



# MASTER LEDspot LV – The ideal solution for spot lighting

## MASTER VALUE LED spot 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
- Suitable to retrofit with low-voltage halogen lamps covering GU5.3 and GU4 base types

### Features

- Dimmable (6.5–35W versions)
- Innovative AirFlux technology for passive cooling, depending upon model
- Warm and cool white light
- Lifetime:
  - 40,000 hours MASTER LED
  - 25,000 hours MASTER LED VALUE
- TransforMax technology to ensure compatibility with existing transformers (depending upon model)

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## Application

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

## Warnings and Safety

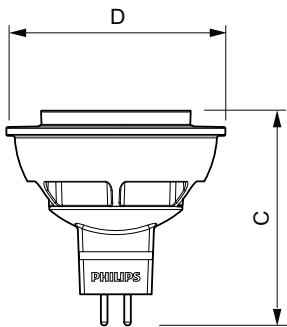
- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

## Versions

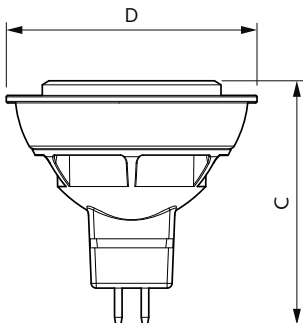


MASTER LED 5.5-50W MR16 GU5.3

## Dimensional drawing



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



Product	D	C
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

# MASTER VALUE LED spot LV

General Information	
Cap-Base	GU5.3
Switching Cycle	50,000
Nominal lifetime	25,000 hour(s)
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	- Hz
Starting Time (Nom)	0.5 s
Wattage Equivalent	50 W
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	MR16

## Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	24 degree(s)	2700 K	80	827
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	24 degree(s)	3000 K	80	830
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	24 degree(s)	2700 K	90	927
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	24 degree(s)	3000 K	90	930
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	24 degree(s)	4000 K	90	940
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	36 degree(s)	2700 K	90	927
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	36 degree(s)	3000 K	90	930
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	36 degree(s)	4000 K	90	940

## Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Luminous Intensity (Nom)	Order Code	Full Product Name	Luminous Flux	Luminous Intensity (Nom)
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	415 lm	1,800 cd	929003610808	MASTER LED 4.9-50W 4000K MR16 24D	430 lm	1,700 cd
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	425 lm	1,800 cd	929003610908	MASTER LED 4.9-50W 2700K MR16 36D	415 lm	900 cd
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	415 lm	1,600 cd	929003611008	MASTER LED 4.9-50W 3000K MR16 36D	425 lm	950 cd
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	425 lm	1,700 cd	929003611108	MASTER LED 4.9-50W 4000K MR16 36D	430 lm	950 cd

## Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Order Code	Full Product Name	Line Frequency	Power Consumption
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	- Hz	5.5 W	929003610808	MASTER LED 4.9-50W 4000K MR16 24D	-	4.9 W
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	- Hz	5.5 W	929003610908	MASTER LED 4.9-50W 2700K MR16 36D	-	4.9 W
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	-	4.9 W	929003611008	MASTER LED 4.9-50W 3000K MR16 36D	-	4.9 W
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	-	4.9 W	929003611108	MASTER LED 4.9-50W 4000K MR16 36D	-	4.9 W

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)	Order Code	Full Product Name	T-Case Maximum (Nom)
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	95 °C	929003610708	MASTER LED 4.9-50W 3000K MR16 24D	72 °C
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	95 °C	929003610808	MASTER LED 4.9-50W 4000K MR16 24D	72 °C
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	72 °C	929003610908	MASTER LED 4.9-50W 2700K MR16 36D	72 °C

# MASTER VALUE LED spot LV

Order Code	Full Product Name	T-Case Maximum (Nom)
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	72 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	72 °C

