



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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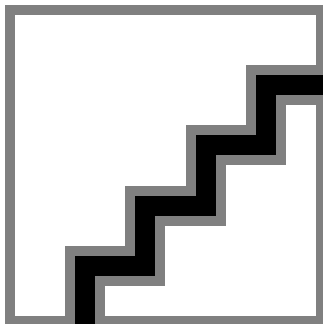
Application

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

Versions



Dimensional drawing



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

Controls and Dimming

Dimmable yes

Operating and Electrical

Voltage (Nom) 12 V

Starting Time (Nom) 0.5 s

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)
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	16 kWh	A
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	22 kWh	-

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy
			Efficiency Label (EEL)
929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	22 kWh	-

Operating and Electrical

Order Code	Full Product Name	Wattage	Power (Rated)
		Equivalent	(Nom)
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	75 W	15 W
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	100 W	20 W

Order Code	Full Product Name	Wattage	Power (Rated)
		Equivalent	(Nom)
929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	100 W	20 W

General Information

Order Code	Full Product Name	Nominal	Rated Lifetime
		Lifetime (Nom)	(Hours)
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	40000 h	40000 h
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	25000 h	25000 h

Order Code	Full Product Name	Nominal	Rated Lifetime
		Lifetime (Nom)	(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			
					Rendering Index (Nom)	Light Distribution	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	24 °	927	2700 K	90	24D	830 lm	830 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	Rated Beam
		Intensity (Nom)	Angle
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	3900 cd	24 °
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	2350 cd	40 °

Order Code	Full Product Name	Luminous	Rated Beam
		Intensity (Nom)	Angle
929001171308	MAS LEDspotLV D 20-100W 840 AR111 40D	2350 cd	40 °

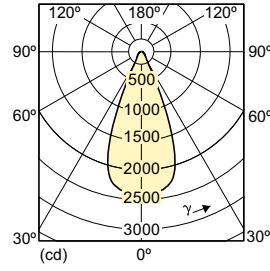
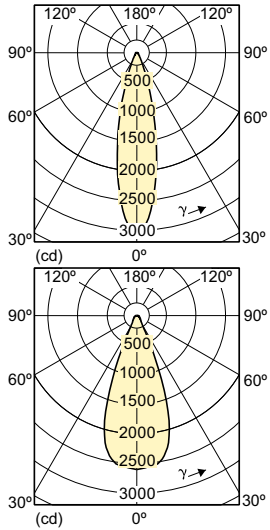
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001170208	MAS LEDspotLV D 15-75W 927 AR111 24D	74 °C

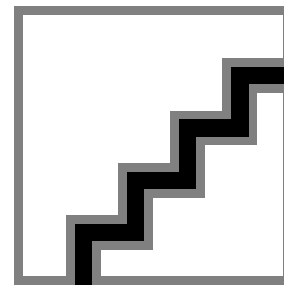
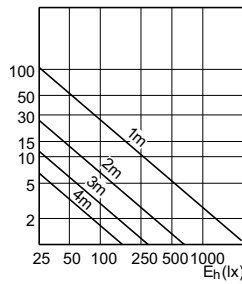
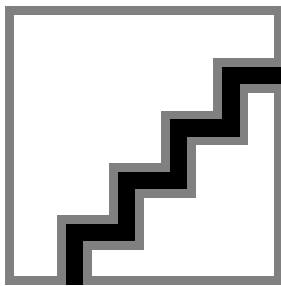
Order Code	Full Product Name	T-Case Maximum (Nom)
929001171208	MAS LEDspotLV D 20-100W 830 AR111 40D	80 °C

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



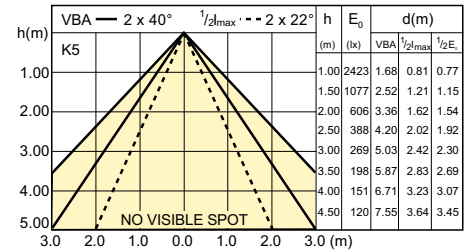
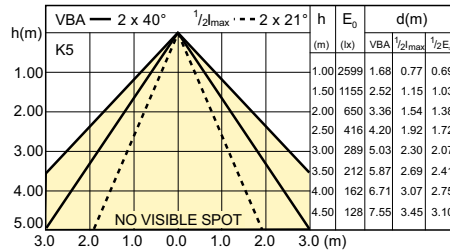
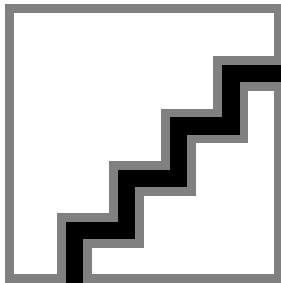
Accent Diagrams



SDAC_LEDspotL_0136-Accent diagram

SDAC_LEDspotL_0142-Accent diagram

Beam Diagrams



SDBE_LEDspotL_0136-Beam diagram

SDBE_LEDspotL_0141-Beam diagram

SDBE_LEDspotL_0142-Beam diagram

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