

Philips MASTER

LEDbulb 7-40 W and 10-60 W E27/B22 2700 K 230 V

The first dimmable LED replacement for a 40 W and 60 W GLS bulb with warm white light all around.

Philips MASTER LEDbulb integrates leading high power LED light source and compact high efficiency driver into a traditional incandescent A-shape form-factor. Not only does it employ hi-tech IC solution to ensure the dimming system control, it also delivers high quality light, all-around the lamp, to ensure direct replacement of GLS bulbs in every application. Unlike the traditional incandescent lamps, the MASTER LEDbulb offers 80% energy saving and a longer lifetime of 25,000 hours (equivalent to 15 years if lit 4 hours a day). This is especially ideal for 24/7 applications to ensure minimum maintenance cost and maximum energy saving.











- Form factor is designed as a direct retrofit into A60 fixtures
- · 40 W 470 lm, 60 W 806 lm
- · Long lifetime of 25,000 hours
- · Warm light all around
- CCT: 2700 K
- 7 W/10 W replaces traditional 40 W/60 W
- · No UV and no heat in the beam
- Environmental friendly, no mercury and RoHS compliance

6 Compatible with all major dimmer brands"



Application areas

The warm light and dimming effect makes it ideal for general lighting applications in the retail and hospitality industry by offering their guests a differentiating ambiance and unique experience in public areas like:

- Luxury restaurants
- · Elite shops
- Corridors/Stairways/Washrooms
- · Lobby/Reception areas
- Hotel rooms/Bars

Application notes

- Operating temperature range is between -20 °C and 45 °C ambient
- Only to apply in dry or damp locations and open fixtures with E27/B22 lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights
- For use in fixtures that can stryctrally support a lamp weighing one quarter kilogram

Product features

Technical Specifications

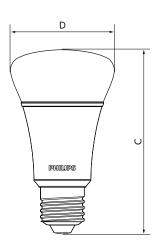
Product type	Voltage	Wattage	Base	Power	Color	Light	Lifetime	CRI	Dimmable*
				Factor	temp.	Output			
	(V)	(W)			(K)	(Lm)	(hours)		
Philips MASTER LEDbulb 7-40W 2700K E27	220-240	7	E27	0.9	2700	1521	25,000	80	Yes
Philips MASTER LEDbulb 7-40W 2700K B22	220-240	7	B22	0.9	2700	1521	25,000	80	Yes
Philips MASTER LEDbulb 10-60W 2700K E27	220-240	10	E27	0.9	2700	1055	25,000	80	Yes
Philips MASTER LEDbulb 10-60W 2700K B22	220-240	10	B22	0.9	2700	1055	25,000	80	Yes

 $^{^{*}}$ For information about dimming compatibility we would like to refer to the recommended dimmerlist on the Philips LED Lamps website: www.philips.com/masterledlamps

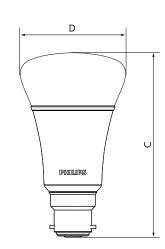
Dimensions

Туре	C max.	D max.	Weight
	Overall Length	Diameter	
	Novallure (mm)	Novallure (mm)	(gr)
Philips MASTER LEDbulb 7-40W 2700K E27	109.6	61.5	135
Philips MASTER LEDbulb 7-40W 2700K E27	109.6	61.5	135
Philips MASTER LEDbulb 10-60W 2700K E27	109.6	61.5	152
Philips MASTER LEDbulb 10-60W 2700K B22	109.6	61.5	152

