



# 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

# MASTER VALUE LEDspot LV

## 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



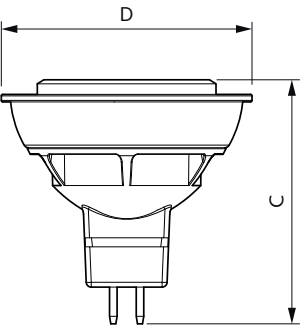
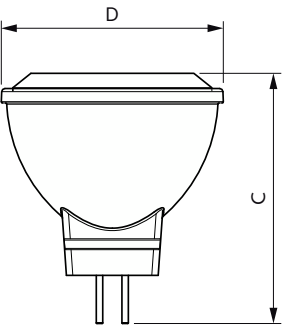
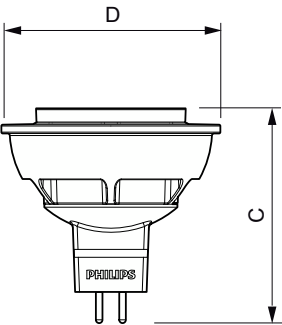
MASTER LED 5.5-50W MR16 GU5.3



LEDspots MAS SLR 2 MR11 GU4

# MASTER VALUE LEDspot LV

## Dimensional drawing



Product	D	C
MASTER LED 5.5-50W 3000K 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 2700K MR16 36D	50.5 mm	50 mm
MASTER LED 3.9-35W 3000K 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 2700K MR16 24D	50.5 mm	50 mm
MASTER LED 4.9-50W 2700K MR16 36D	50.5 mm	50 mm
MASTER LED 4.9-50W 3000K MR16 24D	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 24D	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
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	GU5.3	25,000 hour(s)
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)
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	GU5.3	25,000 hour(s)
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	GU5.3	25,000 hour(s)
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	GU5.3	25,000 hour(s)

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	GU5.3	25,000 hour(s)
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	GU5.3	25,000 hour(s)
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	GU5.3	25,000 hour(s)
929003610908	MASTER LED 4.9-50W 2700K 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	Correlated Color		Color rendering		Luminous Intensity	
		Beam Angle (Nom)	Temperature (Nom)	index (CRI)	Color Code	Luminous Flux	(Nom)
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
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	24 degree(s)	2700 K	90	927	270 lm	1,000 cd
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	24 degree(s)	3000 K	90	930	280 lm	1,000 cd
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	36 degree(s)	2700 K	90	927	270 lm	600 cd
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	36 degree(s)	3000 K	90	930	280 lm	600 cd
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	24 degree(s)	2700 K	90	927	415 lm	1,600 cd
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	24 degree(s)	3000 K	90	930	425 lm	1,700 cd
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	24 degree(s)	4000 K	90	940	430 lm	1,700 cd
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	36 degree(s)	2700 K	90	927	415 lm	900 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	Power	Wattage
		Frequency	Consumption	Equivalent
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	- Hz	5.5 W	50 W
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
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	-	3.9 W	35 W
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	-	3.9 W	35 W
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	-	3.9 W	35 W

Order Code	Full Product Name	Line	Power	Wattage
		Frequency	Consumption	Equivalent
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	-	4.9 W	50 W
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	-	4.9 W	50 W
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	-	4.9 W	50 W
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	-	4.9 W	50 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	T-Case Maximum (Nom)
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	95 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	85 °C

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Order Code	Full Product Name	T-Case Maximum (Nom)
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	68 °C
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	68 °C
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	68 °C
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	68 °C
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	72 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	72 °C
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	72 °C
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	72 °C
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	72 °C
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	72 °C

