



# 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

# MASTER LEDspot LV AR111

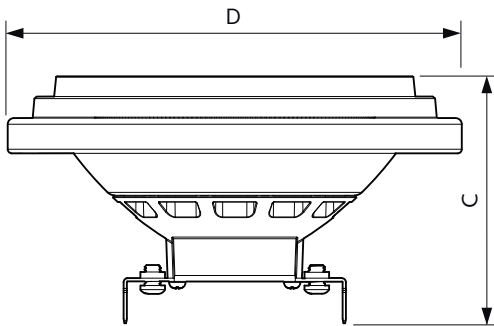
## Application

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

## Versions



## Dimensional drawing



Product	D	C
MAS LED ExpertColor 11-50W 930 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 15-75W 927 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 11-50W 930 AR111 40D	111 mm	62 mm
MAS LED ExpertColor 15-75W 930 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 15-75W 940 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 15-75W 940 AR111 40D	111 mm	62 mm
MAS LED ExpertColor 15-75W 927 AR111 40D	111 mm	62 mm

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## Controls and Dimming

Dimmable	Yes
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## Operating and Electrical

Input Frequency	- Hz
Voltage (Nom)	ac electronic 12 V
Starting Time (Nom)	0.5 s

## General Information

Cap-Base	G53
Nominal Lifetime (Nom)	40000 h
Switching Cycle	50,000X

## Light Technical

Colour Rendering Index (Nom)	97
Llmf At End Of Nominal Lifetime (Nom)	70 %

## Mechanical and Housing

Bulb Shape	AR111
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## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
69101100	MAS LED ExpertColor 11-50W 930 AR111 24D	13 kWh
68696300	MAS LED ExpertColor 11-50W 930 AR111 40D	13 kWh
68698700	MAS LED ExpertColor 15-75W 927 AR111 24D	17 kWh
68700700	MAS LED ExpertColor 15-75W 930 AR111 24D	17 kWh
68708300	MAS LED ExpertColor 15-75W 940 AR111 24D	17 kWh
68702100	MAS LED ExpertColor 15-75W 927 AR111 40D	17 kWh
68710600	MAS LED ExpertColor 15-75W 940 AR111 40D	17 kWh

## Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
69101100	MAS LED ExpertColor 11-50W 930 AR111 24D	50 W	11 W
68696300	MAS LED ExpertColor 11-50W 930 AR111 40D	50 W	11 W
68698700	MAS LED ExpertColor 15-75W 927 AR111 24D	75 W	15 W
68700700	MAS LED ExpertColor 15-75W 930 AR111 24D	75 W	15 W

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
68708300	MAS LED ExpertColor 15-75W 940 AR111 24D	75 W	15 W
68702100	MAS LED ExpertColor 15-75W 927 AR111 40D	75 W	15 W
68710600	MAS LED ExpertColor 15-75W 940 AR111 40D	75 W	15 W

## Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Colour		
			Colour Code	Temperature (Nom)	Luminous Flux (Nom)
69101100	MAS LED ExpertColor 11-50W 930 AR111 24D	24 °	930	3000 K	620 lm
68696300	MAS LED ExpertColor 11-50W 930 AR111 40D	40 °	930	3000 K	620 lm
68698700	MAS LED ExpertColor 15-75W 927 AR111 24D	24 °	927	2700 K	830 lm
68700700	MAS LED ExpertColor 15-75W 930 AR111 24D	24 °	930	3000 K	850 lm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Colour		
			Colour Code	Temperature (Nom)	Luminous Flux (Nom)
68708300	MAS LED ExpertColor 15-75W 940 AR111 24D	24 °	940	4000 K	950 lm
68702100	MAS LED ExpertColor 15-75W 927 AR111 40D	40 °	927	2700 K	850 lm
68710600	MAS LED ExpertColor 15-75W 940 AR111 40D	40 °	940	4000 K	980 lm

