# **PHILIPS** Lighting



# 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

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

#### Features

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

#### Application

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

#### Versions

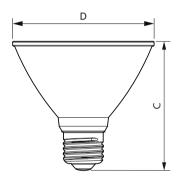


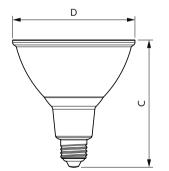


12-120W E26 PAR30S

LEDclassic PAR38 25D POS2

#### Dimensional drawing





Product	D	с
Master LED 12-120W PAR30s 827 25D EER1	86 mm	93 mm

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

General Information	
Switching Cycle	50,000
Light Technical	
Beam Angle (Nom)	25 degree(s)
Correlated Color Temperature (Nom)	2700 K
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Input Frequency	50 to 60 Hz

#### **General Information**

Order Code	Full Product Name	Cap-Base	Nominal lifetime	Order Code	Full Product Name	Cap-Base	Nominal lifetime
929001918808	Master LED 12-120W PAR30s 827 25D	E26	15,000 hour(s)	929002339008	MAS LEDspot D 13-100W E27 927 PAR38	E27	25,000 hour(s)
	EER1				25D		

#### Light Technical

		Color			Luminous			Color			Luminous
	Full Product	rendering	Color	Luminous	Intensity		Full Product	rendering	Color	Luminous	Intensity
Order Code	Name	index (CRI)	Code	Flux	(Nom)	Order Code	Name	index (CRI)	Code	Flux	(Nom)
929001918808	Master LED	80	827	1,300 lm	3,200 cd	929002339008	MAS LEDspot D	90	927	1,100 lm	3,500 cd
	12-120W PAR30s						13-100W E27 927				
	827 25D EER1						PAR38 25D				

#### **Operating and Electrical**

			Starting	
Full Product	Line	Power	Time	Wattage
Name	Frequency	Consumption	(Nom)	Equivalent
Master LED	50 to 60 Hz	12 W	0.8 s	120 W
12-120W				
PAR30s 827				
25D EER1				
MAS LEDspot	-	13 W	0.5 s	100 W
D 13-100W				
	Name Master LED 12-120W PAR30s 827 25D EER1 MAS LEDspot	Name Frequency   Master LED 50 to 60 Hz   12-120W -   PAR30s 827 -   25D EER1 -	Name Frequency Consumption   Master LED 50 to 60 Hz 12 W   12-120W - -   PAR30S 827 - -   25D EER1 - -	Full ProductLinePowerTimeNameFrequencyConsumption(Nom)Master LED50 to 60 Hz12 W0.8 s12-120WPAR30s 82725D EER1-13 W0.5 s

				Starting	
	Full Product	Line	Power	Time	Wattage
Order Code	Name	Frequency	Consumption	(Nom)	Equivalent
	E27 927				
	PAR38 25D				

#### Temperature

		Ambient	T-Case Maximum			Ambient	T-Case Maximum
Order Code	Full Product Name	temperature range	(Nom)	Order Code	Full Product Name	temperature range	(Nom)
929001918808	Master LED 12-120W	-	90 °C	929002339008	MAS LEDspot D 13-100W	-20 to +45 °C	75 ℃
	PAR30s 827 25D EER1				E27 927 PAR38 25D		

#### **Controls and Dimming**

Order Code	Full Product Name	Dimmable
929001918808	Master LED 12-120W PAR30s 827 25D EER1	No

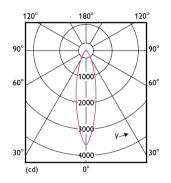
Order Code	Full Product Name	Dimmable
929002339008	MAS LEDspot D 13-100W E27 927 PAR38 25D	Only with specific
		dimmers

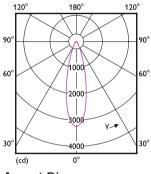
#### Mechanical and Housing

	-		
Order Code	Full Product Name	Bulb Finish	Bulb Shape
929001918808	Master LED 12-120W PAR30s 827 25D EER1	-	PAR30S
929002339008	MAS LEDspot D 13-100W E27 927 PAR38	Clear	PAR38
	25D		

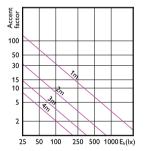
#### Approval and Application

		Energy Consumption kWh/
Order Code	Full Product Name	1000 h
929001918808	Master LED 12-120W PAR30s 827 25D	12 kWh
	EER1	
929002339008	MAS LEDspot D 13-100W E27 927 PAR38	-
	25D	

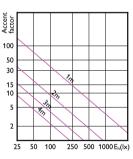




#### Accent Diagrams

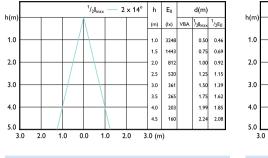


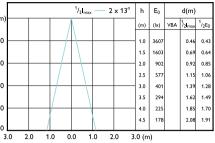
Accent Diagram - MAS LEDspot D 13-100W E27 927 PAR38 25D



Accent Diagram - Master LED 12-120W PAR30s 827 25D EER1

#### **Beam Diagrams**





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





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