



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
- 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)

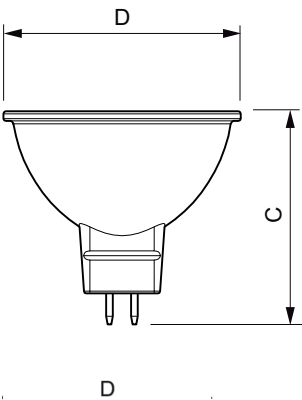
Warnings and Safety

- 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



Dimensional drawing

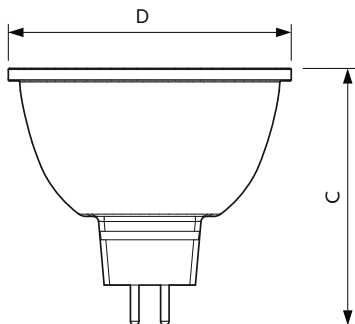
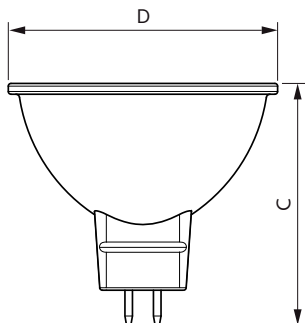


Product	D	C
MAS LED spot VLE D 5.5-35W MR16 827 60D	50.5 mm	45 mm
MAS LED spot VLE D 5.5-35W MR16 830 36D	50.5 mm	45 mm
MAS LED spot VLE D 5.5-35W MR16 840 36D	50.5 mm	45 mm
MAS LED spot VLE D 5.5-35W MR16 827 36D	50.5 mm	45 mm

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

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Dimensional drawing



Product	D	C
MAS LEDspotLV DimTone 7-50W MR16 36D	50.5 mm	45.5 mm

Product	D	C
MAS LED SPOT VLE D 7-50W MR16 830 36D	50.5 mm	45 mm
MAS LED SPOT VLE D 7-50W MR16 827 36D	50.5 mm	45 mm
MAS LEDspotLV DimTone 5-35W MR16 36D	50.5 mm	44.5 mm
MAS LED SPOT VLE D 7-50W MR16 840 36D	50.5 mm	45 mm

Approval and Application

Energy Efficiency Label (EEL) A+

Operating and Electrical

Starting Time (Nom) 0.5 s

General Information

Switching Cycle 50000X

Light Technical

Colour 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
41019600	MAS LEDspotLV 3.5-20W 827 MR11 24D	4 kWh
70823100	MAS LED spot VLE D 5.5-35W MR16 827 36D	7 kWh
70825500	MAS LED spot VLE D 5.5-35W MR16 830 36D	7 kWh
70827900	MAS LED spot VLE D 5.5-35W MR16 840 36D	7 kWh
70829300	MAS LED spot VLE D 5.5-35W MR16 827 60D	7 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
81554000	MAS LED SPOT VLE D 7-50W MR16 827 36D	8 kWh
81556400	MAS LED SPOT VLE D 7-50W MR16 830 36D	8 kWh
81558800	MAS LED SPOT VLE D 7-50W MR16 840 36D	8 kWh
81538000	MAS LEDspotLV DimTone 5-35W MR16 36D	6 kWh
65820500	MAS LEDspotLV DimTone 7-50W MR16 36D	8 kWh

Controls and Dimming

MASTER VALUE LEDspot LV

Order Code	Full Product Name	Dimmable
41019600	MAS LEDspotLV 3.5-20W 827 MR11 24D	no
70823100	MAS LED spot VLE D 5.5-35W MR16 827 36D	Yes
70825500	MAS LED spot VLE D 5.5-35W MR16 830 36D	Yes
70827900	MAS LED spot VLE D 5.5-35W MR16 840 36D	Yes
70829300	MAS LED spot VLE D 5.5-35W MR16 827 60D	Yes

Order Code	Full Product Name	Dimmable
81554000	MAS LED SPOT VLE D 7-50W MR16 827 36D	Yes
81556400	MAS LED SPOT VLE D 7-50W MR16 830 36D	Yes
81558800	MAS LED SPOT VLE D 7-50W MR16 840 36D	Yes
81538000	MAS LEDspotLV DimTone 5-35W MR16 36D	Yes
65820500	MAS LEDspotLV DimTone 7-50W MR16 36D	Yes

