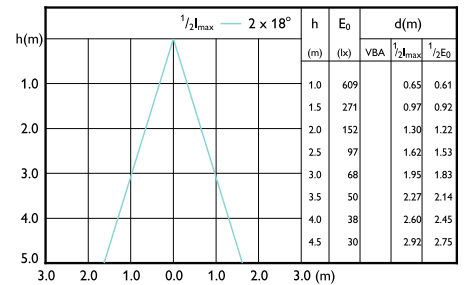
Beam diagram - MASTER LED 4.9-50W 4000K MR16 36D



Beam diagram - MASTER LED 4.9-50W 3000K MR16 36D



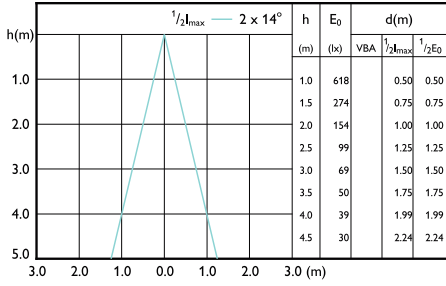
Beam diagram - MASTER LED 3.9-35W 3000K MR16 36D



Beam diagram - MASTER LED 3.9-35W 2700K MR16 24D

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Beam Diagrams



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