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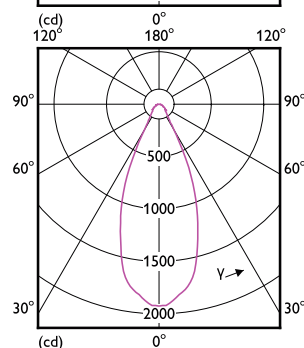
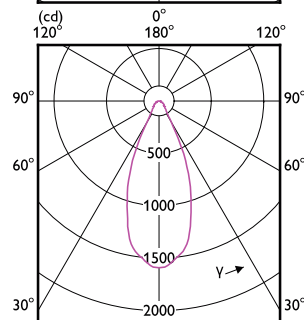
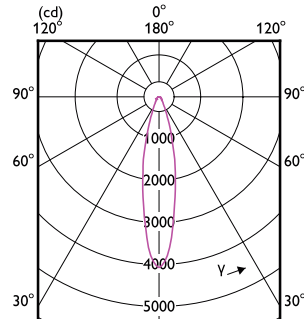
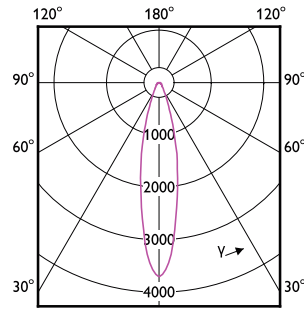
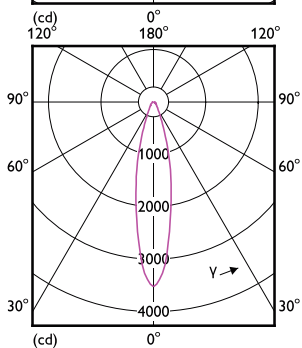
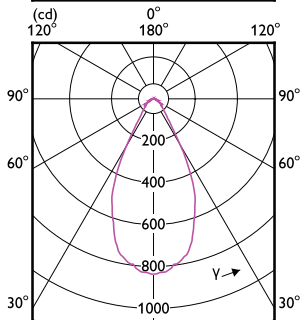
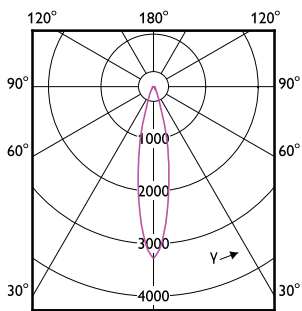
## Light Technical (2/2)

Order Code	Full Product Name	Luminous Intensity (Nom)
69101100	MAS LED ExpertColor 11-50W 930 AR111 24D	-
68696300	MAS LED ExpertColor 11-50W 930 AR111 40D	-
68698700	MAS LED ExpertColor 15-75W 927 AR111 24D	3500 cd
68700700	MAS LED ExpertColor 15-75W 930 AR111 24D	3500 cd

Order Code	Full Product Name	Luminous Intensity (Nom)
68708300	MAS LED ExpertColor 15-75W 940 AR111 24D	-
68702100	MAS LED ExpertColor 15-75W 927 AR111 40D	1400 cd
68710600	MAS LED ExpertColor 15-75W 940 AR111 40D	-

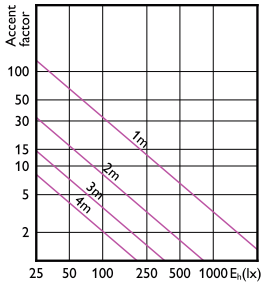
## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
69101100	MAS LED ExpertColor 11-50W 930 AR111 24D	70 °C
68696300	MAS LED ExpertColor 11-50W 930 AR111 40D	70 °C
68698700	MAS LED ExpertColor 15-75W 927 AR111 24D	74 °C
68700700	MAS LED ExpertColor 15-75W 930 AR111 24D	74 °C
68708300	MAS LED ExpertColor 15-75W 940 AR111 24D	74 °C
68702100	MAS LED ExpertColor 15-75W 927 AR111 40D	74 °C
68710600	MAS LED ExpertColor 15-75W 940 AR111 40D	74 °C

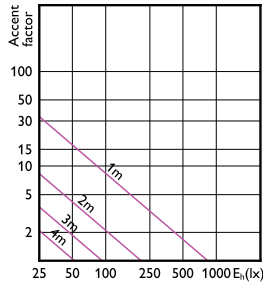


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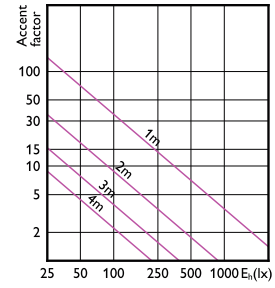
## Accent Diagrams



