



# The affordable LED solution

## Essential LEDspot PAR

Essential LED PAR is an affordable LED spot lamp that is designed as a retrofit replacement for halogen spots PAR lamps. It provides a natural lighting effect as well as instant energy savings – an environment-friendly solution. The Philips Essential LED family is designed for spot and general lighting applications in the hospitality and retail segments.

### Benefits

- Reduced operational cost thanks to energy savings of up to 80%
- Lower maintenance cost thanks to more than five times longer lifetime than conventional halogen spot lamps
- Easy retrofit, upgrading the existing luminaire to LED technology
- Low initial investment

### Features

- Lower energy consumption compared to halogen spot PAR lamp
- Retrofit replacement of halogen spot lamps with existing transformers
- Lifetime up to 15,000 hours
- Non-dimmable

### Application

- Hospitality (restaurants, hotels, coffee bars)
- Retail

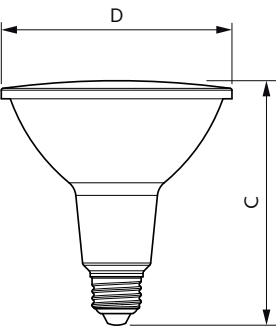
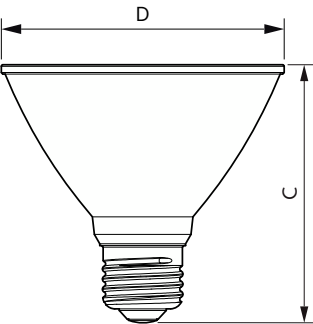
# Essential LEDspot PAR

## Versions



12-100W E26 PAR30S

## Dimensional drawing



Product	D	C
Essential LED 12-100W PAR30s 827 25D KR	86 mm	93 mm
Essential LED 12-100W PAR30s 840 25D KR	86 mm	93 mm

Product	D	C
Essential LED 14-120W PAR38 827 25D	125 mm	133 mm
LED 14-120W PAR38 827 25D	125 mm	133 mm
LED 14-120W PAR38 827 25D 2pk AU	125 mm	133 mm

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General Information	
Switching Cycle	50,000
Nominal lifetime	15,000 hour(s)
Light Technical	
Beam Angle (Nom)	25 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Controls and Dimming	
Dimmable	No

General Information

Order Code	Full Product Name	Rated Lifetime	
		Cap-Base	(Hours)
929002339107	LED 14-120W PAR38 827 25D	E27	15,000 hour(s)
929002339108	Essential LED 14-120W PAR38 827 25D	E27	-
929002339179	LED 14-120W PAR38 827 25D 2pk AU	E27	15,000 hour(s)
929001944408	Essential LED 12-100W PAR30s 827 25D KR	E26	-

Order Code	Full Product Name	Rated Lifetime	
		Cap-Base	(Hours)
929001944508	Essential LED 12-100W PAR30s 840 25D KR	E26	-

Light Technical

Order Code	Full Product Name	Correlated Color		Luminous	
		Temperature (Nom)	Color Code	Flux	Intensity (Nom)
929002339107	LED 14-120W PAR38 827 25D	2700 K	827	1,200 lm	5,000 cd
929002339108	Essential LED 14-120W PAR38 827 25D	2700 K	827	1,200 lm	5,000 cd
929002339179	LED 14-120W PAR38 827 25D 2pk AU	2700 K	827	1,200 lm	5,000 cd
929001944408	Essential LED 12-100W	2700 K	827	1,100 lm	2,700 cd

Order Code	Full Product Name	Correlated Color		Luminous	
		Temperature (Nom)	Color Code	Flux	Intensity (Nom)
	PAR30s 827 25D KR				
929001944508	Essential LED 12-100W PAR30s 840 25D KR	4000 K	840	1,100 lm	2,700 cd

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929002339107	LED 14-120W PAR38 827 25D	50 to 60 Hz	14 W	0.5 s	120 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929002339108	Essential LED 14-120W PAR38 827 25D	50 to 60 Hz	14 W	0.5 s	120 W

