



# 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

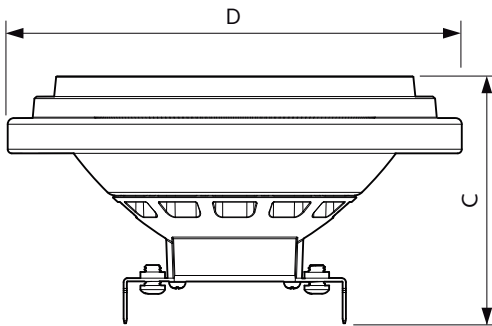
## Application

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

## Versions



## Dimensional drawing



Product	D	C
MAS LEDspotLV D 11-50W 930 AR111 40D	111 mm	62 mm
MAS LEDspotLV D 15-75W 930 AR111 24D	111 mm	62 mm
MAS LEDspotLV D 20-100W 840 AR111 40D	111 mm	62 mm
MAS LEDspotLV D 11-50W 930 AR111 24D	111 mm	62 mm
MAS LEDspotLV D 20-100W 827 AR111 24D	111 mm	62 mm
MAS LEDspotLV D 15-75W 927 AR111 24D	111 mm	62 mm
MAS LEDspotLV D 11-50W 927 AR111 24D	111 mm	62 mm
MAS LEDspotLV D 20-100W 830 AR111 40D	111 mm	62 mm
MAS LEDspotLV D 11-50W 927 AR111 40D	111 mm	62 mm
MAS LEDspotLV D 20-100W 840 AR111 24D	111 mm	62 mm

### Operating and Electrical

Voltage (Nom) 12 V

### General Information

Cap-Base G53

Switching Cycle 50000X

### Light Technical

Llmf At End Of Nominal Lifetime (Nom) 70 %

### Mechanical and Housing

Bulb Shape AR111

## Approval and Application

# MASTER LEDspot LV AR111

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929001169808	MAS LEDspotLV D 11-50W 927 AR111 24D	13 kWh	A
929001169908	MAS LEDspotLV D 11-50W 930 AR111 24D	13 kWh	A
929001170008	MAS LEDspotLV D 11-50W 927 AR111 40D	13 kWh	A
929001170108	MAS LEDspotLV D 11-50W 930 AR111 40D	13 kWh	A
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	16 kWh	A

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929001170308	MAS LEDspotLV D 15-75W 930 AR111 24D	17 kWh	A
929001170802	MAS LEDspotLV D 20-100W 827 AR111 24D	22 kWh	A
929001171008	MAS LEDspotLV D 20-100W 840 AR111 24D	22 kWh	A
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	22 kWh	-
929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	22 kWh	-

## Controls and Dimming

Order Code	Full Product Name	Dimmable
929001169808	MAS LEDspotLV D 11-50W 927 AR111 24D	yes
929001169908	MAS LEDspotLV D 11-50W 930 AR111 24D	yes
929001170008	MAS LEDspotLV D 11-50W 927 AR111 40D	yes
929001170108	MAS LEDspotLV D 11-50W 930 AR111 40D	yes
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	yes

Order Code	Full Product Name	Dimmable
929001170308	MAS LEDspotLV D 15-75W 930 AR111 24D	yes
929001170802	MAS LEDspotLV D 20-100W 827 AR111 24D	yes
929001171008	MAS LEDspotLV D 20-100W 840 AR111 24D	Yes
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	yes
929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	yes

## Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)
929001169808	MAS LEDspotLV D 11-50W 927 AR111 24D	50 W	11 W	0.5 s
929001169908	MAS LEDspotLV D 11-50W 930 AR111 24D	50 W	11 W	0.5 s
929001170008	MAS LEDspotLV D 11-50W 927 AR111 40D	50 W	11 W	0.5 s
929001170108	MAS LEDspotLV D 11-50W 930 AR111 40D	50 W	11 W	0.5 s
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	75 W	15 W	0.5 s

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)
929001170308	MAS LEDspotLV D 15-75W 930 AR111 24D	75 W	15 W	0.5 s
929001170802	MAS LEDspotLV D 20-100W 827 AR111 24D	100 W	20 W	0.5 s
929001171008	MAS LEDspotLV D 20-100W 840 AR111 24D	100 W	20 W	-
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	100 W	20 W	0.5 s
929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	100 W	20 W	0.5 s

## General Information

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)
929001169808	MAS LEDspotLV D 11-50W 927 AR111 24D	40000 h	40000 h
929001169908	MAS LEDspotLV D 11-50W 930 AR111 24D	40000 h	40000 h
929001170008	MAS LEDspotLV D 11-50W 927 AR111 40D	40000 h	40000 h
929001170108	MAS LEDspotLV D 11-50W 930 AR111 40D	40000 h	40000 h
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	40000 h	40000 h

