



Strong performance spot light for retrofit MR16 halogen spots

MASTER LEDspot LV

Delivering intense accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot lighting. MASTER LEDspot LV is designed to replace halogen or incandescent spots. It realizes natural colors, enables cozy and comfortable ambience for residential, hospitality and emphasizes the beauty of merchandise in retail. New smaller housing provides perfect fitting with majority of luminaires in a market with a MR16 GU 5.3 holder. It not only employs Philips' patented solution to guarantee the broadest possible compatibility with standard 12V halogen electronic transformers, it also delivers high beam intensity which is equivalent to halogen MR16 spots. The dimming function enables to create the desired atmosphere and it works with broad selection of dimmers. Its high SDCM ensure stricter color consistency, that is maintained over product life. MASTER LEDspot LV delivers huge energy savings and minimizes maintenance cost without any compromise on light quality and lifetime, enabling residential and business owners to achieve a return on their investment within short period time.

Benefits

- High intensity of beam for accent lighting in professional applications
- Strong brightness maintained over time
- More natural colors realised for cozy ambience for hospitality and better merchandise display in retail application

MASTER LEDspot LV

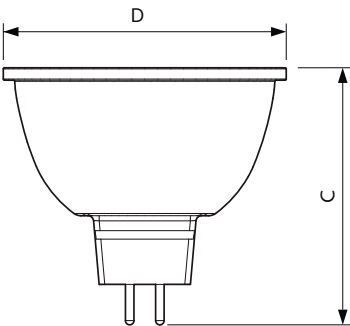
Features

- High intensity of beam equivalent to halogen spots
- Better color realisation with high CRI value, and strong color consistency over time
- Clearly defined beam spread for accent lighting
- Compatible with an extensive range of transformers and smooth dimming for dimmable products
- High lumen maintenance with long lifetime up to 40,000 hours

Application

- Home: Living room, bed room, hall way
- Hospitality: Hotel guest room, corridors, lobby, reception area, restaurant, bars, cafes
- Retail: Exhibitions, display cabinets, shops, dressing room, check out area

Dimensional drawing



Product	D	C
MAS LEDspotLV D 7.5-50W 927 MR16 24D	50 mm	45.5 mm
MAS LEDspotLV D 7.5-50W 927 MR16 36D	50 mm	45.5 mm
MAS LEDspotLV D 7.5-50W 930 MR16 24D	50 mm	45.5 mm
MAS LEDspotLV D 7.5-50W 930 MR16 36D	50 mm	45.5 mm
MAS LEDspotLV D 7.5-50W 940 MR16 24D	50 mm	45.5 mm
MAS LEDspotLV D 7.5-50W 940 MR16 36D	50 mm	45.5 mm

MASTER LEDspot LV

General Information

Cap-Base	GU5.3
Switching Cycle	50,000
Nominal lifetime	40,000 hour(s)

Light Technical

Color rendering index (CRI)	90
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Input Frequency	- Hz
Line Frequency	- Hz
Power Consumption	7.5 W
Starting Time (Nom)	0.5 s
Wattage Equivalent	50 W

Temperature

T-Case Maximum (Nom)	90 °C
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Controls and Dimming

Dimmable	Only with specific dimmers
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Mechanical and Housing

Bulb Shape	MR16
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Approval and Application

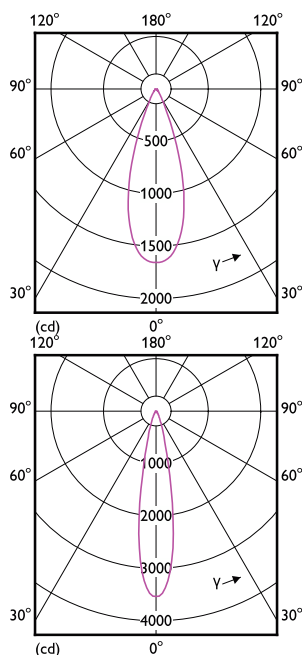
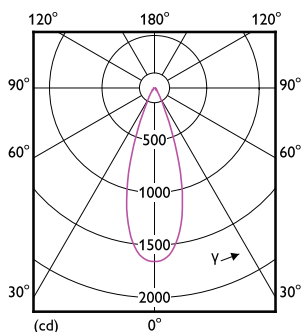
Energy Consumption kWh/1000 h	8 kWh
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Light Technical (1/2)

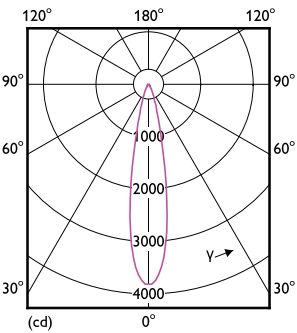
Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
30746900	MAS LEDspotLV D 7.5-50W 927 MR16 24D	24 degree(s)	2700 K	927	621 lm
30748300	MAS LEDspotLV D 7.5-50W 930 MR16 24D	24 degree(s)	3000 K	930	621 lm
30750600	MAS LEDspotLV D 7.5-50W 940 MR16 24D	24 degree(s)	4000 K	940	670 lm
30752000	MAS LEDspotLV D 7.5-50W 927 MR16 36D	36 degree(s)	2700 K	927	621 lm
30754400	MAS LEDspotLV D 7.5-50W 930 MR16 36D	36 degree(s)	3000 K	930	621 lm
30756800	MAS LEDspotLV D 7.5-50W 940 MR16 36D	36 degree(s)	4000 K	940	670 lm