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Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	Wattage Equivalent
				Time (Nom)	
929002339179	LED 14-120W PAR38 827 25D 2pk AU	-	14 W	0.5 s	120 W
929001944408	Essential LED 12-100W	50 to 60 Hz	12 W	0.8 s	100 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	Wattage Equivalent
				Time (Nom)	
	PAR30s 827 25D KR				
929001944508	Essential LED 12-100W PAR30s 840 25D KR	50 to 60 Hz	12 W	0.8 s	100 W

Temperature

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929002339107	LED 14-120W PAR38 827 25D	-	75 °C
929002339108	Essential LED 14-120W PAR38 827 25D	-	75 °C
929002339179	LED 14-120W PAR38 827 25D 2pk AU	-20 to +45 °C	75 °C

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929001944408	Essential LED 12-100W PAR30s 827 25D KR	-	90 °C
929001944508	Essential LED 12-100W PAR30s 840 25D KR	-	90 °C

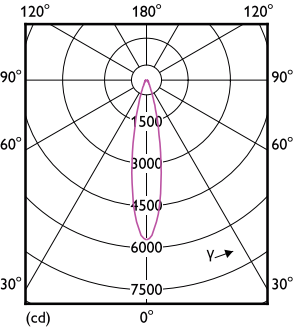
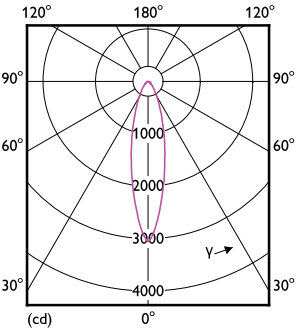
Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929002339107	LED 14-120W PAR38 827 25D	-	PAR38
929002339108	Essential LED 14-120W PAR38 827 25D	-	PAR38
929002339179	LED 14-120W PAR38 827 25D 2pk AU	Clear	PAR38

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929001944408	Essential LED 12-100W PAR30s 827 25D KR	-	PAR30S
929001944508	Essential LED 12-100W PAR30s 840 25D KR	-	PAR30S

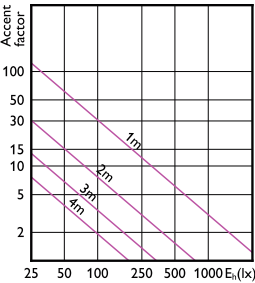
Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002339107	LED 14-120W PAR38 827 25D	-
929002339108	Essential LED 14-120W PAR38 827 25D	14 kWh
929002339179	LED 14-120W PAR38 827 25D 2pk AU	14 kWh
929001944408	Essential LED 12-100W PAR30s 827 25D KR	12 kWh
929001944508	Essential LED 12-100W PAR30s 840 25D KR	12 kWh

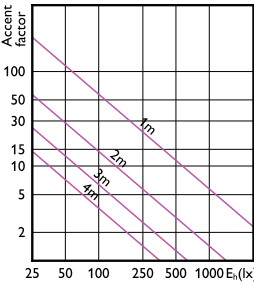


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Accent Diagrams

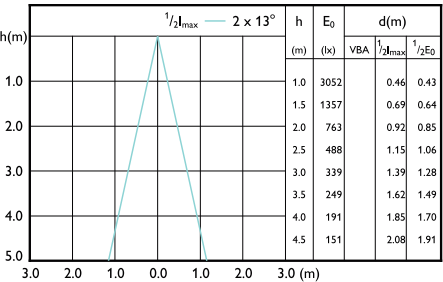


Accent Diagram - Essential LED 12-100W PAR30s 827 25D KR

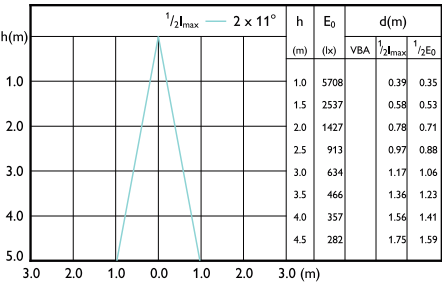


Accent Diagram - Essential LED 14-120W PAR38 827 25D

Beam Diagrams



Beam diagram - Essential LED 12-100W PAR30s 827 25D KR



Beam diagram - Essential LED 14-120W PAR38 827 25D

