



# The affordable LED solution

## Essential LED spot 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

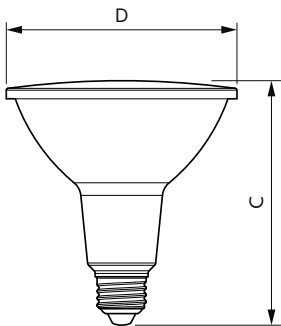
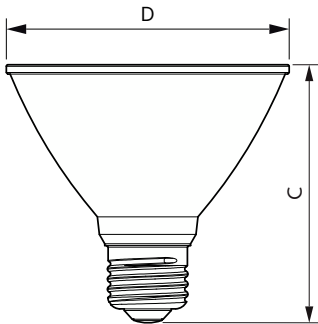
# Essential LED spot PAR

## 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 865 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 14W PAR38 827 25D 2pk AU	125 mm	133 mm

# Essential LED spot PAR

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	Cap-Base	Rated Lifetime (Hours)
929002339107	LED 14-120W PAR38 827 25D	E27	15,000 hour(s)
929002339108	Essential LED 14-120W PAR38 827 25D	E27	-
929002339179	LED 14W 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	Cap-Base	Rated Lifetime (Hours)
929001944608	Essential LED 12-100W PAR30s 865 25D KR	E26	-

## Light Technical

Order Code	Full Product Name	Correlated Color		Luminous Flux	Luminous Intensity (Nom)
		Temperature (Nom)	Color Code		
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 14W 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 Flux	Luminous Intensity (Nom)
		Temperature (Nom)	Color Code		
	PAR30s 827 25D KR				
929001944608	Essential LED 12-100W PAR30s 865 25D KR	6500 K	865	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
929002339108	Essential LED 14-120W	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
	PAR38 827 25D				
929002339179	LED 14W PAR38 827 25D 2pk AU	-	14 W	0.5 s	120 W

# Essential LED spot PAR

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929001944408	Essential LED 12-100W PAR30s 827 25D KR	50 to 60 Hz	12 W	0.8 s	100 W
929001944608	Essential LED 12-100W PAR30s 865 25D KR	50 to 60 Hz	12 W	0.8 s	100 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929001944408	Essential LED 12-100W PAR30s 827 25D KR	50 to 60 Hz	12 W	0.8 s	100 W
929001944608	Essential LED 12-100W PAR30s 865 25D KR	50 to 60 Hz	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
929002339108	Essential LED 14-120W PAR38 827 25D	75 °C
929002339179	LED 14W PAR38 827 25D 2pk AU	75 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929001944408	Essential LED 12-100W PAR30s 827 25D KR	90 °C
929001944608	Essential LED 12-100W PAR30s 865 25D KR	90 °C

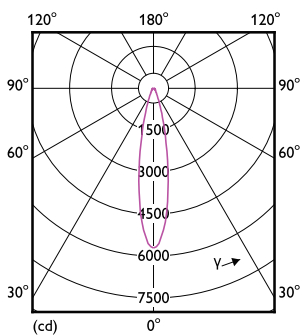
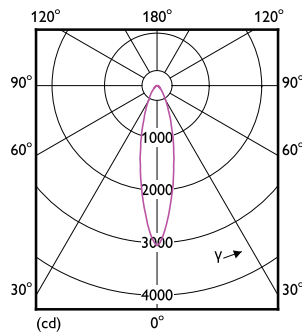
## Mechanical and Housing

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 14W 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
929001944608	Essential LED 12-100W PAR30s 865 25D KR	-	PAR30S

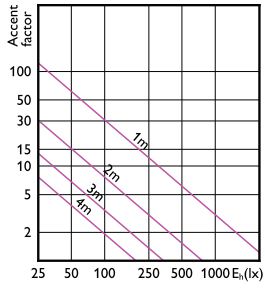
## Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy
			Consumption kWh/1000 h
929002339107	LED 14-120W PAR38 827 25D	-20 to +45 °C	14 kWh
929002339108	Essential LED 14-120W PAR38 827 25D	-20 to +45 °C	14 kWh
929002339179	LED 14W PAR38 827 25D 2pk AU	-20 to +45 °C	14 kWh
929001944408	Essential LED 12-100W PAR30s 827 25D KR	-20 °C to 45 °C	12 kWh
929001944608	Essential LED 12-100W PAR30s 865 25D KR	-20 °C to 45 °C	12 kWh

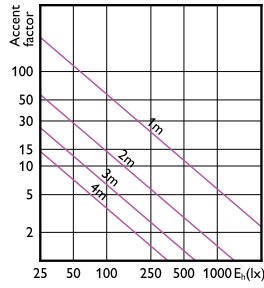


# Essential LED spot PAR

## Accent Diagrams

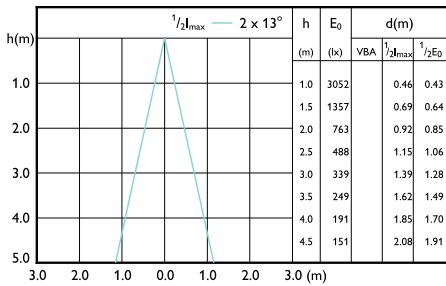


Accent Diagram - Essential LED 12-100W PAR30s 827 25D KR

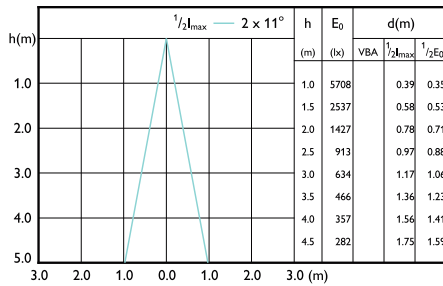


Accent Diagram - Essential LED 14-120W PAR38 827 25D

## Beam Diagrams



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



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

