



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

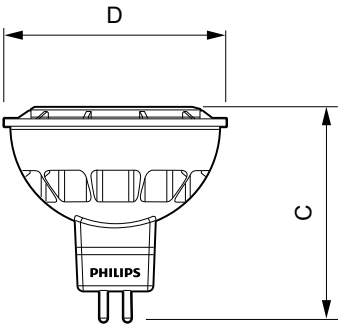
Essential LED

Versions



GU5.3 MR16

Dimensional drawing



Product	D	C
Essential LED 2.6-20W 6500K MR16 24D	49.9 mm	47.6 mm
Essential LED 2.6-20W 2700K MR16 24D	49.9 mm	47.6 mm

Essential LED

Approval and Application

Energy Consumption kWh/1000 h	4 kWh
Energy Efficiency Label (EEL)	A

Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Frequency	50 to 60 Hz
Voltage (Nom)	12 V
Wattage Equivalent	20 W
Power (Rated) (Nom)	2.6 W
Starting Time (Nom)	0.5 s

General Information

Cap-Base	GU5.3
Nominal Lifetime (Nom)	15000 h
Rated Lifetime (Hours)	15000 h
Switching Cycle	50000X

Light Technical

Beam Angle (Nom)	24 °
Color Rendering Index (Nom)	80
Light Distribution	24D
Llmf At End Of Nominal Lifetime (Nom)	70 %
Rated Beam Angle	24 °

Mechanical and Housing

Bulb Shape	MR16
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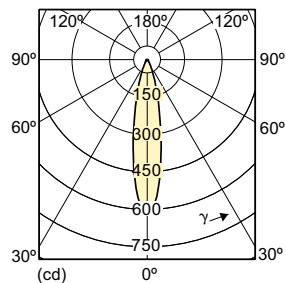
Light Technical (1/2)

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929000232708	Essential LED 2.6-20W 2700K MR16 24D	827	2700 K	135 lm	135 lm
929000232808	Essential LED 2.6-20W 6500K MR16 24D	865	6500 K	170 lm	170 lm

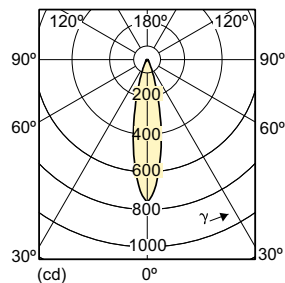
Light Technical (2/2)

Order Code	Full Product Name	Luminous Intensity (Nom)	Order Code	Full Product Name	Luminous Intensity (Nom)
929000232708	Essential LED 2.6-20W 2700K MR16 24D	460 cd	929000232808	Essential LED 2.6-20W 6500K MR16 24D	750 cd

Light Distribution Diagrams

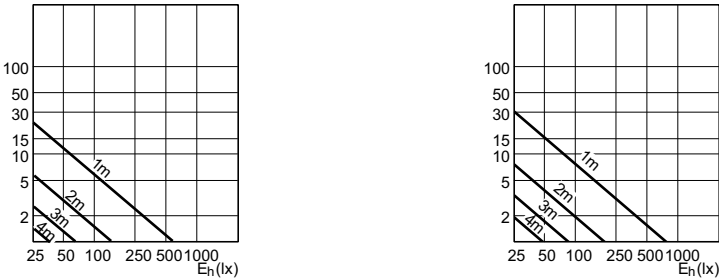


2.6-20W GU5.3 MR16 WW 24D 2700K



2.6-20W GU5.3 MR16 865 24D 6500K

Accent Diagrams



Beam Diagrams

