



MASTER LEDspot LV AR111 – Ideal solution for spot lighting in shops

MASTER LEDspot LV AR111

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV AR111 is an ideal retrofit solution for spot and general lighting applications in the hospitality and retail industry. It is particularly suitable for general lighting where the light is on all the time, such as creative accent lighting applications in shops, restaurants, hotels, and especially for galleries, exhibitions and museums. The robustly designed MASTER LEDspot LV AR111 offers various 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. MASTER LEDspot LV AR111 delivers huge energy savings and minimises maintenance cost without any reduction in brightness.

Benefits

- Up to 80% energy saving compared with halogen lamps
- Broad compatibility with transformers
- Retrofittable

Features

- Patented intelligent driver
- Lifetime of 45,000 hours
- Low energy consumption
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

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Application

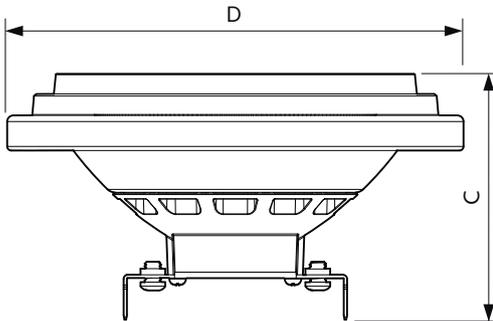
- Shops, hotels, restaurants, bars, cafés
- Galleries, museums, exhibitions, lobbies, corridors, stairwells, washrooms, reception areas

Versions



LEDclassic 5-50W MR16 830 60D

Dimensional drawing



Product	D	C
MAS LED ExpertColor 15-75W 927 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 15-75W 927 AR111 40D	111 mm	62 mm
MAS LED SpotLV 20-100W 930 AR111 12D	111 mm	62 mm
MAS LED SpotLV 20-100W 940 AR111 24D	111 mm	62 mm

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General Information

Cap-Base	G53
Switching Cycle	50,000

Light Technical

LLMF At End Of Nominal Lifetime (Nom)	70 %
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Operating and Electrical

Input Frequency	- Hz
Line Frequency	- Hz
Starting Time (Nom)	0.5 s

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Bulb Shape	AR111
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General Information

Order Code	Full Product Name	Nominal lifetime
929002239608	MAS LED SpotLV 20-100W 930 AR111 12D	25,000 hour(s)
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	40,000 hour(s)
929002239308	MAS LED ExpertColor 15-75W 927 AR111 40D	40,000 hour(s)
929002240008	MAS LED SpotLV 20-100W 940 AR111 24D	25,000 hour(s)

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated		
			Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929002239608	MAS LED SpotLV 20-100W 930 AR111 12D	12 degree(s)	3000 K	91	930
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	24 degree(s)	2700 K	97	927

Order Code	Full Product Name	Beam Angle (Nom)	Correlated		
			Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929002239308	MAS LED ExpertColor 15-75W 927 AR111 40D	40 degree(s)	2700 K	97	927
929002240008	MAS LED SpotLV 20-100W 940 AR111 24D	24 degree(s)	4000 K	91	940

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Luminous
			Intensity (Nom)
929002239608	MAS LED SpotLV 20-100W 930 AR111 12D	1,250 lm	8,000 cd
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	950 lm	3,500 cd

Order Code	Full Product Name	Luminous Flux	Luminous
			Intensity (Nom)
929002239308	MAS LED ExpertColor 15-75W 927 AR111 40D	950 lm	1,400 cd
929002240008	MAS LED SpotLV 20-100W 940 AR111 24D	1,350 lm	5,000 cd

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Wattage
			Equivalent
929002239608	MAS LED SpotLV 20-100W 930 AR111 12D	20 W	100 W
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	15 W	75 W

Order Code	Full Product Name	Power Consumption	Wattage
			Equivalent
929002239308	MAS LED ExpertColor 15-75W 927 AR111 40D	15 W	75 W
929002240008	MAS LED SpotLV 20-100W 940 AR111 24D	20 W	100 W

Temperature

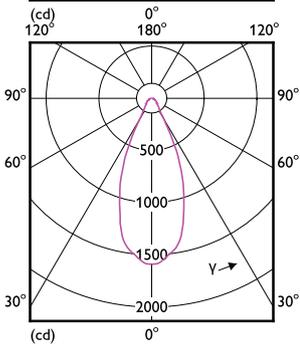
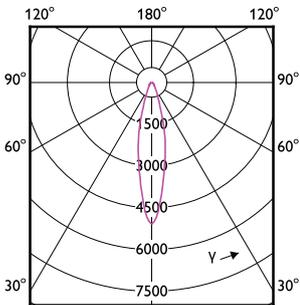
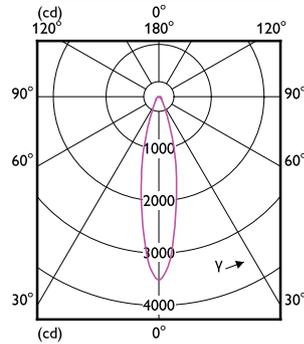
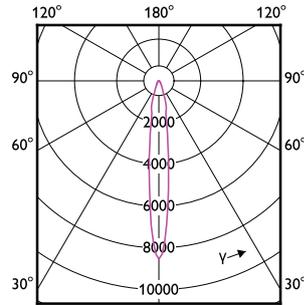
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Order Code	Full Product Name	T-Case Maximum (Nom)
929002239608	MAS LED SpotLV 20-100W 930 AR111 12D	80 °C
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	74 °C