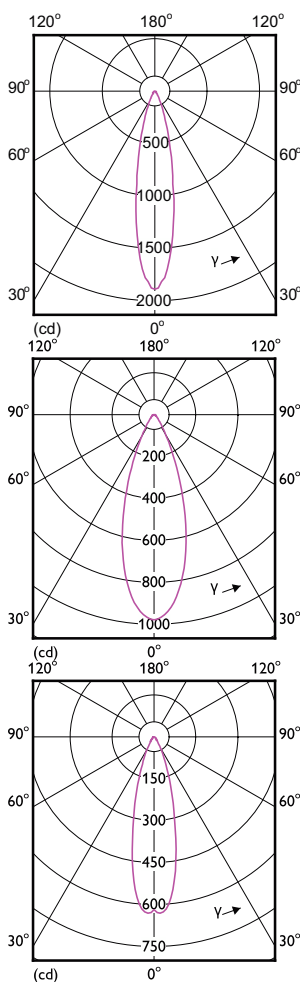
## Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	-	MR16
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	-	MR11
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	Clear	MR16
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	Clear	MR16
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	Clear	MR16
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	Clear	MR16

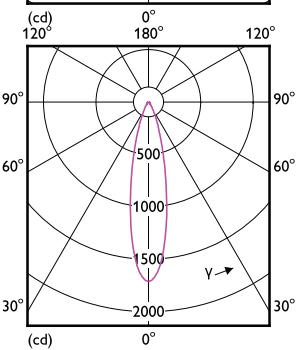
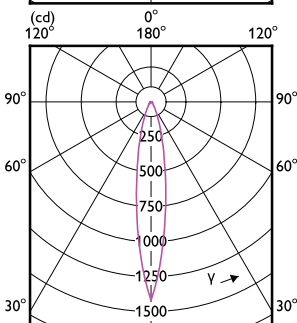
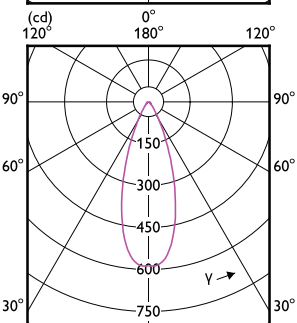
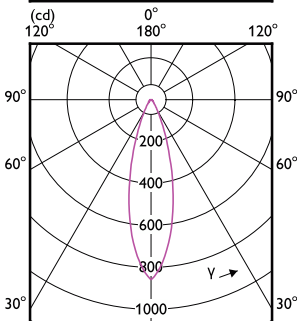
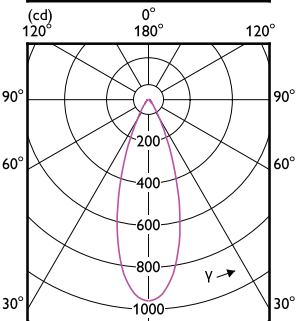
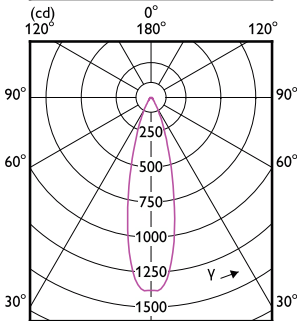
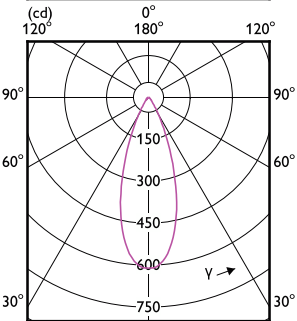
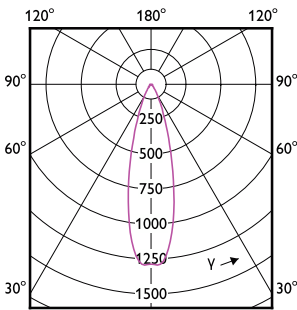
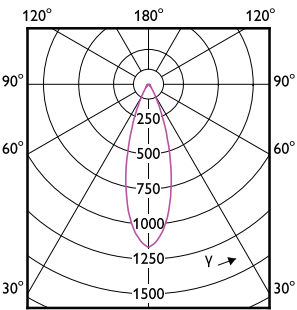
Order Code	Full Product Name	Bulb Finish	Bulb Shape
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	Clear	MR16
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	Clear	MR16
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	Clear	MR16
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	Clear	MR16
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	Clear	MR16
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	Clear	MR16