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)
929001170308	MAS LEDspotLV D 15-75W 930 AR111 24D	40000 h	40000 h
929001170802	MAS LEDspotLV D 20-100W 827 AR111 24D	25000 h	25000 h
929001171008	MAS LEDspotLV D 20-100W 840 AR111 24D	25000 h	25000 h
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	25000 h	25000 h

# MASTER LEDspot LV AR111

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)
929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	25000 h	25000 h

## Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour		Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
					Rendering Index (Nom)	Light Distribution		
929001169808	MAS LEDspotLV D 11-50W 927 AR111 24D	24 °	927	2700 K	90	24D	620 lm	620 lm
929001169908	MAS LEDspotLV D 11-50W 930 AR111 24D	24 °	930	3000 K	90	24D	640 lm	640 lm
929001170008	MAS LEDspotLV D 11-50W 927 AR111 40D	40 °	927	2700 K	90	40D	620 lm	620 lm
929001170108	MAS LEDspotLV D 11-50W 930 AR111 40D	40 °	930	3000 K	90	40D	640 lm	640 lm
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	24 °	927	2700 K	90	24D	830 lm	830 lm
929001170308	MAS LEDspotLV D 15-75W 930 AR111 24D	24 °	930	3000 K	90	24D	840 lm	840 lm
929001170802	MAS LEDspotLV D 20-100W 827 AR111 24D	24 °	827	2700 K	80	24D	1180 lm	1180 lm
929001171008	MAS LEDspotLV D 20-100W 840 AR111 24D	24 °	840	4000 K	80	-	1400 lm	1400 lm
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	40 °	830	3000 K	80	40D	1350 lm	1350 lm
929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	40 °	840	4000 K	80	40D	1400 lm	1400 lm

## Light Technical (2/2)

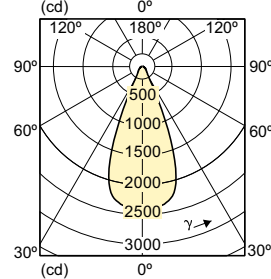
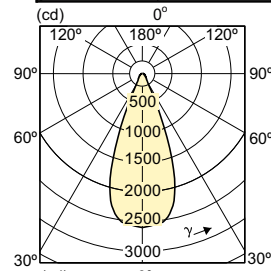
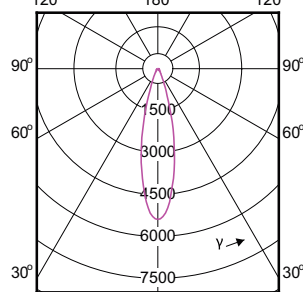
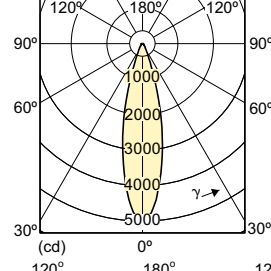
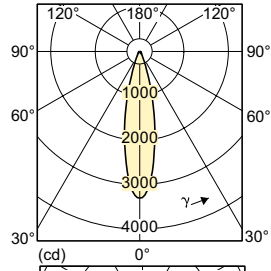
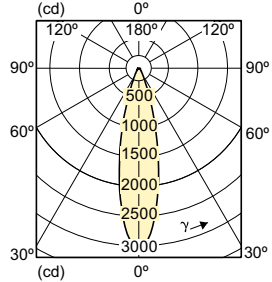
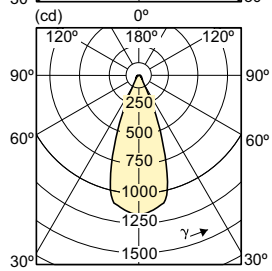
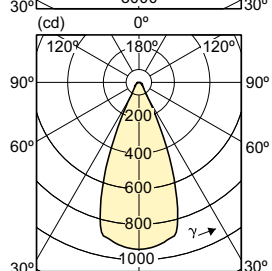
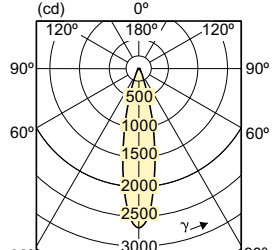
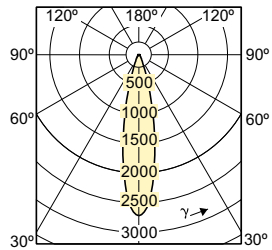
Order Code	Full Product Name	Luminous Intensity (Nom)	Rated Beam Angle	Order Code	Full Product Name	Luminous Intensity (Nom)	Rated Beam Angle
929001169808	MAS LEDspotLV D 11-50W 927 AR111 24D	2900 cd	24 °	929001170308	MAS LEDspotLV D 15-75W 930 AR111 24D	4000 cd	24 °
929001169908	MAS LEDspotLV D 11-50W 930 AR111 24D	3000 cd	24 °	929001170802	MAS LEDspotLV D 20-100W 827 AR111 24D	5800 cd	24 °
929001170008	MAS LEDspotLV D 11-50W 927 AR111 40D	1100 cd	40 °	929001171008	MAS LEDspotLV D 20-100W 840 AR111 24D	6100 cd	24 °
929001170108	MAS LEDspotLV D 11-50W 930 AR111 40D	1150 cd	40 °	929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	2350 cd	40 °
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	3900 cd	24 °	929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	2350 cd	40 °

