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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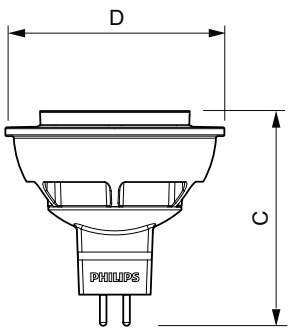
Dimensional drawing



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

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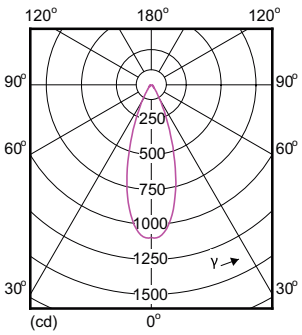
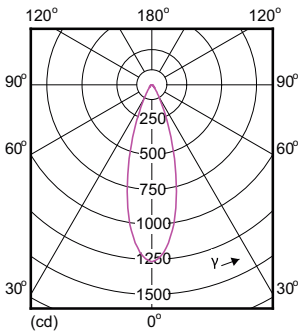
General Information	
Cap-Base	GU5.3
Light Technical	
Beam Angle (Nom)	36 degree(s)
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Intensity (Nom)	1,000 cd
Operating and Electrical	
Input Frequency	- Hz
Voltage (Nom)	12 V
Starting Time (Nom)	0.5 s
Temperature	
T-Case Maximum (Nom)	95 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	MR16
Approval and Application	
Energy Consumption kWh/1000 h	- kWh

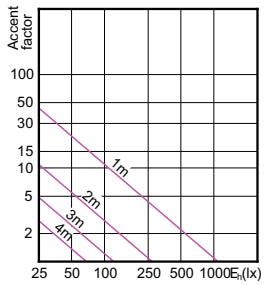
Light Technical

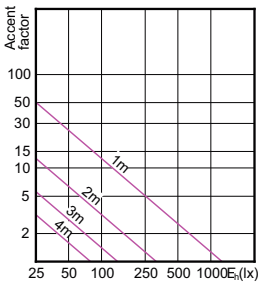
Order Code	Full Product Name	Correlated Color Temperature (Nom)
929001146108	MASTER LED 5.5-50W 2700K MR16 36D	2700 K
929001146908	MASTER LED 5.5-50W 4000K MR16 36D	4000 K





Accent Diagrams





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

Accent Diagram - MASTER LED 5.5-50W 4000K MR16 36D

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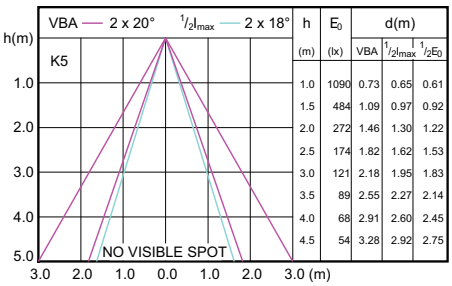
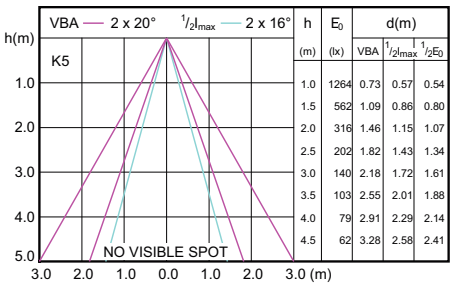
Beam Diagrams



h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.0	1090	0.73	0.65	0.61
1.5	484	1.09	0.97	0.92
2.0	272	1.46	1.30	1.22
2.5	174	1.82	1.62	1.53
3.0	121	2.18	1.95	1.83
3.5	89	2.55	2.27	2.14
4.0	68	2.91	2.60	2.45
4.5	54	3.28	2.92	2.75

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



h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.0	1264	0.73	0.57	0.54
1.5	562	1.09	0.86	0.80
2.0	316	1.46	1.15	1.07
2.5	202	1.82	1.43	1.34
3.0	140	2.18	1.72	1.61
3.5	103	2.55	2.01	1.88
4.0	79	2.91	2.29	2.14
4.5	62	3.28	2.58	2.41

Beam diagram - MASTER LED 5.5-50W 4000K MR16 36D