MASTER LEDbulb E27

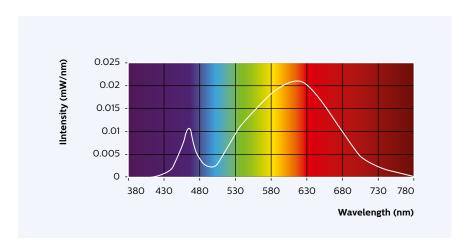


MASTER LEDbulb B22

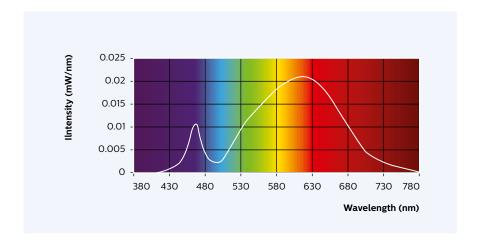


Spectral Power Distribution

Spectrum Philips MASTER LEDbulb 7-40 W 2700 K

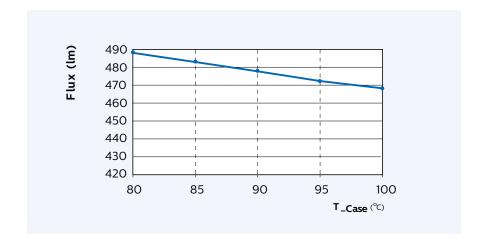


Spectrum Philips MASTER LEDbulb 10-60 W 2700 K



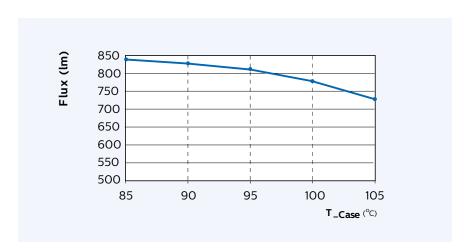
Temperature

Philips MASTER LEDbulb 7-40 W 2700 K





Philips MASTER LEDbulb 10-60 W 2700 K



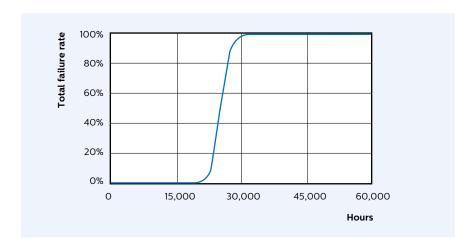


Lumen Maintenance Philips MASTER LEDbulb 7-40 W and 10-60 W



Lifetime + Sustainability

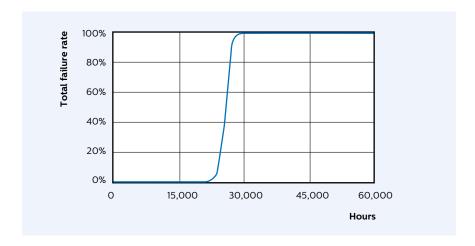
Failure Rate Curve of MASTER LEDbulb 7-40 W 2700 K



MASTER LEDbulb has a lifetime exceeding 25,000 hours defined as (F50, L70), where:

- PHILIPS MASTER LEDbulb lamp has a lifetime of 25,000 hours, defined as the number of hours when 50% of a large group of identical lamps falls below 70% of its initial lumens
- Lifetime estimation based on the application environment condition at room temperature (25 °C @ 10 mm), base down burning position, and at rated voltage

Failure Rate Curve Philips MASTER LEDbulb 10-60 W 2700 K



Photometric Diagrams

60

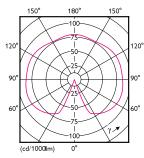


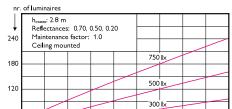
MASTER LEDbulb 7-40 W E27

Light output ratio	1.00
Service upward	0.52
Service downward	0.48

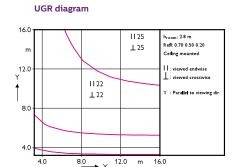
CIE flux code	17 44 72 48 100
UGRcen (4Hx8H, 0.25H)	22

Polar intensity diagram





Quantity estimation diagram



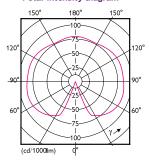
PHILIPS

MASTER LEDbulb 7-40 W B22

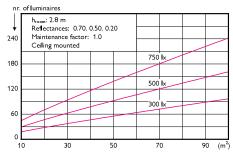
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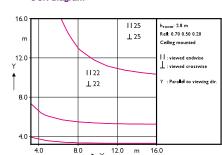
Polar intensity diagram



Quantity estimation diagram



UGR diagram



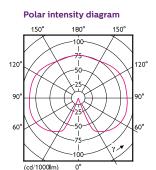
Photometric Diagrams

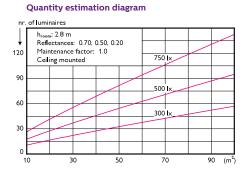


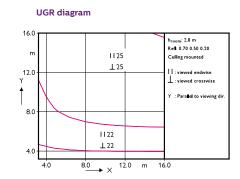
MASTER LEDbulb 10-60 W E27

Light output ratio	1.00
Service upward	0.52
Service downward	0.48

CIE flux code	16 43 72 48 100
UGRcen (4Hx8H, 0.25H)	24





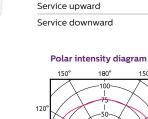




MASTER LEDbulb 10-60 W B22

Light output ratio	1.00
Service upward	0.52
Service downward	0.48

CIE flux code	16 43 72 48 100
UGRcen (4Hx8H, 0.25H)	24



(cd/1000lm)



