

Essential LED

ESSLED



Essential LED - Affordable LED solution

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

Applications

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

Features

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

Versions



65W E27 A60 FR

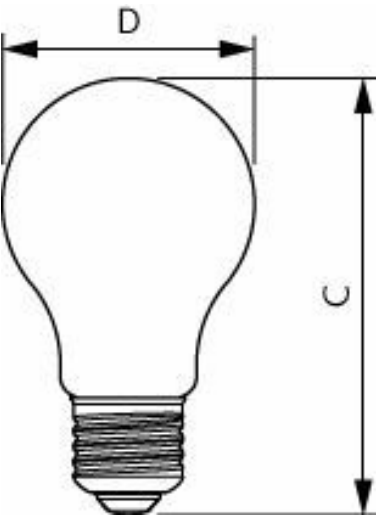


80W E27 A60 FR

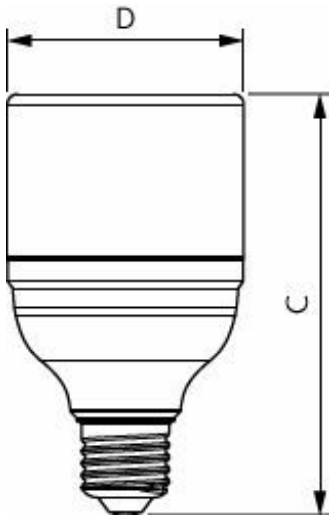


LEDBright T70 E27

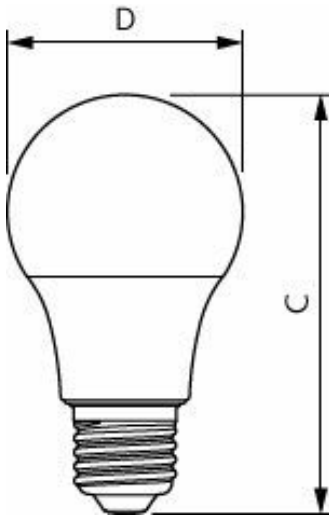
Dimensional drawing



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

General Information

Cap-Base	E27
Switching Cycle	50,000
Rated Lifetime (Hours)	15,000 hour(s)

Light Technical

Beam Angle (Nom)	150 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Line Frequency	50 to 60 Hz
Input 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	Nominal lifetime
929002306567	LEDBulb 10-75W E27 2700K 1PF/12 TR	15,000 hour(s)
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	15,000 hour(s)
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	15,000 hour(s)
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	15,000 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	Color Code	Luminous Flux	Correlated Color Temperature (Nom)
929002306567	LEDBulb 10-75W E27 2700K 1PF/12 TR	827	1,055 lm	2700 K
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	865	1,055 lm	6500 K
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	827	470 lm	2700 K
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	865	470 lm	6500 K
929002433611	LEDBright 20W E27 3000K HV 1PF/12 AR	830	2,250 lm	3000 K
929002433711	LEDBright 20W E27 6500K HV 1PF/12 AR	865	2,350 lm	6500 K

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Wattage 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
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
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	90 °C
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	75 °C
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	75 °C
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
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	Energy Consumption kWh/1000 h	Ambient temperature range
929002306567	LEDBulb 10-75W E27 2700K 1PF/12 TR	10 kWh	-20 to +45 °C
929002306767	LEDBulb 10-75W E27 6500K 1PF/12 TR	10 kWh	-20 to +45 °C
929002305967	LEDBulb 5.5-40W E27 2700K 1PF/12 TR	6 kWh	-20 to +45 °C
929002306167	LEDBulb 5-40W E27 6500K 1PF/12 TR	5 kWh	-20 to +45 °C
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