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
41019600	MAS LEDspotLV 3.5-20W 827 MR11 24D	50 to 60 Hz	12 V	20 W	3.5 W
70823100	MAS LED spot VLE D 5.5-35W MR16 827 36D	-	ac Electronic 12 V	35 W	5.5 W
70825500	MAS LED spot VLE D 5.5-35W MR16 830 36D	-	ac Electronic 12 V	35 W	5.5 W
70827900	MAS LED spot VLE D 5.5-35W MR16 840 36D	-	ac Electronic 12 V	35 W	5.5 W
70829300	MAS LED spot VLE D 5.5-35W MR16 827 60D	-	ac Electronic 12 V	35 W	5.5 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
81554000	MAS LED SPOT VLE D 7-50W MR16 827 36D	-	12 V	50 W	7 W
81556400	MAS LED SPOT VLE D 7-50W MR16 830 36D	-	12 V	50 W	7 W
81558800	MAS LED SPOT VLE D 7-50W MR16 840 36D	-	12 V	50 W	7 W
81538000	MAS LEDspotLV DimTone 5-35W MR16 36D	-	AC Electronic 12 V	35 W	5 W
65820500	MAS LEDspotLV DimTone 7-50W MR16 36D	-	ac electronic 12 V	50 W	7 W

General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
41019600	MAS LEDspotLV 3.5-20W 827 MR11 24D	GU4	40000 h
70823100	MAS LED spot VLE D 5.5-35W MR16 827 36D	GU5.3	25000 h
70825500	MAS LED spot VLE D 5.5-35W MR16 830 36D	GU5.3	25000 h
70827900	MAS LED spot VLE D 5.5-35W MR16 840 36D	GU5.3	25000 h
70829300	MAS LED spot VLE D 5.5-35W MR16 827 60D	GU5.3	25000 h

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
81554000	MAS LED SPOT VLE D 7-50W MR16 827 36D	GU5.3	25000 h
81556400	MAS LED SPOT VLE D 7-50W MR16 830 36D	GU5.3	25000 h
81558800	MAS LED SPOT VLE D 7-50W MR16 840 36D	GU5.3	25000 h
81538000	MAS LEDspotLV DimTone 5-35W MR16 36D	GU5.3	25000 h
65820500	MAS LEDspotLV DimTone 7-50W MR16 36D	GU5.3	25000 h

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Colour Temperature Colour Code (Nom)	Luminous Flux (Nom)	Luminous Intensity (Nom)
41019600	MAS LEDspotLV 3.5-20W 827 MR11 24D	24 °	827 2700 K	210 lm	1000 cd
70823100	MAS LED spot VLE D 5.5-35W MR16 827 36D	36 °	827 2700 K	450 lm	1000 cd
70825500	MAS LED spot VLE D 5.5-35W MR16 830 36D	36 °	830 3000 K	460 lm	1000 cd
70827900	MAS LED spot VLE D 5.5-35W MR16 840 36D	36 °	840 4000 K	490 lm	1100 cd
70829300	MAS LED spot VLE D 5.5-35W MR16 827 60D	60 °	827 2700 K	450 lm	500 cd
81554000	MAS LED SPOT VLE D 7-50W MR16 827 36D	36 °	827 2700 K	621 lm	1500 cd

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Order Code	Full Product Name	Beam Angle (Nom)	Correlated Colour Temperature		Luminous Flux (Nom)	Luminous Intensity (Nom)
			Colour Code	(Nom)		
81556400	MAS LED SPOT VLE D 7-50W MR16 830 36D	36 °	830	3000 K	630 lm	1500 cd
81558800	MAS LED SPOT VLE D 7-50W MR16 840 36D	36 °	840	4000 K	660 lm	1650 cd
81538000	MAS LEDspotLV DimTone 5-35W MR16 36D	36 °	822-827	-	345 lm	600 cd
65820500	MAS LEDspotLV DimTone 7-50W MR16 36D	36 °	822-827	-	621 lm	1000 cd