## Approval and Application

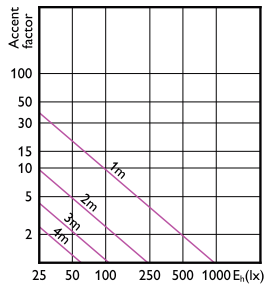
Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	-	-
929003087002	MAS LEDspotLV 3.5-20W 827 MR11 24D	-	4 kWh
929003610208	MASTER LED 3.9-35W 2700K MR16 24D	-20 to +45 °C	-
929003610308	MASTER LED 3.9-35W 3000K MR16 24D	-20 to +45 °C	-
929003610408	MASTER LED 3.9-35W 2700K MR16 36D	-20 to +45 °C	-
929003610508	MASTER LED 3.9-35W 3000K MR16 36D	-20 to +45 °C	-
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	-20 to +45 °C	-
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	20 to +45 °C	-
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	-20 to +45 °C	-
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	-20 to +45 °C	-
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	-20 to +45 °C	-
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	-20 to +45 °C	-



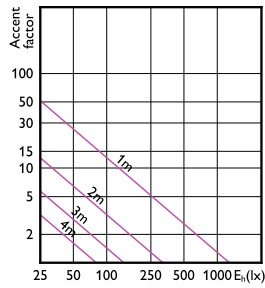
MASTER VALUE LEDspot LV



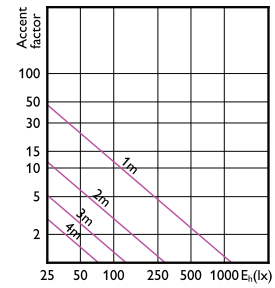
## Accent Diagrams



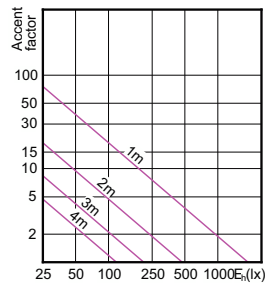
Accent Diagram - MASTER LED 4.9-50W 2700K  
MR16 36D



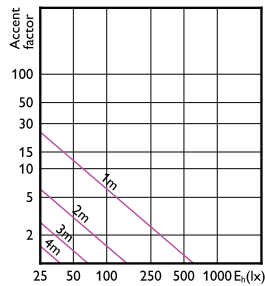
Accent Diagram - MASTER LED 4.9-50W 2700K  
MR16 24D



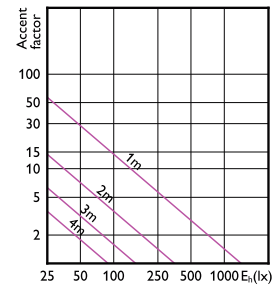
Accent Diagram - MASTER LED 4.9-50W  
3000K MR16 36D



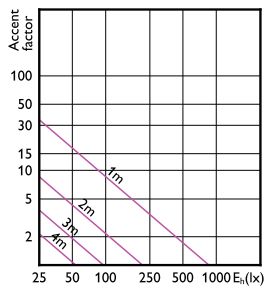
Accent Diagram - MASTER LED 5.5-50W 3000K  
MR16 24D



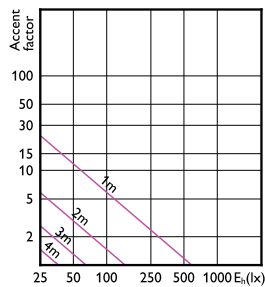
Accent Diagram - MASTER LED 3.9-35W 2700K  
MR16 24D



