



# 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

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## Versions

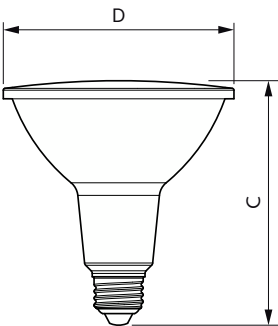
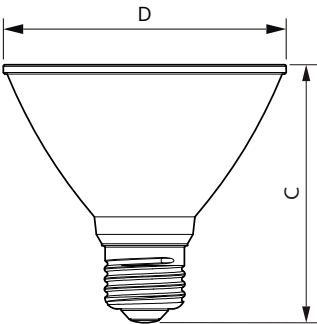


LEDspots PAR38 E26 1



12-100W E26 PAR30S

## Dimensional drawing



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

Product	D	C
LED 14-120W PAR38 827 25D	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)
Correlated Color Temperature (Nom)	2700 K
Color rendering index (CRI)	80
Color Code	827
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Controls and Dimming	
Dimmable	No

General Information

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

Light Technical

Order Code	Full Product Name	Luminous Intensity	
		Luminous Flux	(Nom)
929002339107	LED 14-120W PAR38 827 25D	1,200 lm	5,000 cd
929001944408	Essential LED 12-100W PAR30s 827 25D KR	1,100 lm	2,700 cd

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Starting Time (Nom)	Wattage Equivalent
929002339107	LED 14-120W PAR38 827 25D	14 W	0.5 s	120 W
929001944408	Essential LED 12-100W PAR30s 827 25D KR	12 W	0.8 s	100 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002339107	LED 14-120W PAR38 827 25D	75 °C

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

Mechanical and Housing

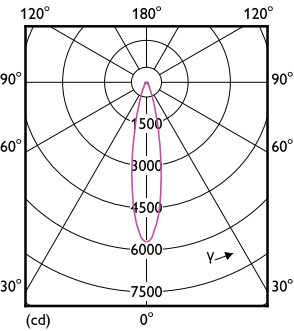
Order Code	Full Product Name	Bulb Shape
929002339107	LED 14-120W PAR38 827 25D	PAR38

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

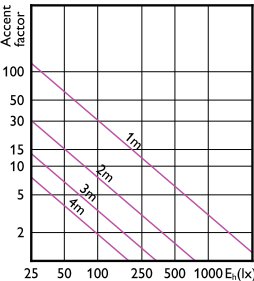
Approval and Application

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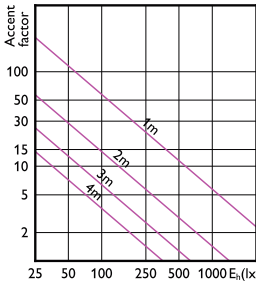
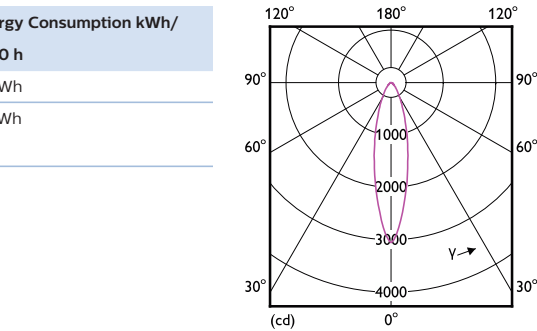
		Energy Consumption kWh/
Order Code	Full Product Name	1000 h
929002339107	LED 14-120W PAR38 827 25D	14 kWh
929001944408	Essential LED 12-100W PAR30s 827	12 kWh
25D KR		



Accent Diagrams

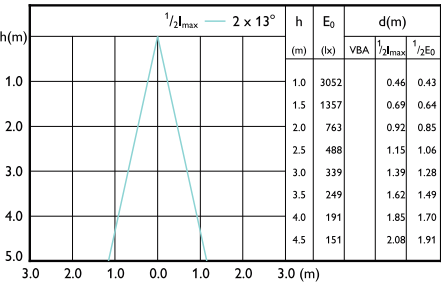


Accent Diagram - Essential LED 12-100W PAR30s 827 25D KR

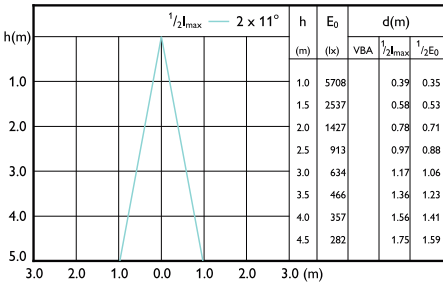


Accent Diagram - LED 14-120W PAR38 827 25D

Beam Diagrams



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



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

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