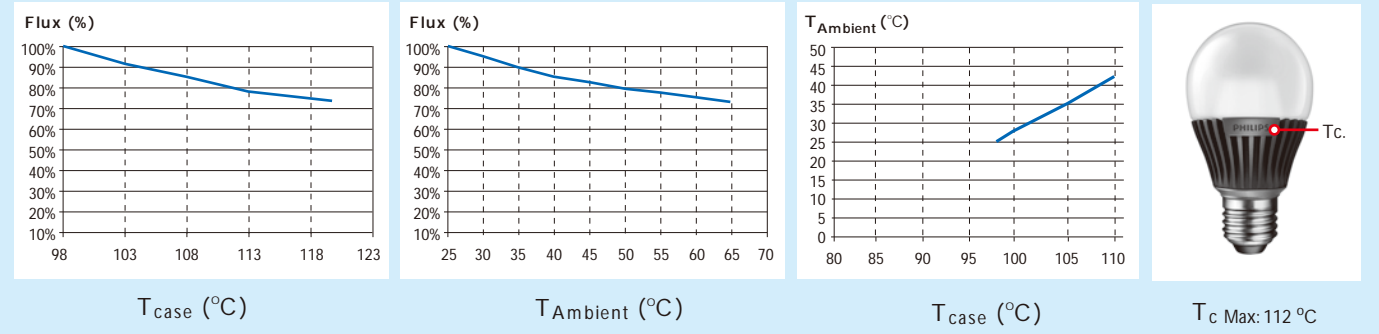


Temperature

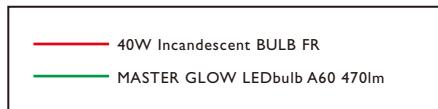
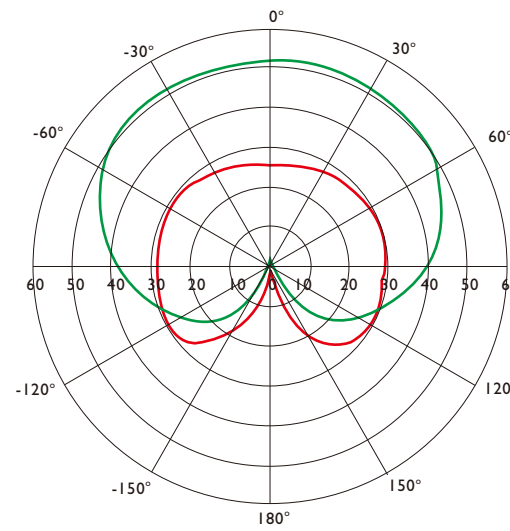
MASTER GLOW LEDbulb A60 is designed for operation in all A60 lighting installations: in open fixtures, where 10mm free air is needed around the lamp house to ensure long-life.



Polar Diagram Comparison

Philips A60 bulb

The chart to the right shows that MASTER GLOW LEDbulb A60 is completely comparable with 40W Incandescent bulb in total light output, even beyond in the direction forwards.



Recommended Dimmer List

| Nr | Producer | Country | Type | Type | Load | Max No. of lamps |
|----|--------------|------------|--------------|------|---------|------------------|
| 1 | Schneider | Sweden | SD300 | R | 60-300W | 7 |
| 2 | Everflourish | Sweden | EF0700DA | R | 50-300W | 7 |
| 3 | Bush Jaeger | Germany | 2247U | RL | 20-500W | 8 |
| 4 | Bush Jaeger | Germany | 2250U | R | 60-600W | 8 |
| 5 | Bush Jaeger | Germany | 2200 | R | 60-400W | 8 |
| 6 | Jung | Germany | 266GDE | R | 60-600W | 8 |
| 7 | Gira / Insta | Germany | 030200 100 | R | 60-600W | 8 |
| 8 | VIKO | Bulgaria/H | VIKO | RL | 600W | 8 |
| 9 | METESAN | Bulgaria/H | Merlin Gerin | R | 600W | 8 |
| 10 | Jung | Insta | 225 NV DE | RL | 20-500W | 8 |
| 11 | N&L | | 433/4 | R | 60-400W | 8 |
| 12 | BERKER | Insta | 2830 10 | R | 60-400W | 8 |
| 13 | Opus | | 852.39 | R | 60-400W | 8 |
| 14 | Drespa | | | R | 60-400W | 8 |
| 15 | NIKO | | 09-013 | R | 35-320W | 8 |

* MASTER GLOW LEDbulb A60 is dimmable with most of leading edge dimmers in Europe market, and dimming level is as low as 10%.



