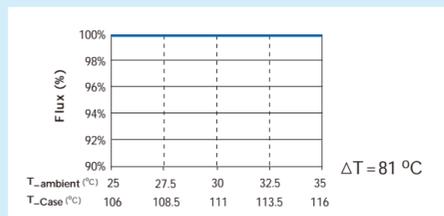


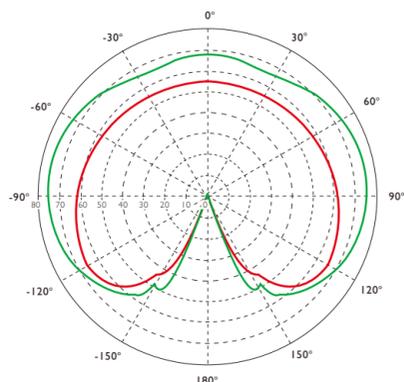
Temperature

PHILIPS MASTER LEDbulb 12-60W E27 2700K 230V A60 is designed for operation in all A60 lighting installations in open fixtures, 10mm free air space is needed around the lamp housing to ensure long-life.



Polar Diagram Comparison

— 60W GLS
— MASTER LEDbulb 12W 2700K A60



Technical Application Guide for PHILIPS LED Lamps

PHILIPS MASTER LEDbulb 12-60W E27 2700K 230V A60



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07/2010
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PHILIPS
sense and simplicity

Introduction



PHILIPS MASTER LEDbulb 12-60W E27 2700K 230V A60 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 a light intensity and quality which meets the Energy Star standard of 60W lamp.

As a replacement for the most commonly used incandescent model, PHILIPS MASTER LEDbulb 12-60W E27 2700K 230V A60 is ideal for wide applications of general lighting, and industrial OEM equipment lighting in open luminaries.

Design Highlights

- Up to 80% energy saving
- Unique "remote phosphor" technology to deliver soft white light and a compact A-shape
- Long lifetime of 25,000 hours (L70, B50)
- Form-factor is designed as a direct retrofit into A60 fixtures
- Dimmable with recommended dimmers
- CCT 2700K offered
- No UV and Cool Beam (no IR)
- Environmental friendly, no mercury or any other hazardous substances
- RoHS compliant

Application Areas

PHILIPS MASTER LEDbulb 12-60W E27 2700K 230V A60 lamp is suitably designed for spot and general lighting applications in hospitality and retail industries.

Unlike the traditional incandescent lamps, PHILIPS MASTER LEDbulb 12-60W E27 2700K 230V A60 offers 80% energy saving and a longer lifetime of 25,000hours (equivalent to 5.7 years if lit 12hrs a day), especially ideal for 24/7 applications to ensure minimum maintenance cost and maximum energy saving in hotels, restaurants, cafes and shops, especially suitable for various applications in the public areas such as:

- Corridors / Stairway / Washroom
- Lobby / Reception areas
- Hotel rooms / Bars

Application Notes

- Operating temperature range is between -20°C and 45°C ambient
- Only to apply in dry indoor environments and open fixtures with E27 lamp-holder that offer sufficient space (10mm free air)
- Dimmable with most of leading edge dimmers in NAM market (refer to the recommended dimmer list on the last page)
- Not intended for use with emergency light fixtures or exit lights
- For use in fixtures that can structurally support a lamp weighing one pound

Certifications



Product Design

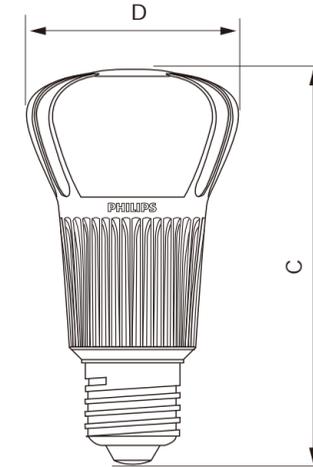
Technical Specifications

Product type	Voltage (V)	Power (W)	Base	Power Factor	Flux (lm)	Beam Angle	CCT	Lifetime (hrs)	CRI	Dimmable
MASTER LEDbulb 12-60W E27 2700K 230V A60	120	12	E27	0.7	806	310D	2700K	25,000	80	Yes