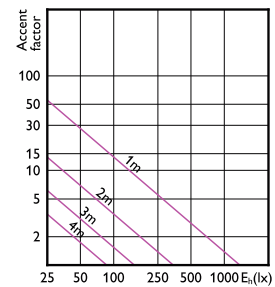
Accent Diagram - MASTER LED 3.9-35W 3000K  
MR16 24D



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



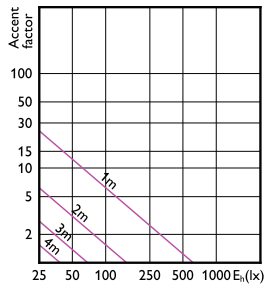
Accent Diagram - MASTER LED 3.9-35W 2700K  
MR16 36D



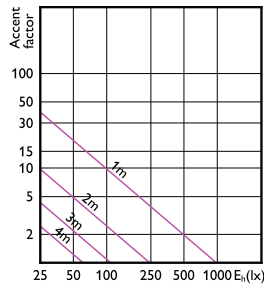
Accent Diagram - MASTER LED 4.9-50W  
4000K MR16 24D

# MASTER VALUE LEDspot LV

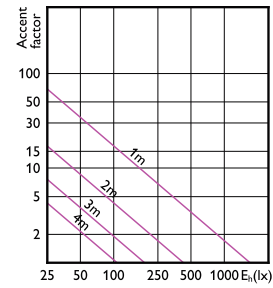
## Accent Diagrams



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

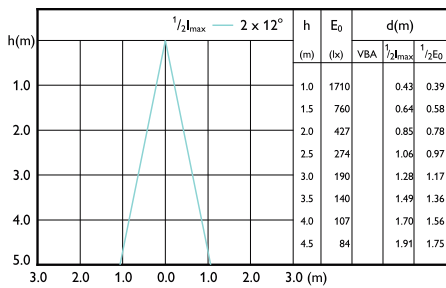


Accent Diagram - MASTER LED 4.9-50W 4000K MR16 36D

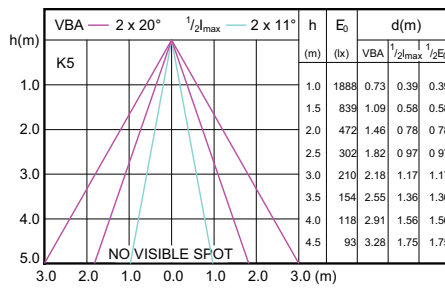


Accent Diagram - MASTER LED 4.9-50W 3000K MR16 24D

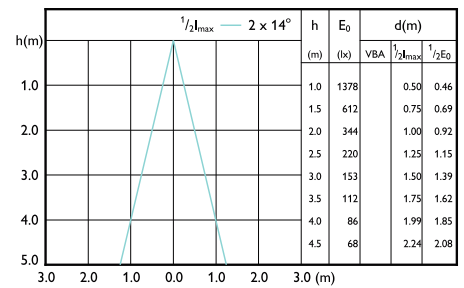
## Beam Diagrams



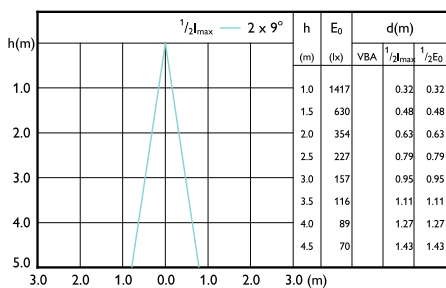
Beam diagram - MASTER LED 4.9-50W 3000K MR16 24D



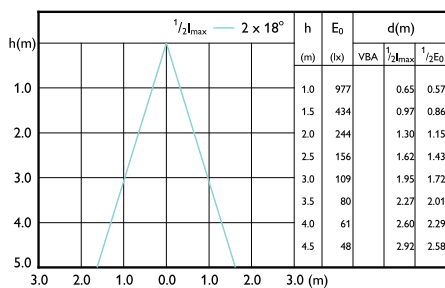
Beam diagram - MASTER LED 5.5-50W 3000K MR16 24D