New Generation of Energy Saving Light

MASTER GLOW LEDbulb A60



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 sense and simplicity

Introduction



The design of MASTER GLOW LEDbulb A60 integrates high power LED light sources with an excellent thermal management solution in a standard incandescent form-factor. Unique phosphor Lumi-sphere design allows for glow effect, plus dimming effect to create a variety of differentiating ambience. It is comparable with 40W Incandescent bulb for true replacement without concession on quality of light.

MASTER GLOW LEDbulb A60 is ideal for wide applications of general lighting, and industrial OEM equipment lighting in open luminaires or recessed fixtures.

Design Highlights

- Unique phosphor Lumi-sphere design for differentiating ambience
- 8W power consumption
- Long lifetime of 25,000 hours (L70, B50)
- Operates at 230VAC
- Form-factor is designed as a direct retrofit into A60 fixtures
- CCT 2700K offered
- Dimmable down to 10%
- E27 and B22 base available
- Frosted bulb finished
- No UV and Cool Beam (no IR)
- Environmental friendly, no mercury or any other hazardous substances
- RoHS compliant
- CE declared
- EEL: Class A
- Light all around beam angle 250°

Application Areas

Unique glow effect and dimming performance make glow bulb ideal for hospitality industry such as elite shops, luxury restaurants, 5-star hotels and bars to enhance their brand by offering their guests a differentiating ambience and unique experience.

Unlike the traditional incandescent lamps, MASTER GLOW LEDbulb 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.

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 or B22 lamp-holder that offer sufficient space (10mm free air)
- Dimmable with most of leading edge dimmers in European market (refer to the recommended dimmer list on the last page), dimming level is as low as 10%
- Not intended for use with emergency light fixtures or exit lights
- For use in fixtures that can structurally support a lamp weighing one pound

Product Design

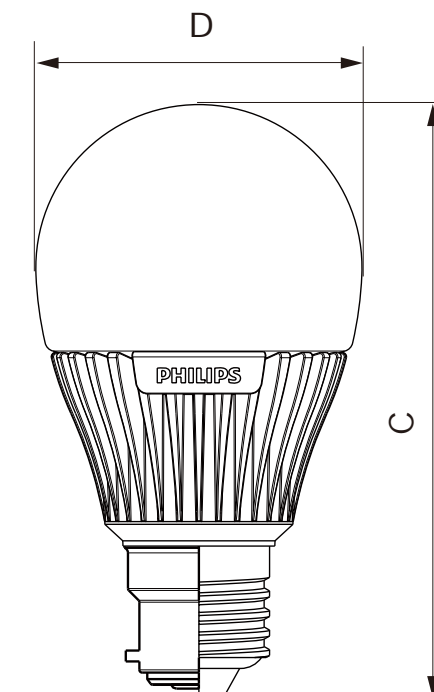
Technical Specifications

| Product name | Wattage (W) | Cap Base | CRI | Luminous Flux (lm) | Lifetime (hrs) | Voltage (V) | Beam Angle (°) | CCT | Beam Intensity (Cd) | Dimmable |
|-------------------------|-------------|----------|-----|--------------------|----------------|-------------|----------------|-------|---------------------|----------|
| MASTER GLOW LEDbulb A60 | 8 | E27 | 80 | 470 | 25000 | 230 | 250 | 2700K | n/a | yes |
| MASTER GLOW LEDbulb A60 | 8 | B22 | 80 | 470 | 25000 | 230 | 250 | 2700K | n/a | yes |

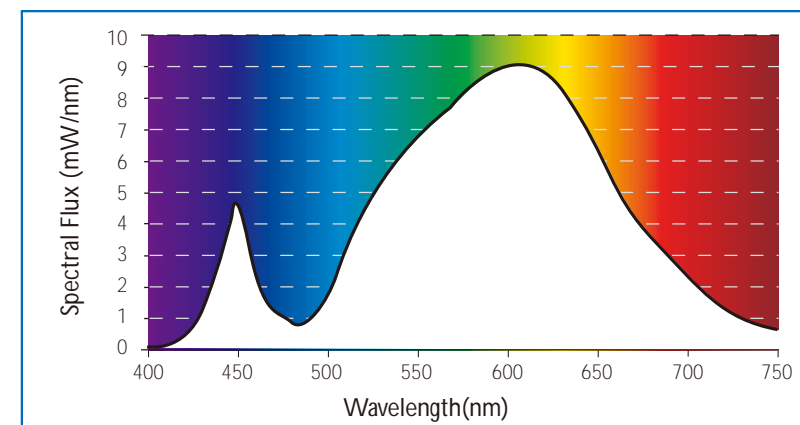
Fixture Compatibility

MASTER GLOW LEDbulb A60 is compatible with all A60 lighting fixtures with E27 or B22 holder.

