PHILIPS

Lighting

MASTER LEDspot PAR – The energy-saving alternative for lighting in public areas

MASTER LED spot PAR

With its robust design and warm-white beam of light, these new-generation PAR lamps are ideal for general lighting and spot lighting in the hospitality industry. There is a choice of dimmable and non-dimmable versions. They are especially suitable for public areas such as lobbies, corridors, stairwells, where the light is always on. Compatible with existing fixtures with an E27 holder and designed for retrofit replacement of halogen/incandescent lamps, MASTER LEDspot PAR deliver huge energy savings and minimize maintenance cost without any reduction in brightness. The IP44-rated outdoor version of the PAR 38 lamp is one of the few energy-saving alternatives to incandescent PAR38 outdoor lamps available today. The dimmable PAR 20 is a perfect replacement for an incandescent spot.

Benefits

- Up to 80% energy saving compared to halogen lamps
- Retrofittable and compatible with existing fixtures with E27 holder
- Lower maintenance costs

Features

- Lifetime of 45,000 hours
- Dimmable
- UV- and IR-free light for less heat and protection for heat-sensitive objects
- Free of mercury and hazardous materials

MASTER LED spot PAR

Application

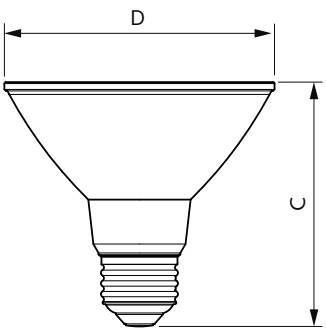
- Especially suitable for public areas like lobbies, corridors, stairwells and restaurants/bars

Versions

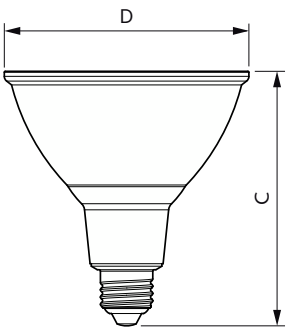
LEDclassic PAR38 25D POS2

LEDspots MAS GMGC1 PAR30S E27

Dimensional drawing



Product	D	C
MAS LEDspot D 12-100W E27 927 PAR30S 25D	92 mm	84 mm



Product	D	C
MAS LEDspot D 13-100W E27 927 PAR38 25D	124 mm	130 mm

MASTER LED spot PAR

General Information	
Cap-Base	E27
Switching Cycle	50,000
Nominal lifetime	25,000 hour(s)

Light Technical	
Beam Angle (Nom)	25 degree(s)
Correlated Color Temperature (Nom)	2700 K
Color rendering index (CRI)	90
Color Code	927
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Wattage Equivalent	100 W

Controls and Dimming	
Dimmable	Only with specific dimmers

Mechanical and Housing	
Bulb Finish	Clear

Approval and Application	
Ambient temperature range	-20 to +45 °C

Light Technical

Order Code	Full Product Name	Luminous Flux	Luminous Intensity (Nom)
929002339008	MAS LEDspot D 13-100W E27 927 PAR38 25D	1,100 lm	3,500 cd
929002030808	MAS LEDspot D 12-100W E27 927 PAR30S 25D	1,000 lm	3,000 cd

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929002339008	MAS LEDspot D 13-100W E27 927 PAR38 25D	13 W

Order Code	Full Product Name	Power Consumption
929002030808	MAS LEDspot D 12-100W E27 927 PAR30S 25D	12 W

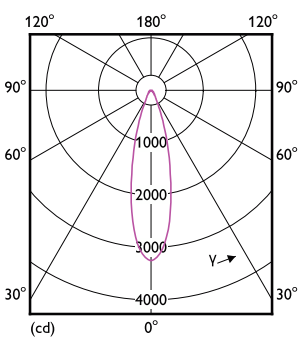
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002339008	MAS LEDspot D 13-100W E27 927 PAR38 25D	75 °C

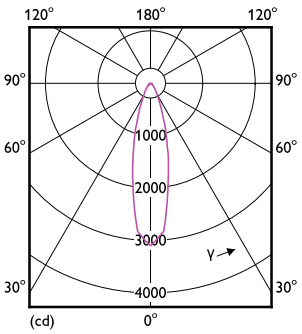
Order Code	Full Product Name	T-Case Maximum (Nom)
929002030808	MAS LEDspot D 12-100W E27 927 PAR30S 25D	85 °C

Mechanical and Housing

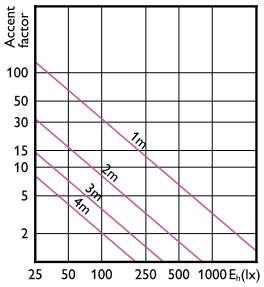
Order Code	Full Product Name	Bulb Shape
929002339008	MAS LEDspot D 13-100W E27 927 PAR38 25D	PAR38
929002030808	MAS LEDspot D 12-100W E27 927 PAR30S 25D	PAR30S



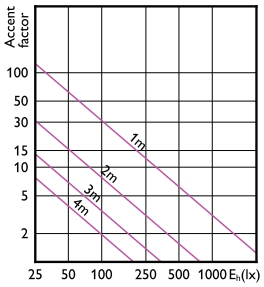
MASTER LED spot PAR



Accent Diagrams

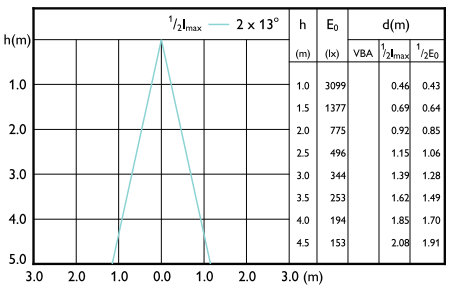


Accent Diagram - MAS LEDspot D 13-100W E27 927 PAR38 25D



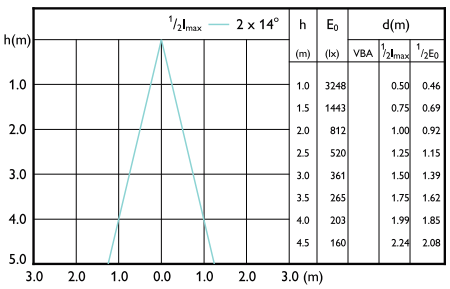
Accent Diagram - MAS LEDspot D 12-100W E27 927 PAR30S 25D

Beam Diagrams



h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	3099		0.46	0.43
1.5	1377		0.69	0.64
2.0	775		0.92	0.85
2.5	496		1.15	1.06
3.0	344		1.39	1.28
3.5	253		1.62	1.49
4.0	194		1.85	1.70
4.5	153		2.08	1.91

Beam diagram - MAS LEDspot D 12-100W E27 927 PAR30S 25D



h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	3248		0.50	0.46
1.5	1443		0.75	0.69
2.0	812		1.00	0.92
2.5	520		1.25	1.15
3.0	361		1.50	1.39
3.5	265		1.75	1.62
4.0	203		1.99	1.85
4.5	160		2.24	2.08

Beam diagram - MAS LEDspot D 13-100W E27 927 PAR38 25D

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