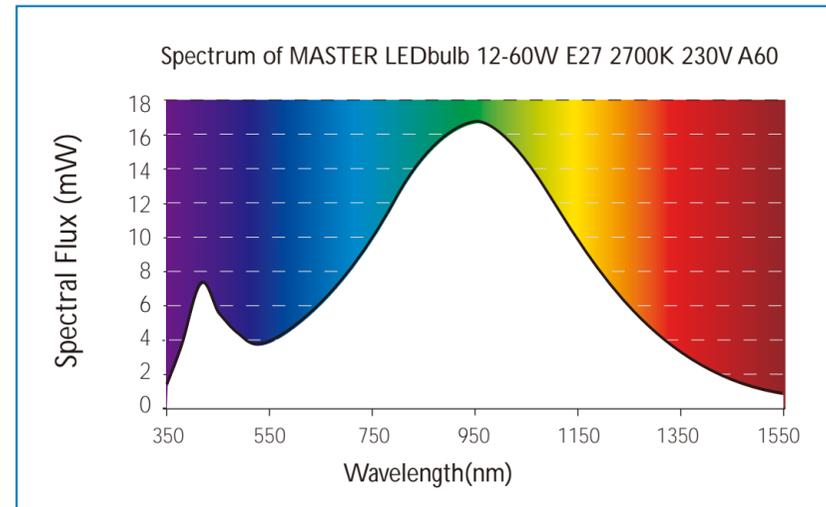
Fixture Compatibility

PHILIPS MASTER LEDbulb 12-60W E27 2700K 230V A60 is 100% form-factor compatible with all Halogen A60 lighting fixtures.

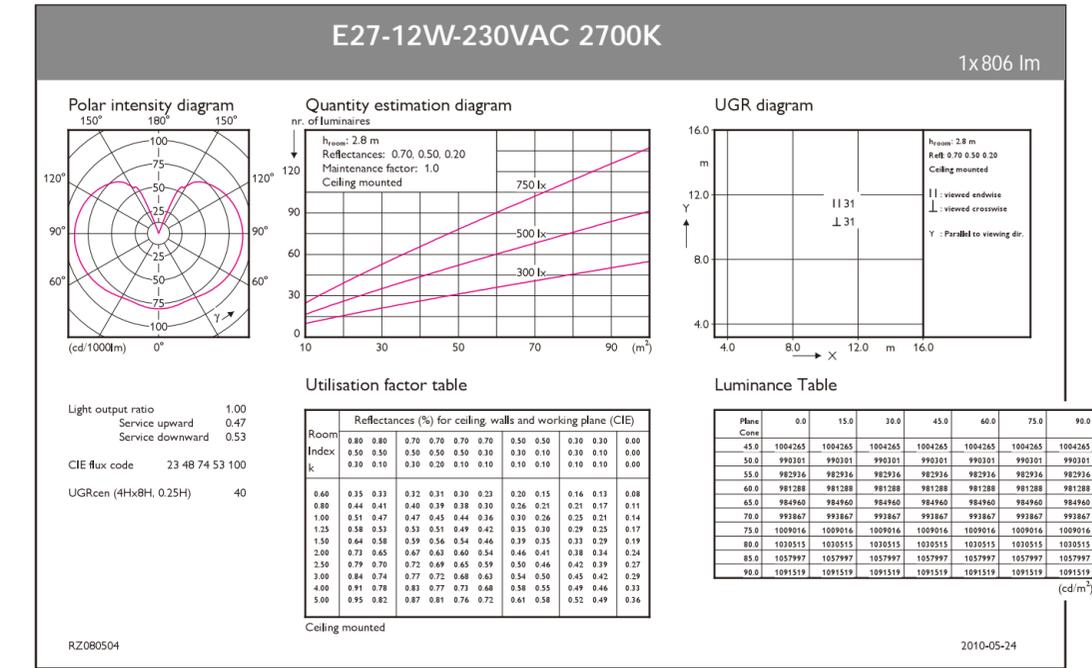
Type	C Max. AOL (mm)	D Max. Diameter (mm)	Weight (kg)
MASTER LEDbulb 12-60W E27 2700K 230V A60	109.5	58.25	0.176



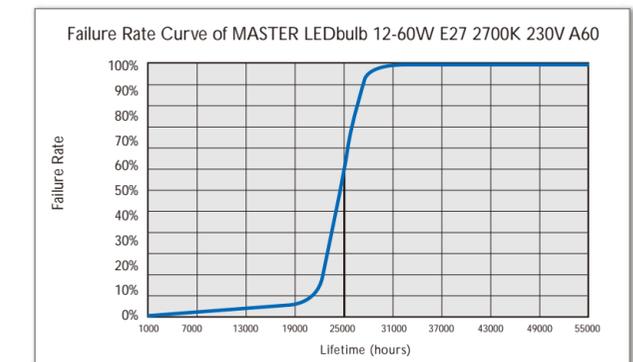
Spectral Power Distribution



Photometric Diagrams



Lifetime + Sustainability



- PHILIPS MASTER LEDbulb 12-60W E27 2700K 230V A60 lamp has a lifetime of 25,000 hours, defined as the number of hours when 50% of a large group of identical lamps below 70% of its initial lumens.
- Lifetime estimation based on the application environment condition: at room temperature (25°C), free air burning, base down burning position, and at rated voltage.