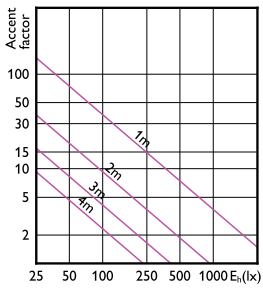
LEDspots 50W G53 AR111 930 24D



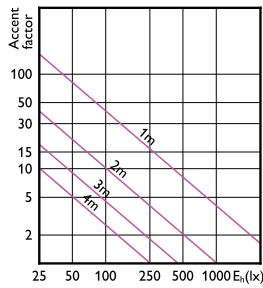
LEDspots 50W G53 AR111 930 40D



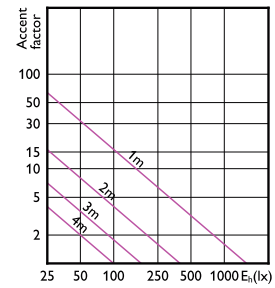
LEDspots 75W G53 AR111 927 24D



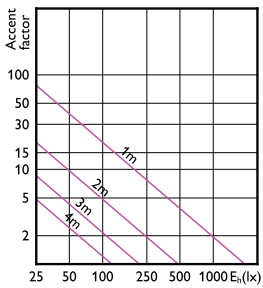
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LEDspots 75W G53 AR111 940 24D

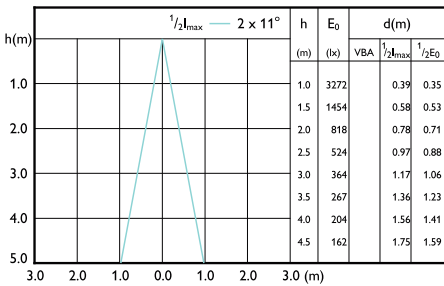


LEDspots 75W G53 AR111 927 40D

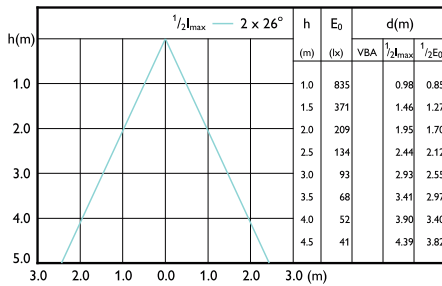


LEDspots 75W G53 AR111 940 40D

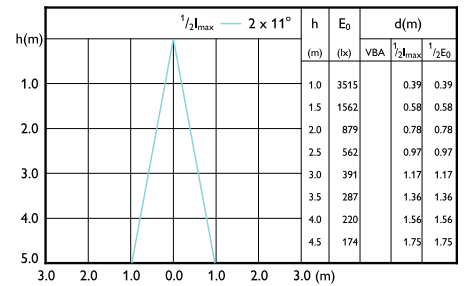
## Beam Diagrams



LEDspots 50W G53 AR111 930 24D



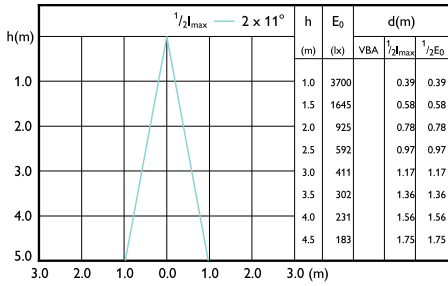
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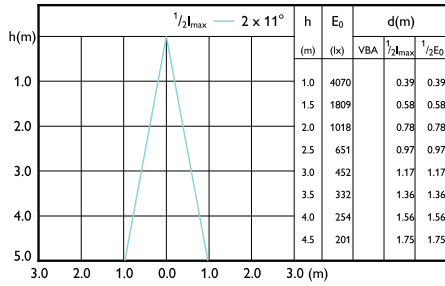
LEDspots 75W G53 AR111 927 24D

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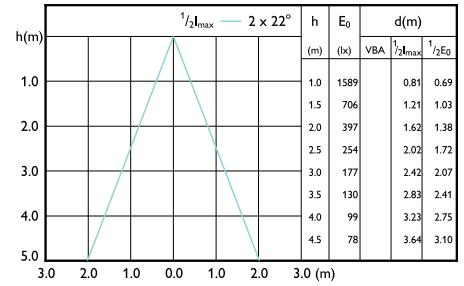
## Beam Diagrams



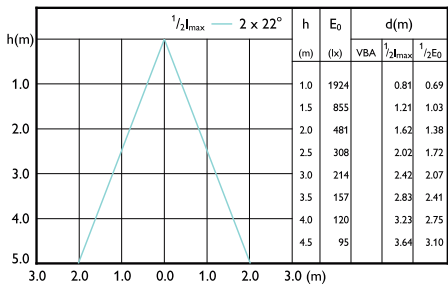
LEDspots 75W G53 AR111 930 24D



LEDspots 75W G53 AR111 940 24D



LEDspots 75W G53 AR111 927 40D



LEDspots 75W G53 AR111 940 40D