| Type | C max. Overall length (mm) | D max. Diameter (mm) | Weight (kg) |
|---------------------|----------------------------|----------------------|-------------|
| MASTER GLOW LEDbulb | 110 | 60.5 | 0.12 |

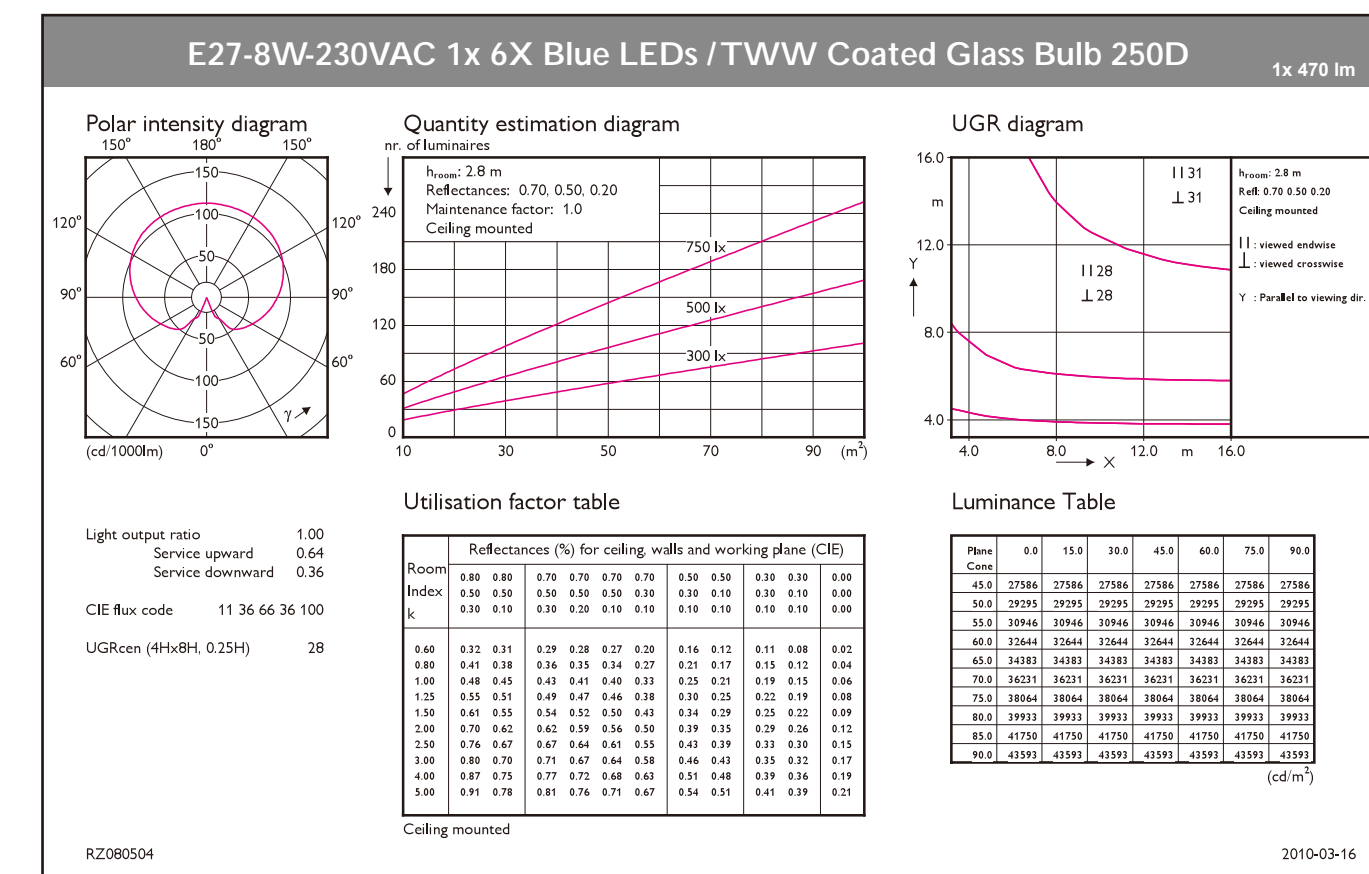


Spectral Power Distribution

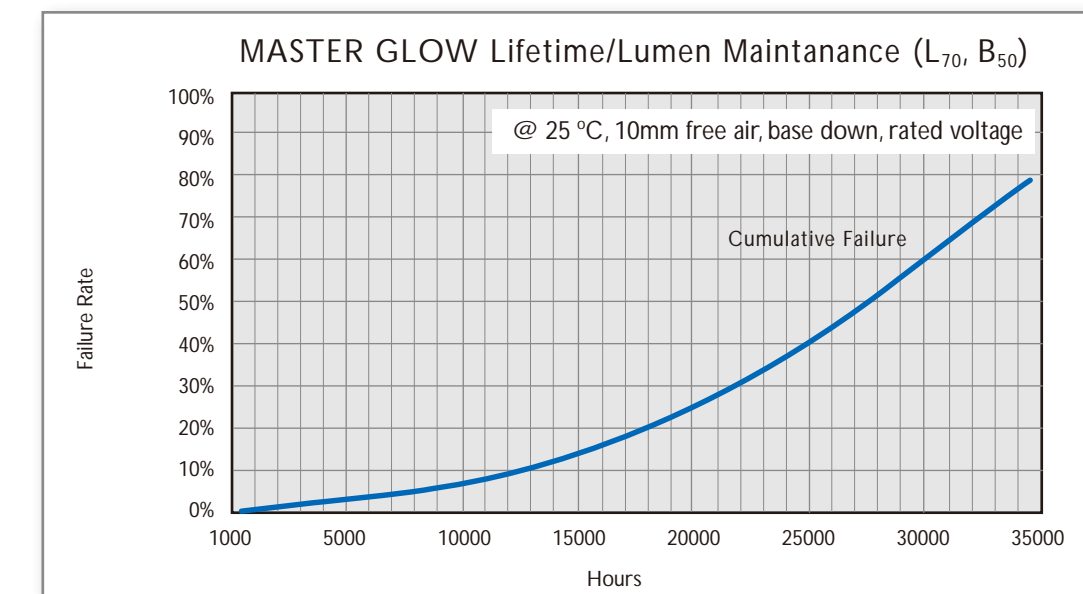


| Wavelength in nm | Spectral Flux in mW | Wavelength in nm | Spectral Flux in mW | Wavelength in nm | Spectral Flux in mW | Wavelength in nm | Spectral Flux in mW |
|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|
| 350 | 0.02 | 460 | 3.80 | 570 | 7.67 | 680 | 3.78 |
| 360 | 0.02 | 470 | 2.63 | 580 | 8.41 | 690 | 3.10 |
| 370 | 0.03 | 480 | 1.98 | 590 | 8.92 | 700 | 2.49 |
| 380 | 0.03 | 490 | 1.96 | 600 | 9.14 | 710 | 2.00 |
| 390 | 0.03 | 500 | 2.29 | 610 | 9.05 | 720 | 1.59 |
| 400 | 0.03 | 510 | 2.79 | 620 | 8.68 | 730 | 1.25 |
| 410 | 0.04 | 520 | 3.36 | 630 | 8.05 | 740 | 0.98 |
| 420 | 0.12 | 530 | 4.05 | 640 | 7.25 | 750 | 0.77 |
| 430 | 0.45 | 540 | 4.87 | 650 | 6.36 | 760 | 0.61 |
| 440 | 1.35 | 550 | 5.80 | 660 | 5.44 | 770 | 0.47 |
| 450 | 3.46 | 560 | 6.79 | 670 | 4.54 | 780 | 0.37 |

Photometric Diagrams



Lifetime + Sustainability



PHILIPS MASTER GLOW LEDbulb A60 lamp has a lifetime exceeding 25,000 hours defined as (L70, B50), where:

- L70 refers to 70% lumen maintenance
- B50 refers to no more than 50% of the products dropping below 70% of their initial lumen value after 25,000 hours
- Lifetime estimation based on the application condition: at room temperature (25°C), in 10mm free air burning, base down burning position, and at rated voltage