



MASTER Ultra Efficient LED bulb

MAS LEDBulbND7.3-100W E27 840 A60 FR GUE

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	1,535 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	7.3 W
Lamp current (nom.)	71 mA
Wattage equivalent	100 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)	0.035 kg

Approval and Application

Energy Efficiency Class	A
Energy consumption kWh/1,000 hours	8 kWh
EPREL Registration Number	1442631
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

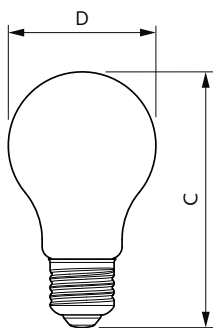
Application Conditions

Can it be used in closed luminaires	No
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Product Data

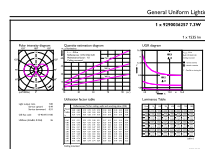
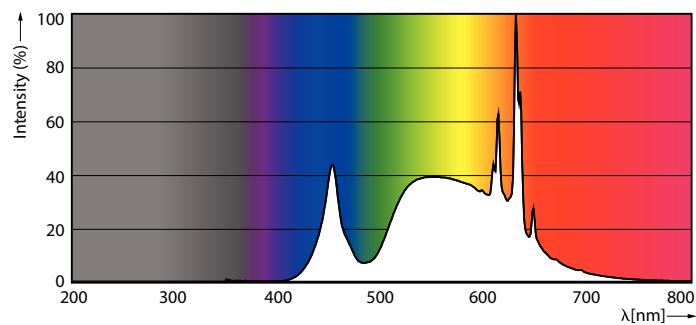
Order product name	MAS LEDBulbND7.3-100W E27 840 A60 FR GUE
Full product name	MAS LEDBulbND7.3-100W E27 840 A60 FR GUE
Full EOC	872016918889100
Order code	18889100
Material no. (12 NC)	929003625702
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169188891
Numerator – packs per outer box	10
EAN/UPC - Case	8720169188907

Dimensional drawing



Product	D	C
MAS LEDBulbND7.3-100W E27 840 A60 FR GUE	60 mm	104 mm

Photometric data

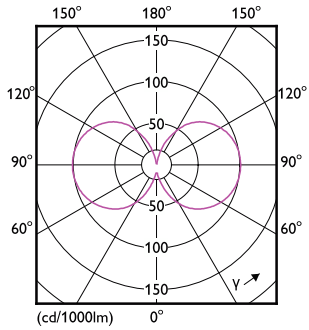


Spectral Power Distribution Colour - MAS LEDBulbND7.3-100W E27 840 A60 FR GUE

General uniform lighting - MAS LEDBulbND7.3-100W E27 840 A60 FR GUE

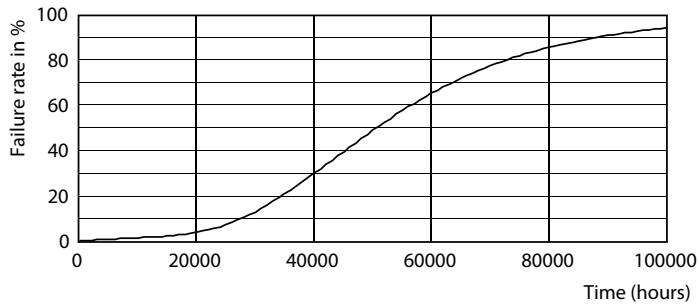
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Photometric data



Light Distribution Diagram - MAS LEDBulbND7.3-100W E27 840 A60 FR GUE

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDBulbND7.3-100W E27 840 A60 FR GUE