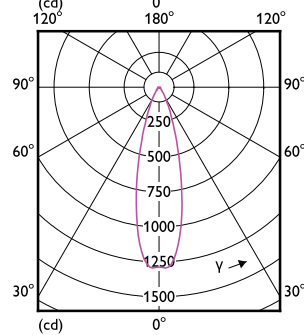
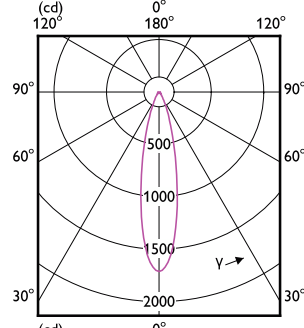
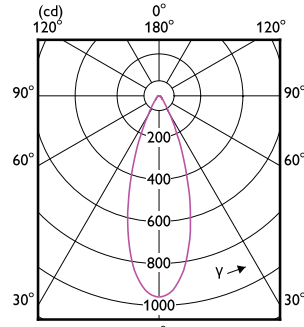
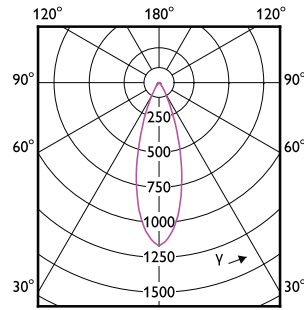
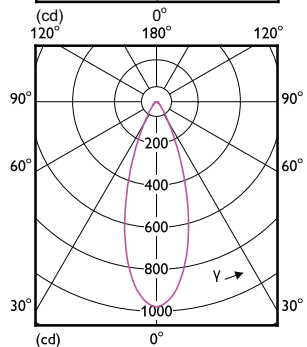
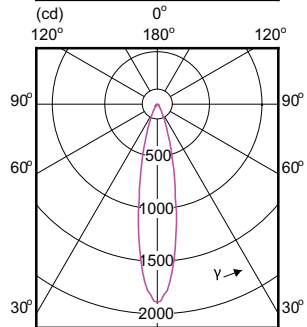
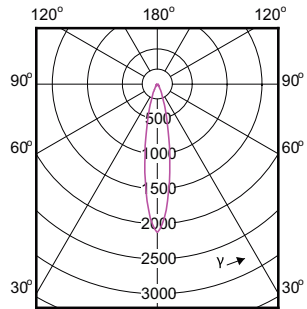
## Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	-
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	-
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	Clear
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	Clear

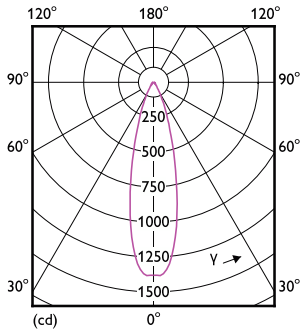
Order Code	Full Product Name	Bulb Finish
929003610808	MASTER LED 4.9-50W 4000K MR16 24D	Clear
929003610908	MASTER LED 4.9-50W 2700K MR16 36D	Clear
929003611008	MASTER LED 4.9-50W 3000K MR16 36D	Clear
929003611108	MASTER LED 4.9-50W 4000K MR16 36D	Clear

## Approval and Application

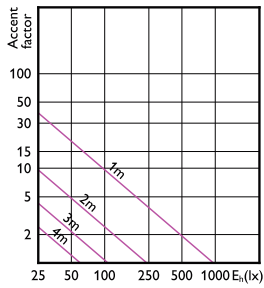
Order Code	Full Product Name	Ambient temperature range
929001145908	MASTER LED 5.5-50W 2700K MR16 24D	-20 to +45 °C
929001146708	MASTER LED 5.5-50W 3000K MR16 24D	-20 to +45 °C
929003610608	MASTER LED 4.9-50W 2700K MR16 24D	-20 to +45 °C
929003610708	MASTER LED 4.9-50W 3000K MR16 24D	20 to +45 °C
929003610808	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



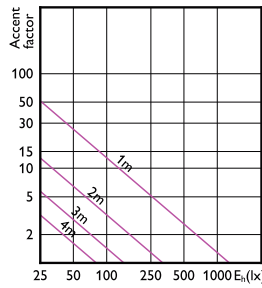
# MASTER VALUE LED spot LV



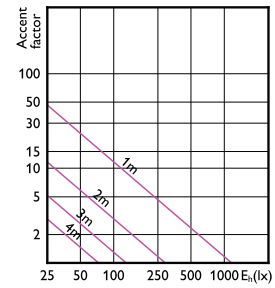
## Accent Diagrams



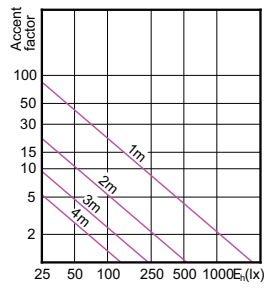
Accent Diagram - MASTER LED 4.9-50W 2700K MR16 36D



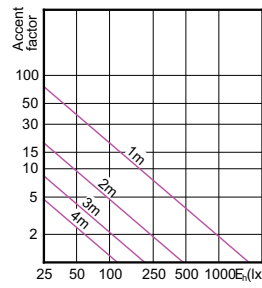
Accent Diagram - MASTER LED 4.9-50W 2700K MR16 24D



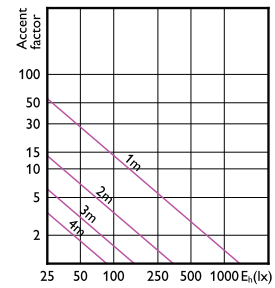
Accent Diagram - MASTER LED 4.9-50W 3000K MR16 36D



