



# 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 minimizes maintenance cost without any reduction in brightness.

### Benefits

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

### Features

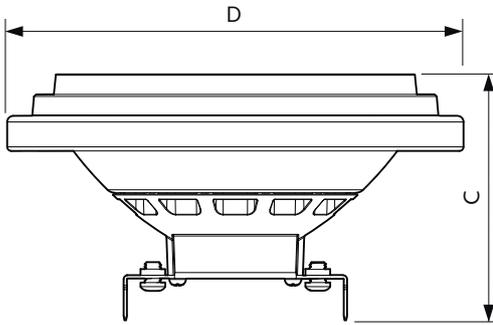
- Patented intelligent driver
- Lifetime of 45,000 hours
- Low energy consumption
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

# MASTER LEDspot LV AR111

## Application

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

## Dimensional drawing



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

### General Information

Cap-Base	G53
Switching Cycle	50,000
Nominal lifetime	40,000 hour(s)

### Light Technical

Color rendering index (CRI)	97
LLMF At End Of Nominal Lifetime (Nom)	70 %

### 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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## Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
69087800	MAS LED ExpertColor 11-50W 927 AR111 40D	40 degree(s)	2700 K	927	650 lm
69091500	MAS LED ExpertColor 15-75W 927 AR111 24D	24 degree(s)	2700 K	927	950 lm
69093900	MAS LED ExpertColor 15-75W 930 AR111 24D	24 degree(s)	3000 K	930	1,000 lm
69095300	MAS LED ExpertColor 15-75W 927 AR111 40D	40 degree(s)	2700 K	927	950 lm
69097700	MAS LED ExpertColor 15-75W 930 AR111 40D	40 degree(s)	3000 K	930	1,000 lm

## Light Technical (2/2)

Order Code	Full Product Name	Luminous Intensity (Nom)
69087800	MAS LED ExpertColor 11-50W 927 AR111 40D	1,300 cd
69091500	MAS LED ExpertColor 15-75W 927 AR111 24D	3,500 cd
69093900	MAS LED ExpertColor 15-75W 930 AR111 24D	3,500 cd

Order Code	Full Product Name	Luminous Intensity (Nom)
69095300	MAS LED ExpertColor 15-75W 927 AR111 40D	1,400 cd
69097700	MAS LED ExpertColor 15-75W 930 AR111 40D	1,400 cd

## Operating and Electrical

# MASTER LEDspot LV AR111

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
69087800	MAS LED ExpertColor 11-50W 927 AR111 40D	11 W	50 W
69091500	MAS LED ExpertColor 15-75W 927 AR111 24D	15 W	75 W
69093900	MAS LED ExpertColor 15-75W 930 AR111 24D	15 W	75 W

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
69095300	MAS LED ExpertColor 15-75W 927 AR111 40D	15 W	75 W
69097700	MAS LED ExpertColor 15-75W 930 AR111 40D	15 W	75 W

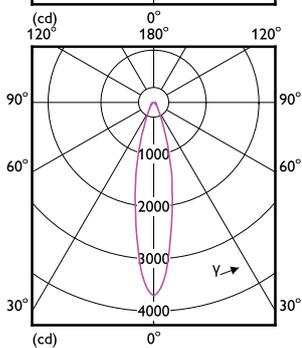
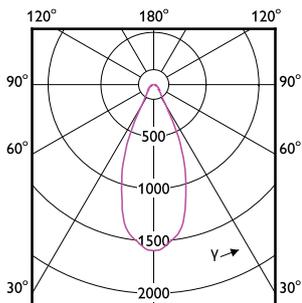
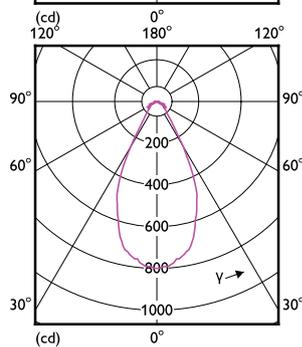
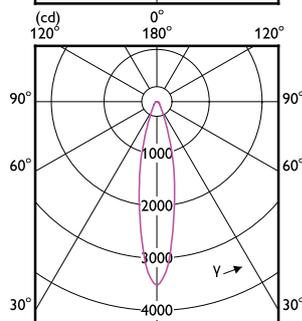
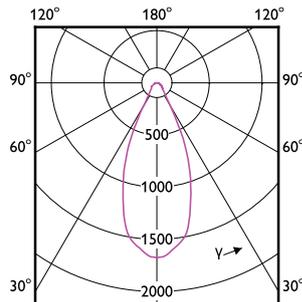
## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
69087800	MAS LED ExpertColor 11-50W 927 AR111 40D	70 °C
69091500	MAS LED ExpertColor 15-75W 927 AR111 24D	74 °C
69093900	MAS LED ExpertColor 15-75W 930 AR111 24D	74 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
69095300	MAS LED ExpertColor 15-75W 927 AR111 40D	74 °C
69097700	MAS LED ExpertColor 15-75W 930 AR111 40D	74 °C