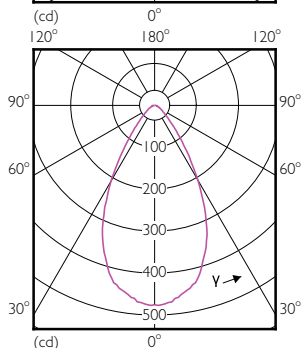
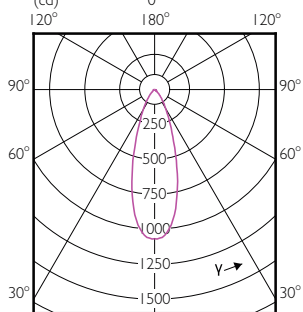
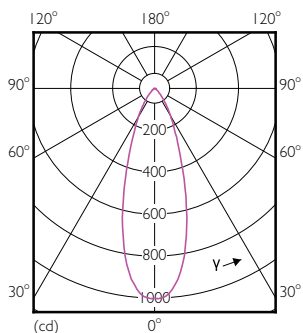
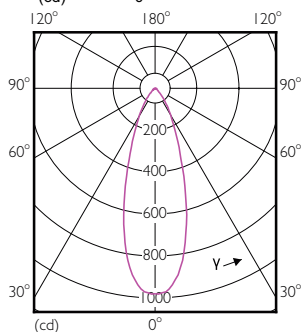
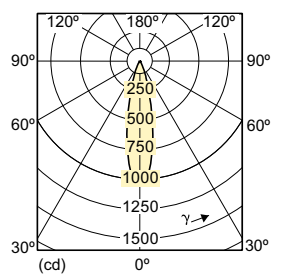
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
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70823100	MAS LED spot VLE D 5.5-35W MR16 827 36D	MR16
70825500	MAS LED spot VLE D 5.5-35W MR16 830 36D	MR16
70827900	MAS LED spot VLE D 5.5-35W MR16 840 36D	MR16
70829300	MAS LED spot VLE D 5.5-35W MR16 827 60D	MR16

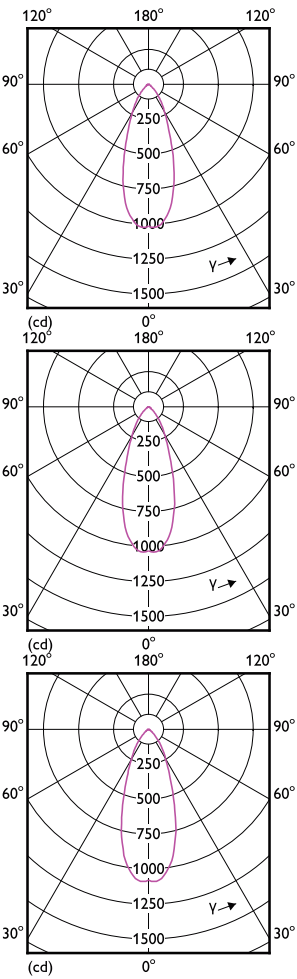
Order Code	Full Product Name	Bulb Shape
81554000	MAS LED SPOT VLE D 7-50W MR16 827 36D	MR16
81556400	MAS LED SPOT VLE D 7-50W MR16 830 36D	MR16
81558800	MAS LED SPOT VLE D 7-50W MR16 840 36D	MR16
81538000	MAS LEDspotLV DimTone 5-35W MR16 36D	MR16
65820500	MAS LEDspotLV DimTone 7-50W MR16 36D	MR16

Temperature

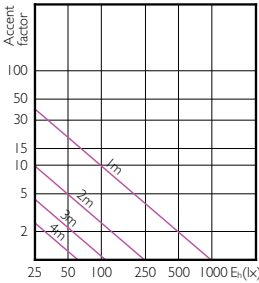
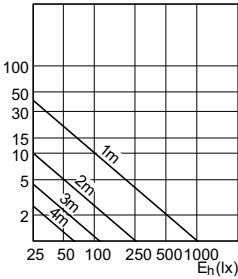
Order Code	Full Product Name	T-Case Maximum (Nom)
41019600	MAS LEDspotLV 3.5-20W 827 MR11 24D	94 °C
70823100	MAS LED spot VLE D 5.5-35W MR16 827 36D	95 °C
70825500	MAS LED spot VLE D 5.5-35W MR16 830 36D	95 °C
70827900	MAS LED spot VLE D 5.5-35W MR16 840 36D	95 °C
70829300	MAS LED spot VLE D 5.5-35W MR16 827 60D	95 °C
81554000	MAS LED SPOT VLE D 7-50W MR16 827 36D	85 °C
81556400	MAS LED SPOT VLE D 7-50W MR16 830 36D	85 °C
81558800	MAS LED SPOT VLE D 7-50W MR16 840 36D	85 °C
81538000	MAS LEDspotLV DimTone 5-35W MR16 36D	70 °C
65820500	MAS LEDspotLV DimTone 7-50W MR16 36D	86 °C