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)	Order Code	Full Product Name	T-Case Maximum (Nom)
929001169808	MAS LEDspotLV D 11-50W 927 AR111 24D	70 °C	929001170108	MAS LEDspotLV D 11-50W 930 AR111 40D	70 °C
929001169908	MAS LEDspotLV D 11-50W 930 AR111 24D	70 °C	929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	74 °C
929001170008	MAS LEDspotLV D 11-50W 927 AR111 40D	70 °C	929001170308	MAS LEDspotLV D 15-75W 930 AR111 24D	74 °C

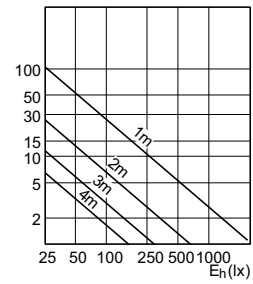
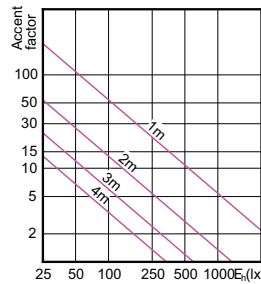
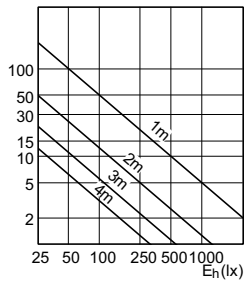
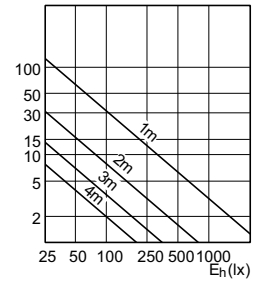
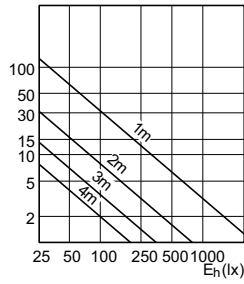
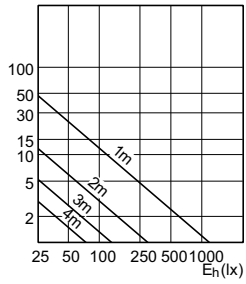
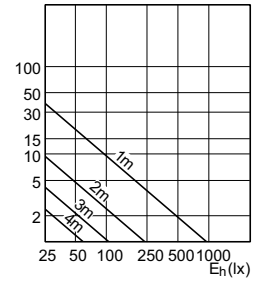
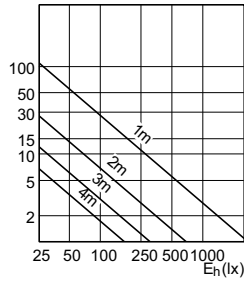
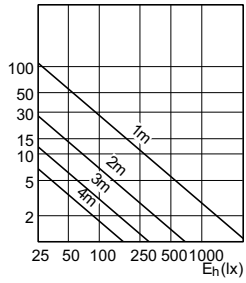
# MASTER LEDspot LV AR111

Order Code	Full Product Name	T-Case Maximum (Nom)
929001170802	MAS LEDspotLV D 20-100W 827 AR111 24D	80 °C
929001171008	MAS LEDspotLV D 20-100W 840 AR111 24D	-
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	80 °C
929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	80 °C

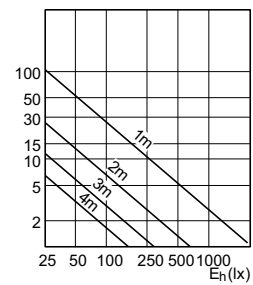


# MASTER LEDspot LV AR111

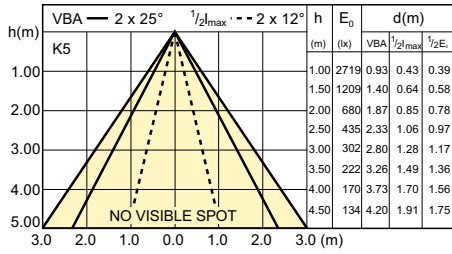
## Accent Diagrams



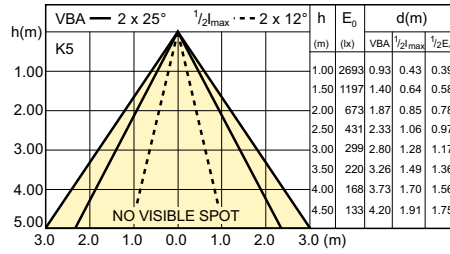
MASTER LEDspotLV 20-100W AR111  
G53\_4000K 1400lm 24D



