



# MASTER Ultra Efficient LED bulb

## MAS LEDBulbND4-60W E27 840 A60 FR G UE

This is the most efficient LED bulb from Philips brand. 210lm/W helps to concrete the company statement of sustainability. 50000 hour lifetime helps to extend the replacement cycle to reduce the waste. This is not only a high SPEC product, but also keeps the light quality of Philips brand

### Product data

General Information	
Cap base	E27
Nominal lifetime	50,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	300 degree(s)
Luminous Flux	840 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	210 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG1

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	4 W
Lamp current (nom.)	43 mA
Wattage equivalent	60 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.4
Voltage (nom.)	220-240 V
Temperature	
T-Case maximum (nom.)	70 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Glass

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Bulb shape	A60
Net Weight (Piece)	0.030 kg

## Approval and Application

Energy Efficiency Class	A
Energy consumption kWh/1,000 hours	4 kWh
EPREL Registration Number	1442615
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

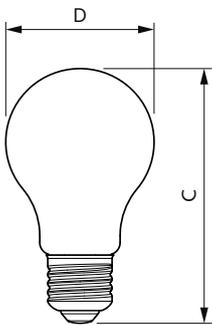
## Application Conditions

Can it be used in closed luminaires	No
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## Product Data

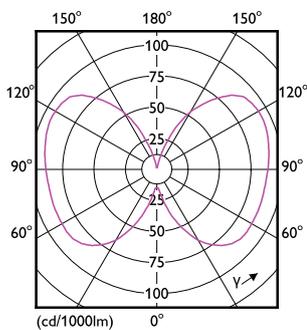
Order product name	MAS LEDBulbND4-60W E27 840 A60 FR G UE
Full product name	MAS LEDBulbND4-60W E27 840 A60 FR G UE
Full EOC	872016928428900
Order code	28428900
Material no. (12 NC)	929003624102
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169284289
Numerator – packs per outer box	10
EAN/UPC - Case	8720169188587

## Dimensional drawing

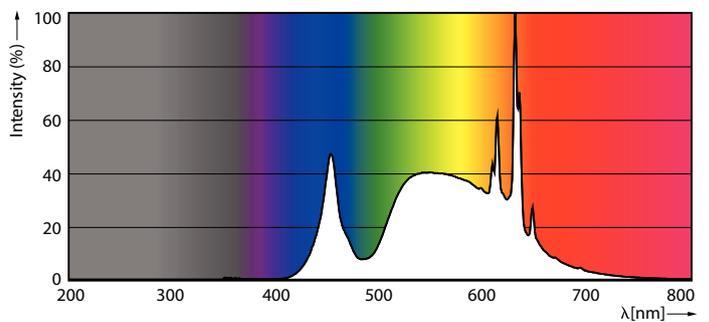


Product	D	C
MAS LEDBulbND4-60W E27 840 A60 FR G UE	60 mm	104 mm

## Photometric data



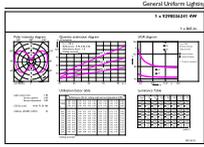
Light Distribution Diagram - MAS LEDBulbND4-60W E27 840 A60 FR G UE



Spectral Power Distribution Colour - MAS LEDBulbND4-60W E27 840 A60 FR G UE

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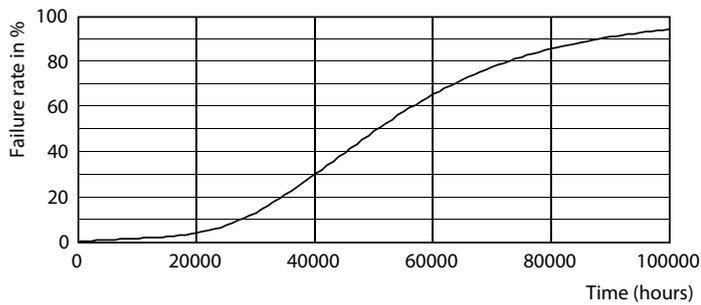
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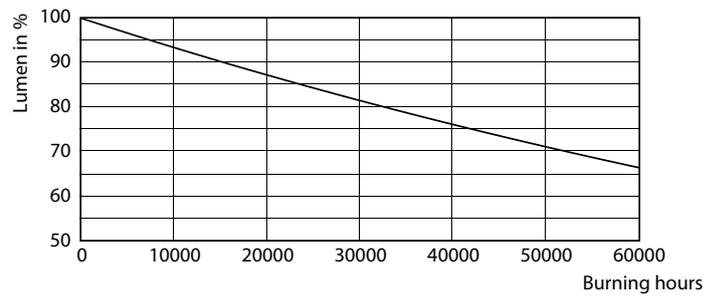
General uniform lighting - MAS LEDBulbND4-60W E27 840 A60 FR G UE

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## Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDBulbND4-60W E27 840 A60 FR G UE