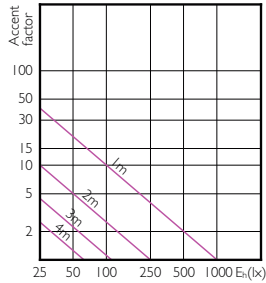
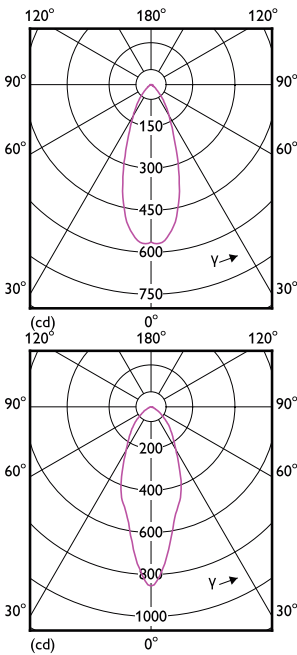
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Accent Diagrams

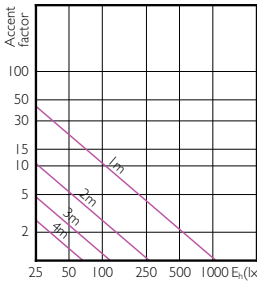


MAS VLE LEDspotLV 35W GU5-3 827 36D MR16

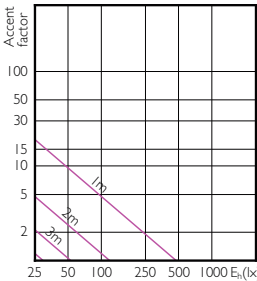


MAS VLE LEDspotLV 35W GU5-3 830 36D MR16

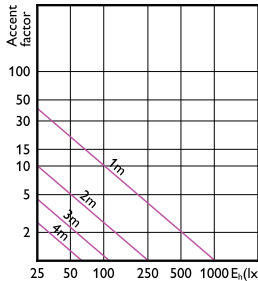
Accent Diagrams



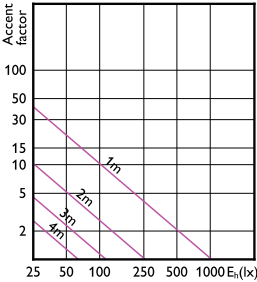
MAS VLE LEDspotLV 35W GU5-3 840 36D MR16



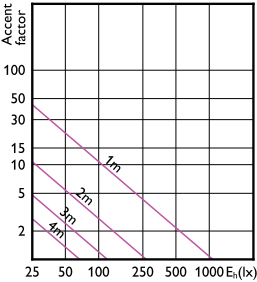
MAS VLE LEDspotLV 35W GU5-3 827 60D MR16



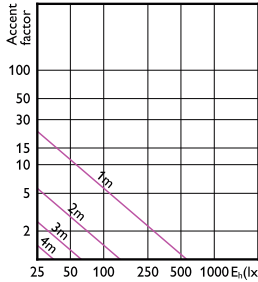
LEDspot MAS VLE 7-50W GU5.3 MR16 827 36D
DIM



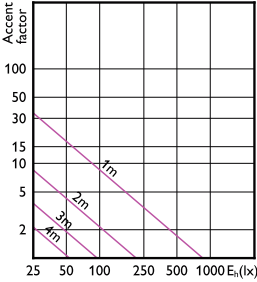
LEDspot MAS VLE 7-50W GU5.3 MR16 830 36D
DIM



LEDspot MAS VLE 7-50W GU5.3 MR16 840 36D
DIM



LEDspot MAS 5-35W GU5.3 MR16 822-827 36D
DIM



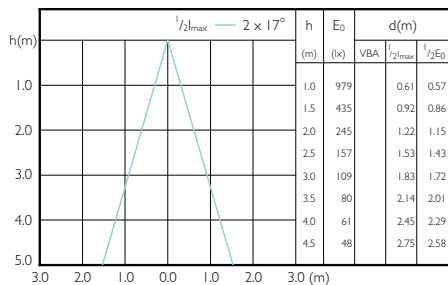
LEDSpot MR16 GU5.3

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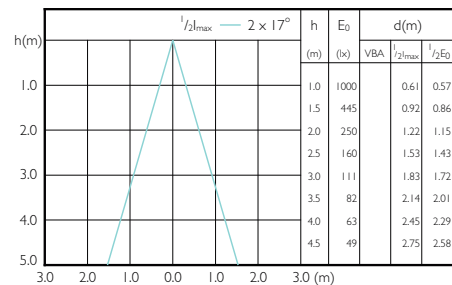
Beam Diagrams



