



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
- Retrofittable with low-voltage MR16 halogen lamps with GU5.3 socket

Features

- dimmable (the 7-35W and 10-50W versions)
- patented intelligent driver
- air movement mechanism (active fan cooling) with very low sound levels
- lifetime of 25,000 to 45,000 hours
- CRI90 (MR11 only)

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
- 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

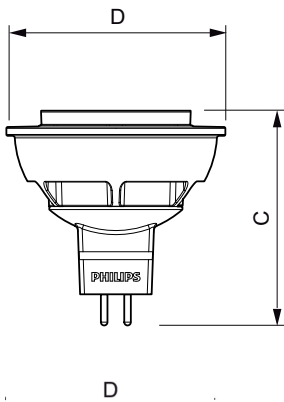


GU4 MR11



GU5.3 MR16

Dimensional drawing



Product

MAS LEDspotLV DimTone 6.5-35W MR16 36D

MAS LEDspotLV DimTone 6.5-35W MR16 24D

Product

MAS LEDspotLV 3.5-20W 827 MR11 24D

D

35 mm

C

40 mm

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Operating and Electrical

Input Frequency	50 to 60 Hz
Voltage (Nom)	12 V
Starting Time (Nom)	0.5 s

General Information

Switching Cycle	50000X
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Light Technical

Correlated Color Temperature (Nom)	2700 K
Color 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	Energy Efficiency Label (EEL)
302463	MASTER LEDspotLV 3.5W 827 MR11 24D 12/1	4 kWh	A+
304840	MAS LEDspotLV DimTone 6.5-35W MR16 24D	7 kWh	A

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
304741	MAS LEDspotLV DimTone 6.5-35W MR16 36D	7 kWh	A

Controls and Dimming

Order Code	Full Product Name	Dimmable
302463	MASTER LEDspotLV 3.5W 827 MR11 24D 12/1	No
304840	MAS LEDspotLV DimTone 6.5-35W MR16 24D	Yes

Order Code	Full Product Name	Dimmable
304741	MAS LEDspotLV DimTone 6.5-35W MR16 36D	Yes

Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
302463	MASTER LEDspotLV 3.5W 827 MR11 24D 12/1	20 W	3.5 W
304840	MAS LEDspotLV DimTone 6.5-35W MR16 24D	35 W	6.5 W

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
304741	MAS LEDspotLV DimTone 6.5-35W MR16 36D	35 W	6.5 W

General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
302463	MASTER LEDspotLV 3.5W 827 MR11 24D 12/1	GU4	40000 h
304840	MAS LEDspotLV DimTone 6.5-35W MR16 24D	GU5.3	25000 h

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
304741	MAS LEDspotLV DimTone 6.5-35W MR16 36D	GU5.3	25000 h

Light Technical

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Order Code	Full Product Name	Beam		Luminous	
		Angle (Nom)	Color Code	Luminous Flux (Nom)	Luminous Intensity (Nom)
302463	MASTER LEDspotLV 3.5W 827 MR11 24D 12/1	24 °	827	210 lm	1000 cd
304840	MAS LEDspotLV DimTone 6.5-35W MR16 24D	24 °	822-827	410 lm	1800 cd

Order Code	Full Product Name	Beam		Luminous	
		Angle (Nom)	Color Code	Luminous Flux (Nom)	Luminous Intensity (Nom)
304741	MAS LEDspotLV DimTone 6.5-35W MR16 36D	36 °	822-827	410 lm	900 cd

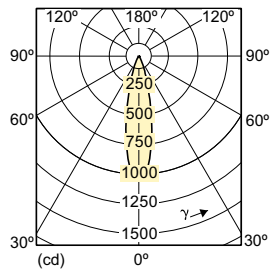
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
302463	MASTER LEDspotLV 3.5W 827 MR11 24D 12/1	MR11
304840	MAS LEDspotLV DimTone 6.5-35W MR16 24D	MR16