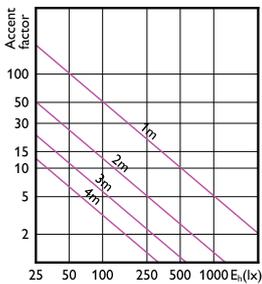
Order Code	Full Product Name	T-Case Maximum (Nom)
929002239308	MAS LED ExpertColor 15-75W 927 AR111 40D	74 °C
929002240008	MAS LED SpotLV 20-100W 940 AR111 24D	80 °C

Approval and Application

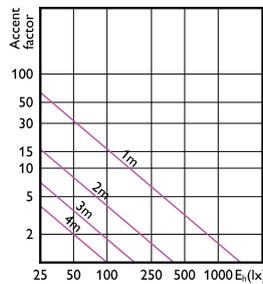
Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002239608	MAS LED SpotLV 20-100W 930 AR111 12D	22 kWh
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	17 kWh
929002239308	MAS LED ExpertColor 15-75W 927 AR111 40D	17 kWh
929002240008	MAS LED SpotLV 20-100W 940 AR111 24D	22 kWh



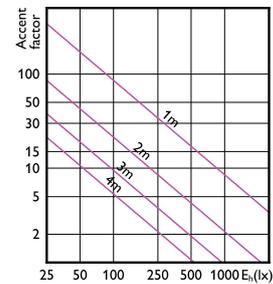
Accent Diagrams



Accent Diagram - MAS LED SpotLV 20-100W 940 AR111 24D



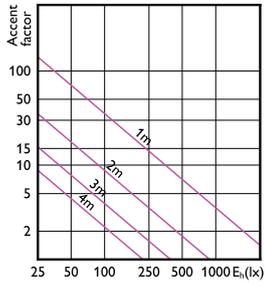
Accent Diagram - MAS LED ExpertColor 15-75W 927 AR111 40D



Accent Diagram - MAS LED SpotLV 20-100W 930 AR111 12D

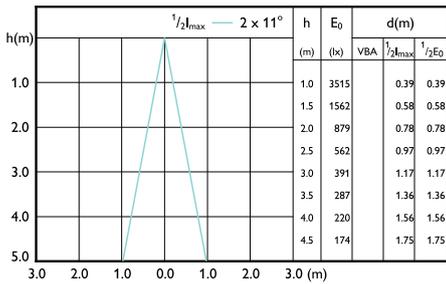
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Accent Diagrams

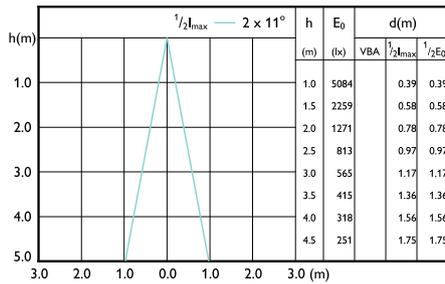


Accent Diagram - MAS LED ExpertColor 15-75W
927 AR111 24D

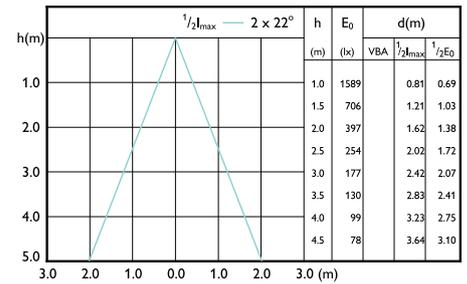
Beam Diagrams



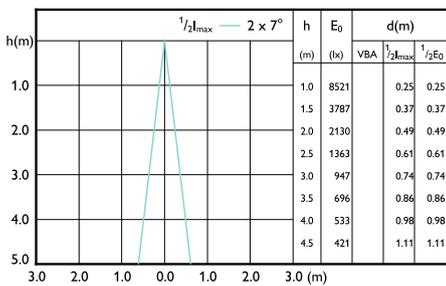
Beam diagram - MAS LED ExpertColor 15-75W
927 AR111 24D



Beam diagram - MAS LED SpotLV 20-100W
940 AR111 24D



Beam diagram - MAS LED ExpertColor 15-75W
927 AR111 40D



Beam diagram - MAS LED SpotLV 20-100W
930 AR111 12D

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