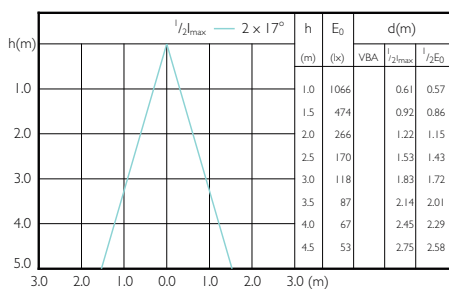
SDBE_LEDspotL_0101-Beam diagram



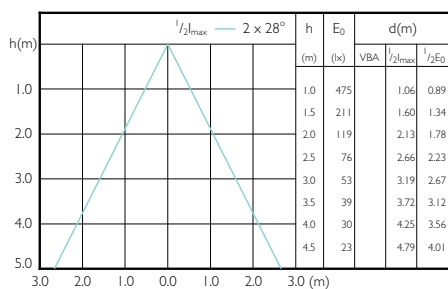
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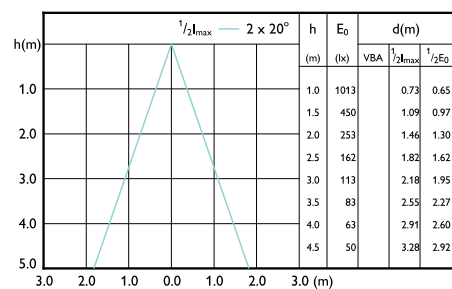
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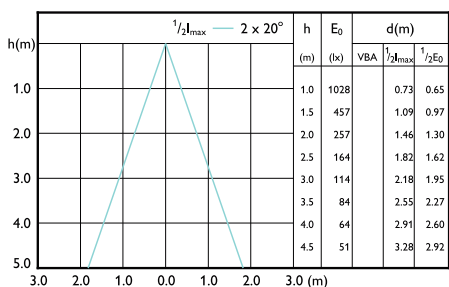
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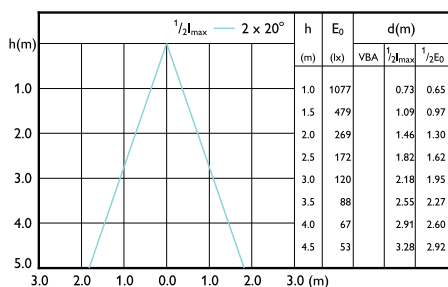
MAS VLE LEDspotLV 35W GU5-3 827 60D MR16



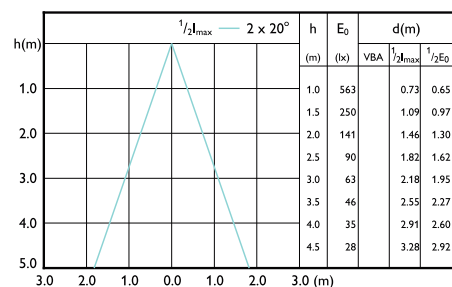
LEDspot MAS VLE 7-50W GU5.3 MR16 827 36D DIM



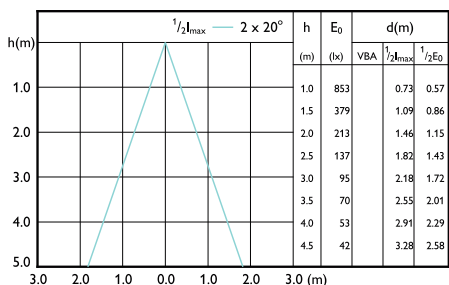
LEDspot MAS VLE 7-50W GU5.3 MR16 830 36D DIM



LEDspot MAS VLE 7-50W GU5.3 MR16 840 36D DIM



LEDspot MAS 5-35W GU5.3 MR16 822-827 36D DIM



LEDspot MR16 GU5.3

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