



MASTER LEDspot PAR

Master LED 12-120W PAR30s 840 25D EER1

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.

Product data

General Information	
Cap-Base	E26 [Single Contact Medium Screw]
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	25 degree(s)
Luminous Flux	1,300 lm
Luminous Intensity (Nom)	3,200 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	108.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	12 W
Lamp Current (Nom)	60 mA
Wattage Equivalent	120 W
Starting Time (Nom)	0.8 s
Warm-up time to 60% light	0.8 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220 V
Temperature	
T-Case Maximum (Nom)	90 °C

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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Shape	PAR30S [PAR 3.75 inch/95mm Short]
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Approval and Application

Suitable For Accent Lighting	Yes
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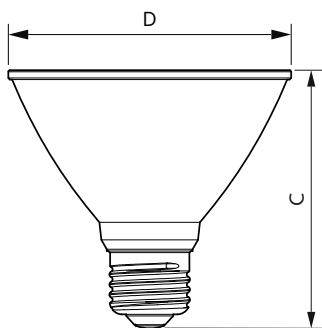
Energy Consumption kWh/1000 h	12 kWh
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Product Data

Order product name	Master LED 12-120W PAR30s 840 25D EER1
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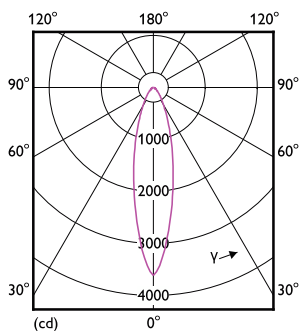
Full product name	Master LED 12-120W PAR30s 840 25D EER1
Full product code	871869682706200
Order code	929001918908
Material Nr. (12NC)	929001918908
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696827062
Numerator - Packs per outer box	6
EAN/UPC - Case	8718696827079

Dimensional drawing

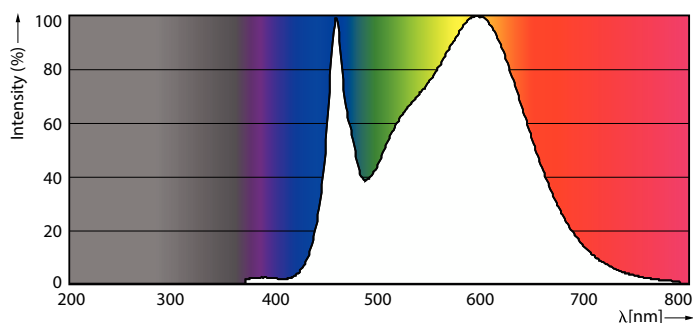


Product	D	C
Master LED 12-120W PAR30s 840 25D EER1	86 mm	93 mm

Photometric data



Light Distribution Diagram - Master LED 12-120W PAR30s 840 25D EER1



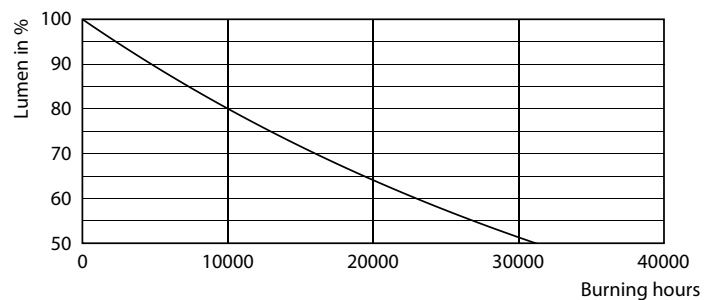
Spectral Power Distribution Colour - Master LED 12-120W PAR30s 840 25D EER1

Photometric data



The graph shows the failure rate as a percentage of the total test time. The x-axis represents time in hours, ranging from 0 to 40,000 with major grid lines every 5,000 hours. The y-axis represents the failure rate in percent, ranging from 0 to 100 with major grid lines every 20 percent. The curve starts at (0,0), remains near zero until about 10,000 hours, then rises steeply, passing through approximately (15,000, 50%) and (20,000, 90%), and finally levels off at 100% failure rate around 25,000 hours.

Time (hours)	Failure rate in %
0	0
5000	2
10000	5
15000	50
20000	90
25000	100
30000	100
35000	100
40000	100



Life Expectancy Diagram - Master LED 12-120W PAR30s 840 25D EER1

Lumen Maintenance Diagram - Master LED 12-120W PAR30s 840 25D EER1