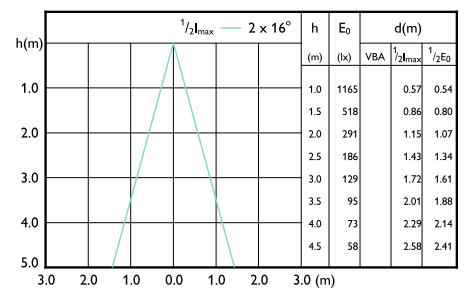
Beam diagram - MASTER LED 4.9-50W 4000K MR16 24D



Beam diagram - MASTER LED 3.9-35W 3000K MR16 24D



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

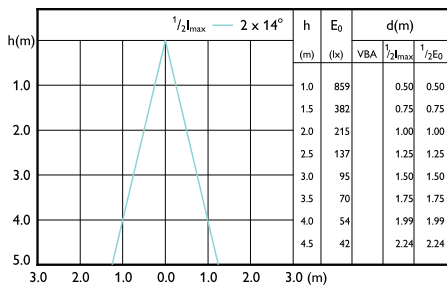


Beam diagram - MASTER LED 4.9-50W 3000K MR16 36D

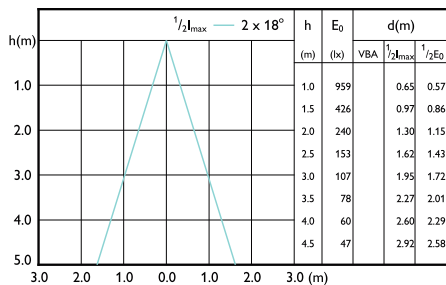


# MASTER VALUE LEDspot LV

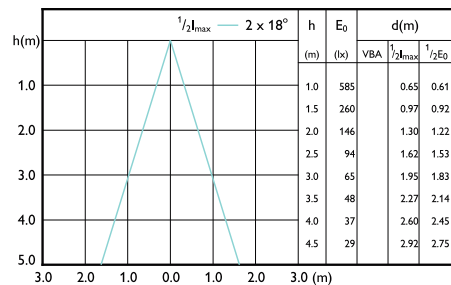
## Beam Diagrams



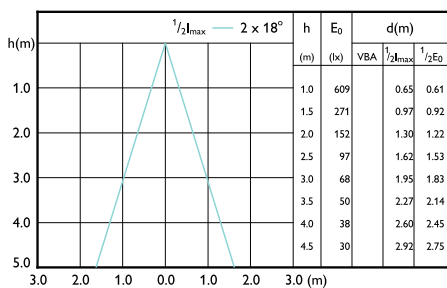
Beam diagram - MASTER LED 3.9-35W 3000K  
MR16 36D



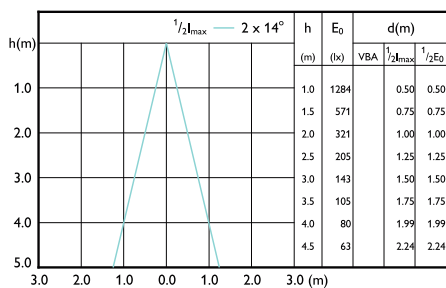
Beam diagram - MASTER LED 4.9-50W 2700K  
MR16 36D



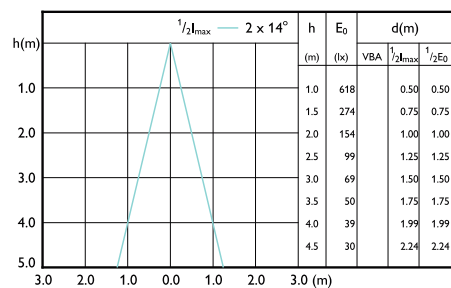
Beam diagram - MASTER LED 3.9-35W 2700K  
MR16 36D



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



Beam diagram - MASTER LED 4.9-50W 2700K  
MR16 24D



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