Light Technical (2/2)

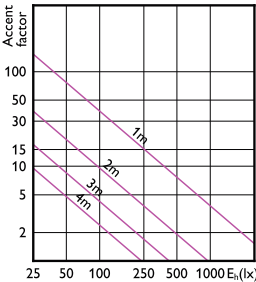
Order Code	Full Product Name	Luminous Intensity (Nom)
30746900	MAS LEDspotLV D 7.5-50W 927 MR16 24D	3,900 cd
30748300	MAS LEDspotLV D 7.5-50W 930 MR16 24D	4,000 cd
30750600	MAS LEDspotLV D 7.5-50W 940 MR16 24D	4,400 cd
30752000	MAS LEDspotLV D 7.5-50W 927 MR16 36D	1,850 cd
30754400	MAS LEDspotLV D 7.5-50W 930 MR16 36D	2,000 cd
30756800	MAS LEDspotLV D 7.5-50W 940 MR16 36D	2,200 cd



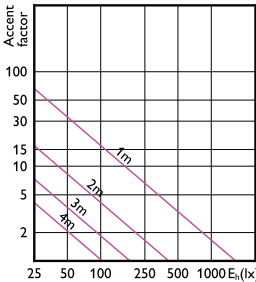
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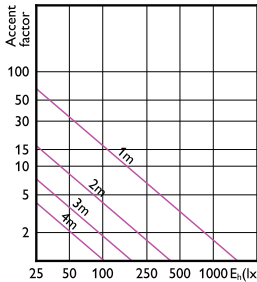
Accent Diagrams



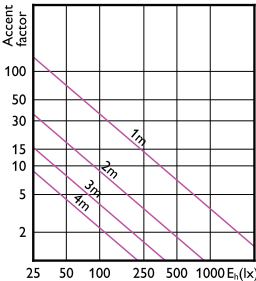
Accent Diagram - MAS LEDspotLV D 7.5-50W
940 MR16 24D



Accent Diagram - MAS LEDspotLV D 7.5-50W
940 MR16 36D

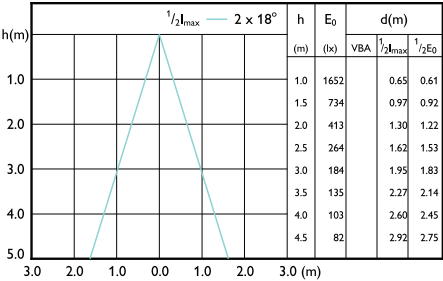


Accent Diagram - MAS LEDspotLV D 7.5-50W
927 MR16 36D

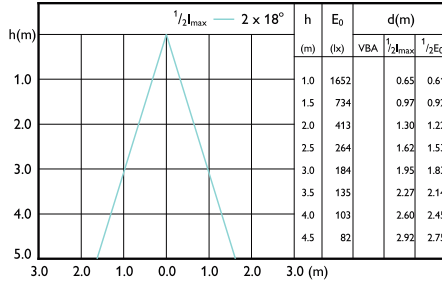


Accent Diagram - MAS LEDspotLV D 7.5-50W
927 MR16 24D

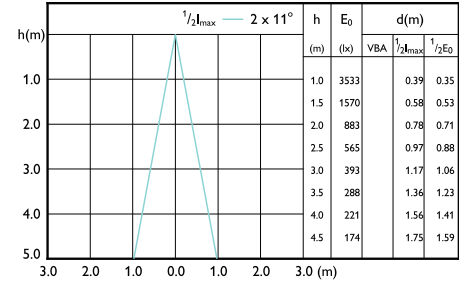
Beam Diagrams



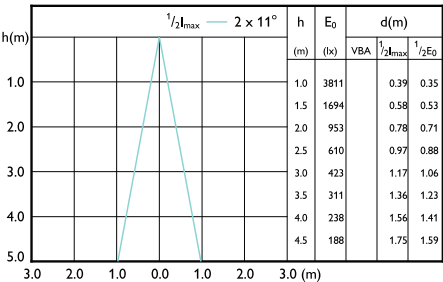
Beam diagram - MAS LEDspotLV D 7.5-50W
940 MR16 36D



Beam diagram - MAS LEDspotLV D 7.5-50W
927 MR16 36D



Beam diagram - MAS LEDspotLV D 7.5-50W
927 MR16 24D



Beam diagram - MAS LEDspotLV D 7.5-50W
940 MR16 24D