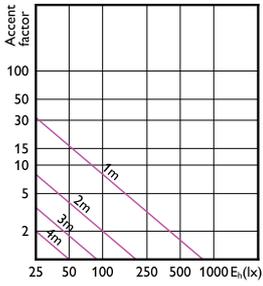
## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/
		1000 h
69087800	MAS LED ExpertColor 11-50W 927 AR111 40D	13 kWh
69091500	MAS LED ExpertColor 15-75W 927 AR111 24D	17 kWh
69093900	MAS LED ExpertColor 15-75W 930 AR111 24D	17 kWh
69095300	MAS LED ExpertColor 15-75W 927 AR111 40D	17 kWh
69097700	MAS LED ExpertColor 15-75W 930 AR111 40D	17 kWh

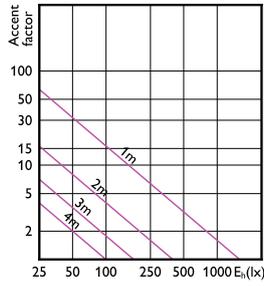


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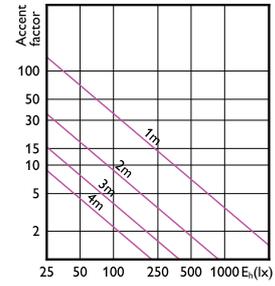
## Accent Diagrams



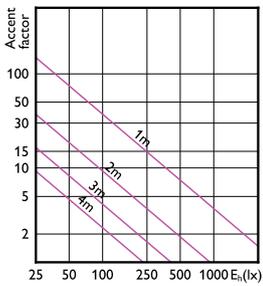
Accent Diagram - MAS LED ExpertColor 11-50W  
927 AR111 40D



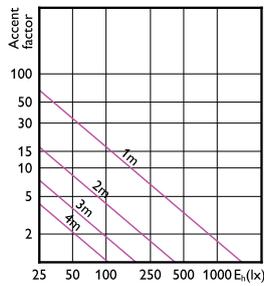
Accent Diagram - MAS LED ExpertColor 15-75W  
927 AR111 40D



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

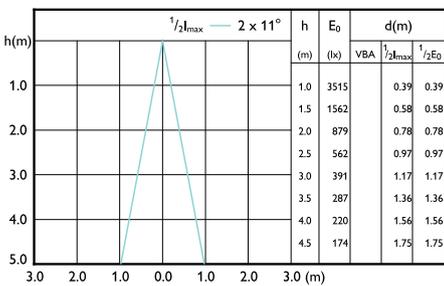


Accent Diagram - MAS LED ExpertColor 15-75W  
930 AR111 24D

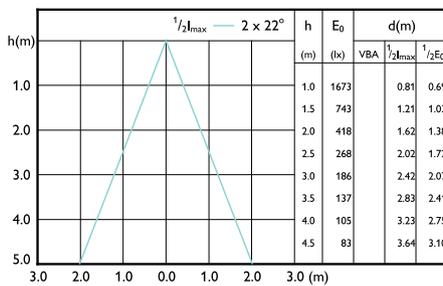


Accent Diagram - MAS LED ExpertColor 15-75W  
930 AR111 40D

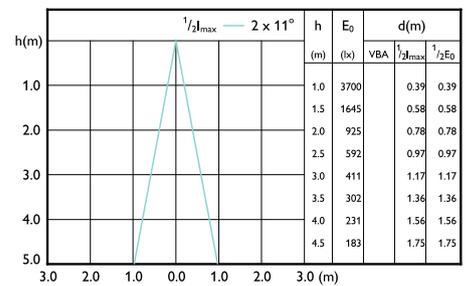
## Beam Diagrams



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



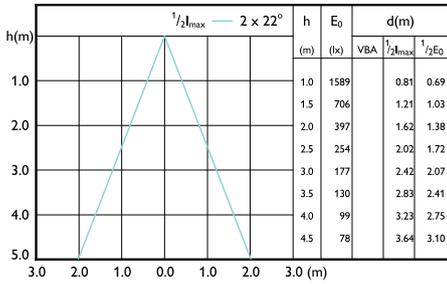
Beam diagram - MAS LED ExpertColor 15-75W  
930 AR111 40D



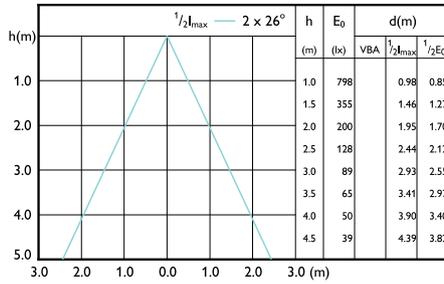
Beam diagram - MAS LED ExpertColor 15-75W  
930 AR111 24D

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## Beam Diagrams



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



Beam diagram - MAS LED ExpertColor 11-50W 927 AR111 40D

