



# Essential LED - Affordable LED solution

## Essential LED

Essential LED is an affordable LED spot lamp that is suitable for replacing halogen spot lamps. It provides a natural lighting effect as well as instant energy savings – an environmentally friendly solution. The Philips Essential LED family is designed for spot and general lighting applications in the hospitality, retail and home 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

### Features

- Lower energy consumption compared to halogen spot lamp
- Retrofit replacement of halogen spot lamps with existing transformers
- No UV/IR or mercury

### Application

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

# Essential LED

## Versions

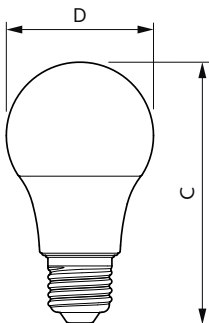
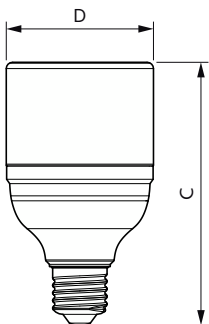
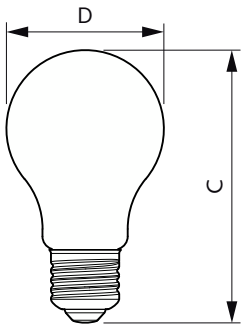


65W E27 A60 FR



LEDBright T70 E27

## Dimensional drawing



Product	D	C
LEDBulb 10-75W E27 2700K 1PF/12 TR	60 mm	108 mm
LEDBulb 10-75W E27 6500K 1PF/12 TR	60 mm	108 mm

Product	D	C
LEDBright 20W E27 3000K HV 1PF/12 AR	70 mm	125.7 mm
LEDBright 20W E27 6500K HV 1PF/12 AR	70 mm	125.7 mm

Product	D	C
LEDBulb 5-40W E27 6500K 1PF/12 TR	60 mm	108 mm
LEDBulb 5.5-40W E27 2700K 1PF/12 TR	60 mm	108 mm
LEDBulb 8-60W E27 6500K 1PF/12 TR	60 mm	108 mm

# Essential LED

General Information	
Cap-Base	E27
Switching Cycle	50,000
Light Technical	
Beam Angle (Nom)	150 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted

## General Information

Order Code	Full Product Name	Rated Lifetime (Hours)	Nominal lifetime
929002306567	LEDBulb 10-75W E27 2700K 1PF/12 TR	15,000 hour(s)	15,000 hour(s)
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	15,000 hour(s)	15,000 hour(s)
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	15,000 hour(s)	15,000 hour(s)
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	15,000 hour(s)	15,000 hour(s)
929002306467	LEDBulb 8-60W E27 6500K 1PF/12 TR	12,000 hour(s)	12,000 hour(s)
929002433611	LEDBright 20W E27 3000K HV 1PF/12 AR	-	9,000 hour(s)
929002433711	LEDBright 20W E27 6500K HV 1PF/12 AR	-	9,000 hour(s)

## Light Technical

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
929002306567	LEDBulb 10-75W E27 2700K 1PF/12 TR	2700 K	827	1,055 lm
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	6500 K	865	1,055 lm
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	2700 K	827	470 lm
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	6500 K	865	470 lm

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
929002306467	LEDBulb 8-60W E27 6500K 1PF/12 TR	6500 K	865	806 lm
929002433611	LEDBright 20W E27 3000K HV 1PF/12 AR	3000 K	830	2,250 lm
929002433711	LEDBright 20W E27 6500K HV 1PF/12 AR	6500 K	865	2,350 lm

## Operating and Electrical

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
929002306567	LEDBulb 10-75W E27 2700K 1PF/12 TR	10 W	75 W
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	10 W	75 W
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	5.5 W	40 W
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	5 W	40 W

Order Code	Full Product Name	Power	Wattage
		Consumption	Equivalent
929002306467	LEDBulb 8-60W E27 6500K 1PF/12 TR	8 W	60 W
929002433611	LEDBright 20W E27 3000K HV 1PF/12 AR	20 W	140 W
929002433711	LEDBright 20W E27 6500K HV 1PF/12 AR	20 W	145 W

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002306567	LEDBulb 10-75W E27 2700K 1PF/12 TR	90 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	90 °C

# Essential LED

Order Code	Full Product Name	T-Case Maximum (Nom)
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	75 °C
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	75 °C
929002306467	LEDBulb 8-60W E27 6500K 1PF/12 TR	90 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929002433611	LEDBright 20W E27 3000K HV 1PF/12 AR	85 °C
929002433711	LEDBright 20W E27 6500K HV 1PF/12 AR	85 °C

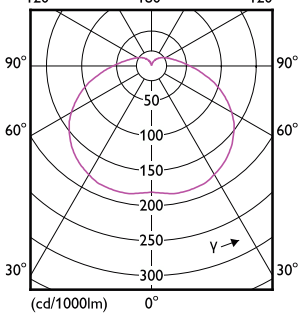
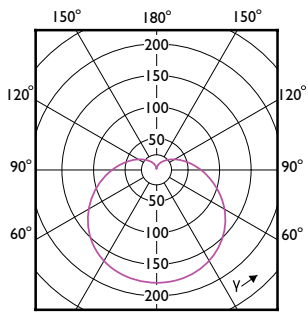
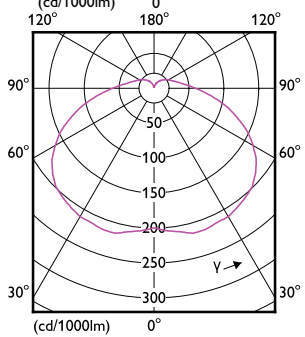
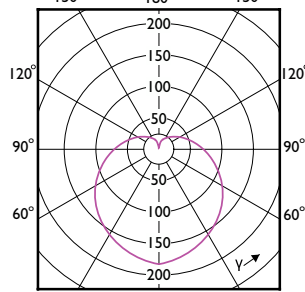
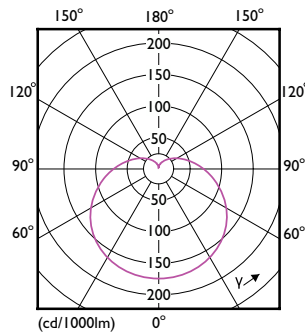
## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
929002306567	LEDBulb 10-75W E27 2700K 1PF/12 TR	A60
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	A60
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	A60
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	A60

Order Code	Full Product Name	Bulb Shape
929002306467	LEDBulb 8-60W E27 6500K 1PF/12 TR	A60
929002433611	LEDBright 20W E27 3000K HV 1PF/12 AR	T70
929002433711	LEDBright 20W E27 6500K HV 1PF/12 AR	T70

## Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
929002306567	LEDBulb 10-75W E27 2700K 1PF/12 TR	-20 to +45 °C	10 kWh
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	-20 to +45 °C	10 kWh
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	-20 to +45 °C	6 kWh
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	-20 to +45 °C	5 kWh
929002306467	LEDBulb 8-60W E27 6500K 1PF/12 TR	-	8 kWh
929002433611	LEDBright 20W E27 3000K HV 1PF/12 AR	-20 °C to 45 °C	-
929002433711	LEDBright 20W E27 6500K HV 1PF/12 AR	-20 °C to 45 °C	-



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