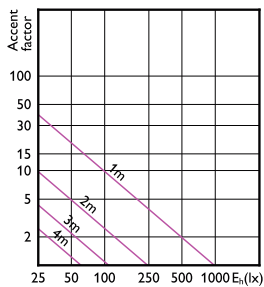
Accent Diagram - MASTER LED 5.5-50W 2700K MR16 24D



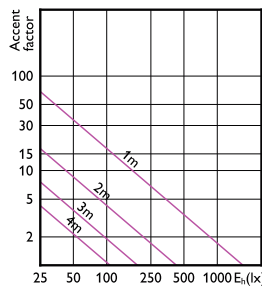
Accent Diagram - MASTER LED 5.5-50W 3000K MR16 24D



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



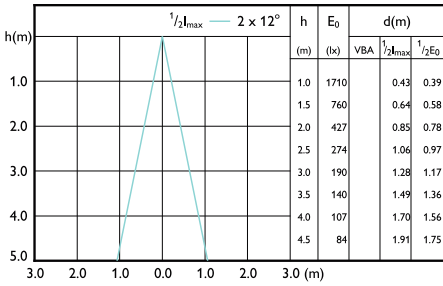
Accent Diagram - MASTER LED 4.9-50W 4000K MR16 36D



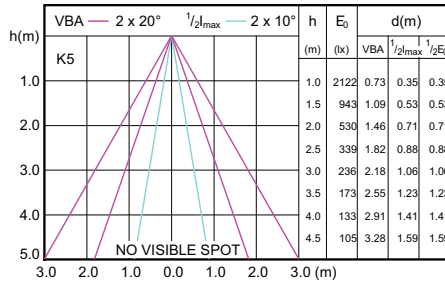
Accent Diagram - MASTER LED 4.9-50W 3000K MR16 24D

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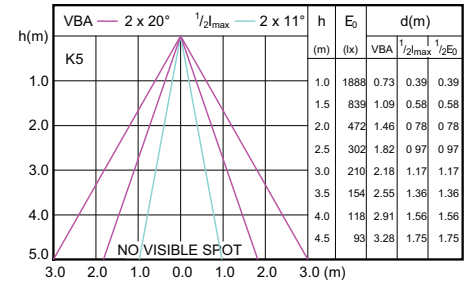
## Beam Diagrams



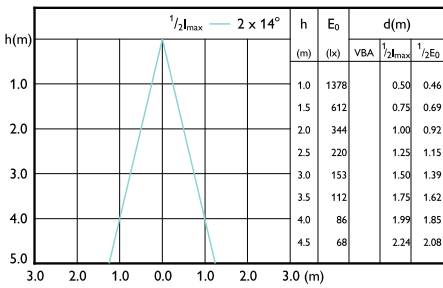
Beam diagram - MASTER LED 4.9-50W 3000K MR16 24D



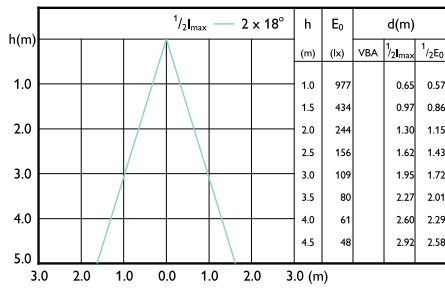
Beam diagram - MASTER LED 5.5-50W 2700K MR16 24D



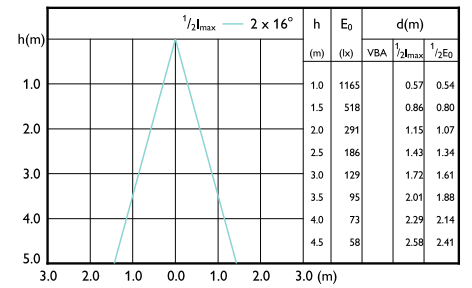
Beam diagram - MASTER LED 5.5-50W 3000K MR16 24D



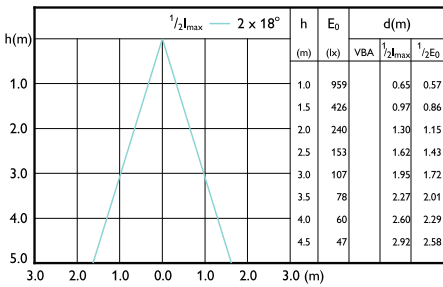
Beam diagram - MASTER LED 4.9-50W 4000K MR16 24D



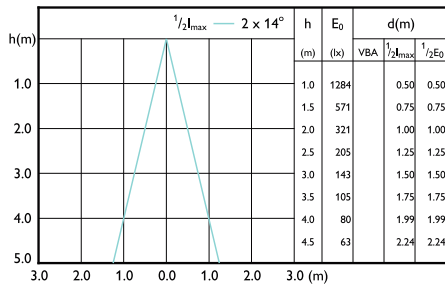
Beam diagram - MASTER LED 4.9-50W 4000K MR16 36D



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



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



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

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