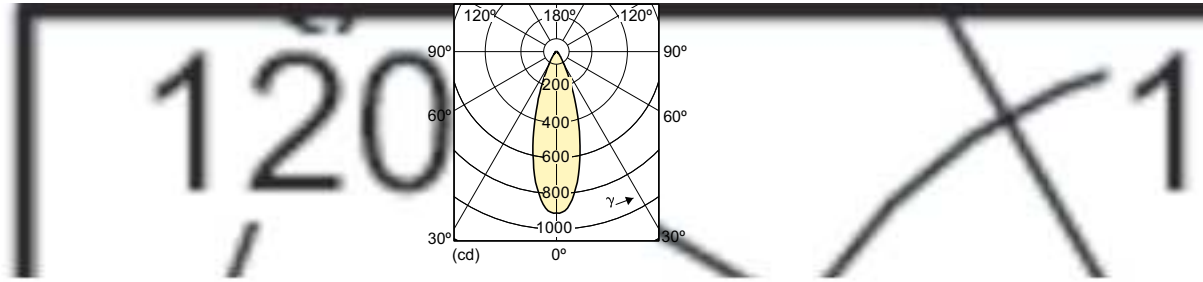
Order Code	Full Product Name	Bulb Shape
304741	MAS LEDspotLV DimTone 6.5-35W MR16 36D	MR16

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
302463	MASTER LEDspotLV 3.5W 827 MR11 24D 12/1	94 °C
304840	MAS LEDspotLV DimTone 6.5-35W MR16 24D	-
304741	MAS LEDspotLV DimTone 6.5-35W MR16 36D	-

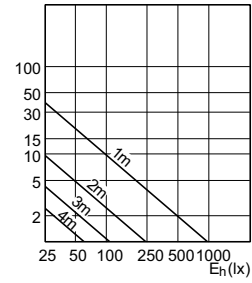
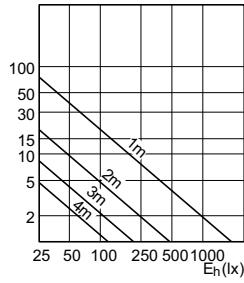
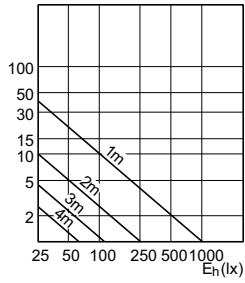


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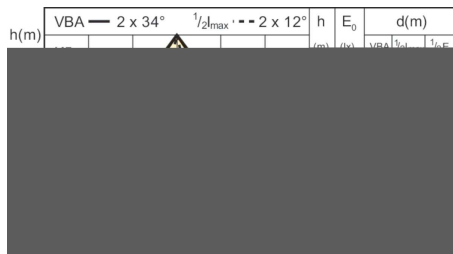
MASTER VALUE LEDspot LV

Accent Diagrams

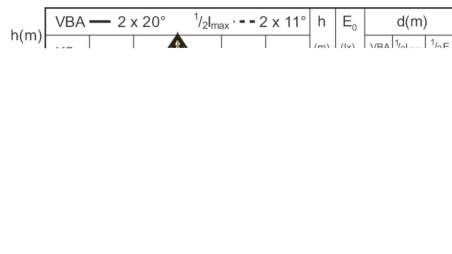


SDAC_LEDspotL_0109-Accent diagram

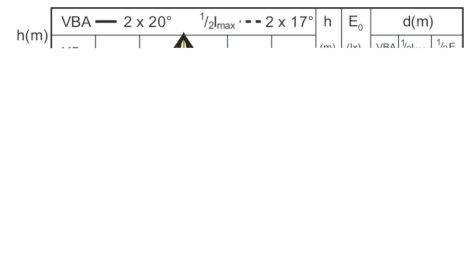
Beam Diagrams



SDBE_LEDspotL_0101-Beam diagram



SDBE_LEDspotL_0108-Beam diagram



SDBE_LEDspotL_0109-Beam diagram

