



# 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

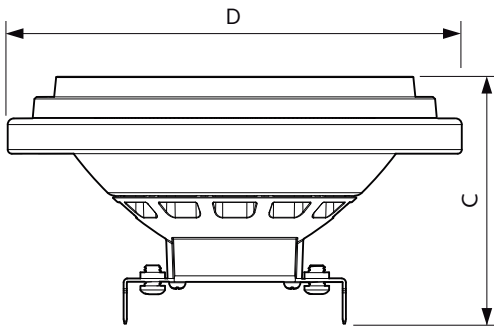
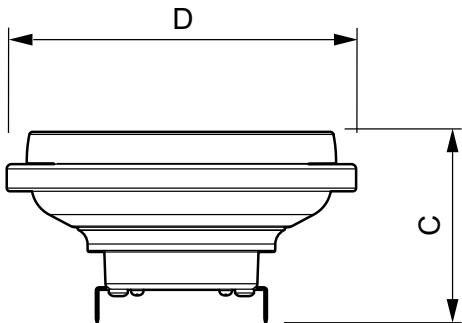
- Shops, hotels, restaurants, bars, cafés
- Galleries, museums, exhibitions, lobbies, corridors, stairwells, washrooms, reception areas

## Versions



G53

## Dimensional drawing



### Product

MAS LEDspotLV D 20-100W 830 AR111 12D

### Product

	D	C
MAS LED SpotLV 20-100W 927 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 15-75W 927 AR111 24D	111 mm	62 mm

# MASTER LEDspot LV AR111

Controls and Dimming	
Dimmable	Yes
Operating and Electrical	
Input Frequency	- Hz
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	G53
Switching Cycle	50,000X
Light Technical	
Llmf At End Of Nominal Lifetime (Nom)	70 %
Mechanical and Housing	
Bulb Shape	AR111

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929001170608	MAS LEDspotLV D 20-100W 830 AR111 12D	22 kWh	Not applicable
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	17 kWh	A

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929002239808	MAS LED SpotLV 20-100W 927 AR111 24D	22 kWh	A

## Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
929001170608	MAS LEDspotLV D 20-100W 830 AR111 12D	12 V	100 W	20 W
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	ac electronic 12 V	75 W	15 W

Order Code	Full Product Name	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
929002239808	MAS LED SpotLV 20-100W 927 AR111 24D	ac electronic 12 V	100 W	20 W

## General Information

Order Code	Full Product Name	Nominal Lifetime (Nom)
929001170608	MAS LEDspotLV D 20-100W 830 AR111 12D	25000 h
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	40000 h

Order Code	Full Product Name	Nominal Lifetime (Nom)
929002239808	MAS LED SpotLV 20-100W 927 AR111 24D	25000 h

## Light Technical

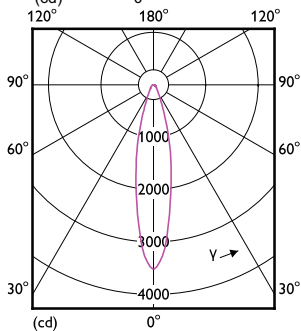
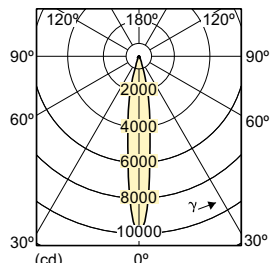
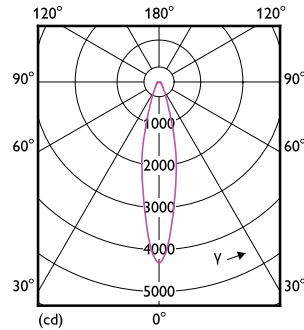
Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Flux (Nom)	Luminous Intensity (Nom)
929001170608	MAS LEDspotLV D 20-100W 830 AR111 12D	12 °	830	3000 K	80	1350 lm	10000 cd
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	24 °	927	2700 K	97	950 lm	3500 cd

# MASTER LEDspot LV AR111

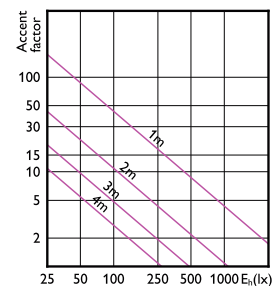
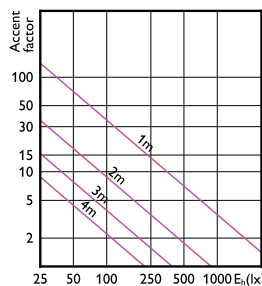
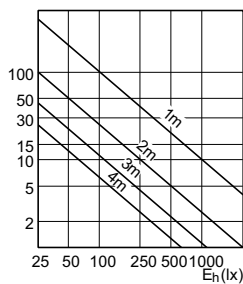
Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Flux (Nom)	Luminous Intensity (Nom)
929002239808	MAS LED SpotLV 20-100W 927 AR111 24D	24°	927	2700 K	91	1200 lm	4000 cd

## Temperature

Order Code	Full Product Name	T-Ambient (Max)	T-Ambient (Min)	T-Case Maximum (Nom)
929001170608	MAS LEDspotLV D 20-100W 830 AR111 12D	-	-	80 °C
929002239008	MAS LED ExpertColor 15-75W 927 AR111 24D	-	-	74 °C
929002239808	MAS LED SpotLV 20-100W 927 AR111 24D	45 °C	-20 °C	80 °C



## Accent Diagrams



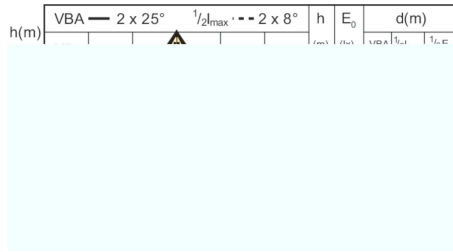
SDAC\_LEDspotL\_0143-Accent diagram

LEDspots 75W G53 AR111 927 24D

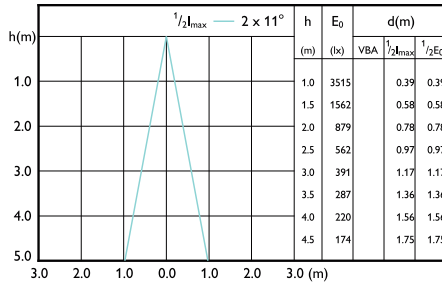
LEDspots 20W AR111 G53 927 24D

# MASTER LEDspot LV AR111

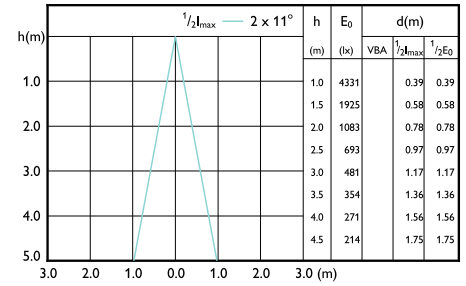
## Beam Diagrams



SDBE\_LEDspotL\_0143-Beam diagram



LEDspots 75W G53 AR111 927 24D



LEDspots 20W AR111 G53 927 24D