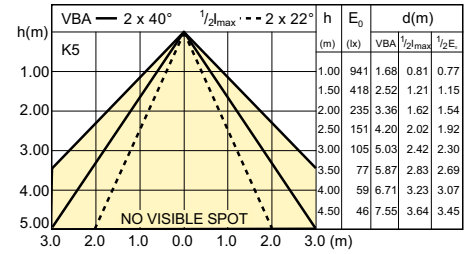
## Beam Diagrams



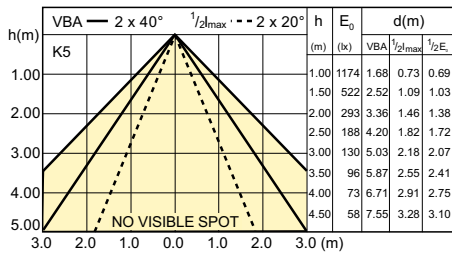
SDBE\_LEDspotL\_0132-Beam diagram



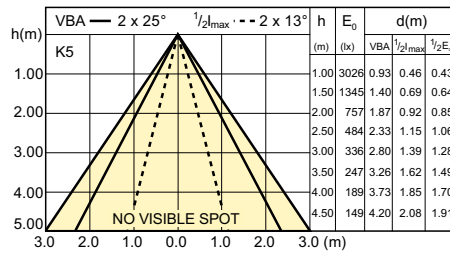
SDBE\_LEDspotL\_0133-Beam diagram



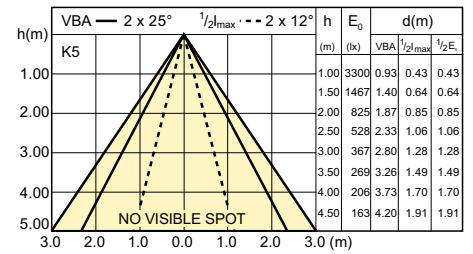
SDBE\_LEDspotL\_0134-Beam diagram



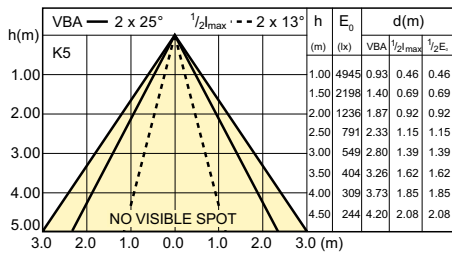
SDBE\_LEDspotL\_0135-Beam diagram



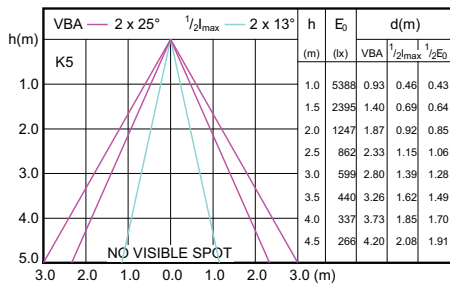
SDBE\_LEDspotL\_0136-Beam diagram



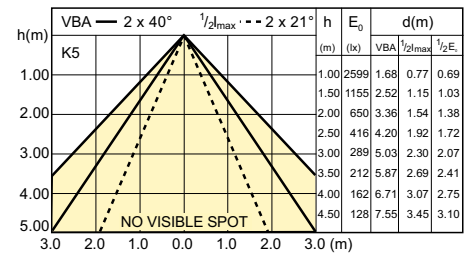
SDBE\_LEDspotL\_0137-Beam diagram



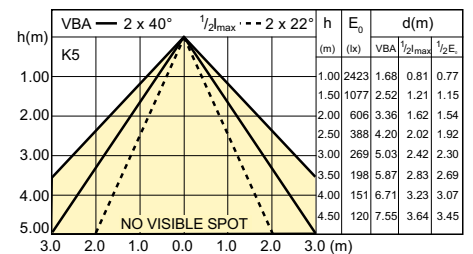
SDBE\_LEDspotL\_0140-Beam diagram



MASTER LEDspotLV 20-100W AR111  
G53\_4000K 1400lm 24D



SDBE\_LEDspotL\_0141-Beam diagram



SDBE\_LEDspotL\_0142-Beam diagram

# MASTER LEDspot LV AR111

