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

MASTER LEDspot 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
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· Retrofittable and compatible with existing fixtures with E27 holder
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· Lower maintenance costs
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Features
- Lifetime of 45,000 hours
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- Dimmable (except PAR38 OD)
- Dimmable
- UV- and IR-free light for less heat and protection for heat-sensitive objects
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- Free of mercury and hazardous materials
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Application
- Especially suitable for public areas like lobbies, corridors, stairwells and restaurants/bars
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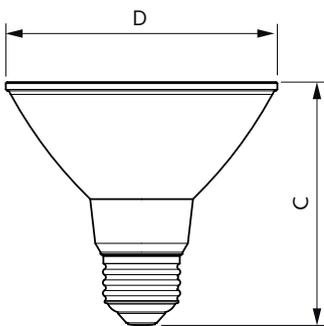
Versions
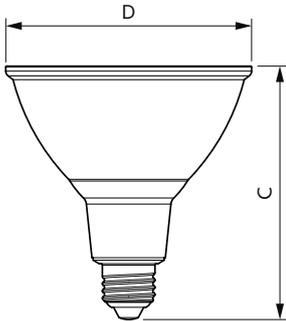
LEDclassic PAR38 25D POS2

LEDspots MAS GMGC1 PAR30S E27

Dimensional drawing

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

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Dimensional drawing

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

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

Temperature

Ambient temperature range	–20 to +45 °C

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Clear

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

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Mechanical and Housing

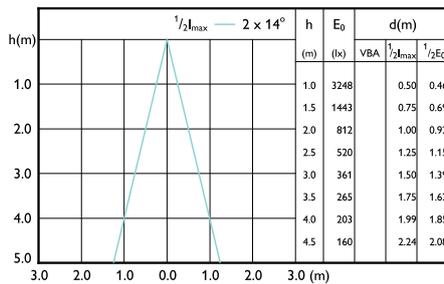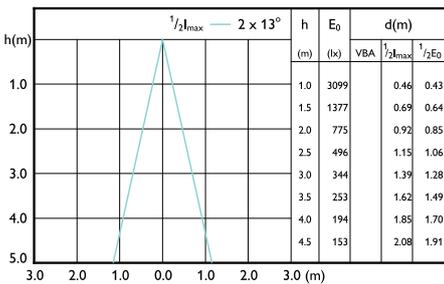| Order Code	Full Product Name	Bulb Shape
929002339008	MAS LEDspot D 13-100W E27 927 PAR38 25D	PAR38
929002030808	MAS LEDspot D 12-100W E27 927 PAR30S 25D	PAR30S
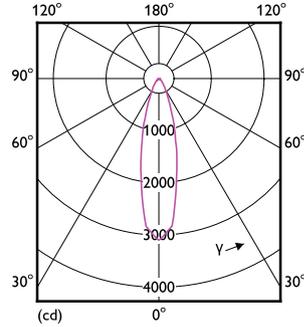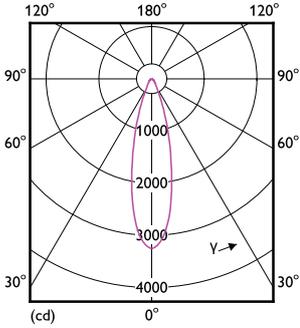
Accent Diagrams
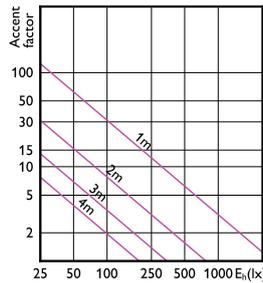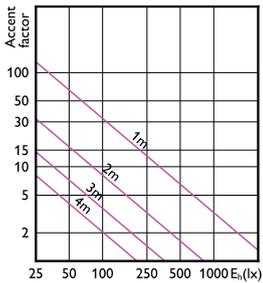
Accent Diagram – MAS LEDspot D 13-100W E27 927 PAR38 25D

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

Beam Diagrams

h (m)	E₀ (lx)	VBA	½Imax	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)	E₀ (lx)	VBA	½Imax	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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www.lighting.philips.com

2023, August 2 – data subject to change