

# LED A Lamp B2B – A60 Filament 40W E27

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## 1. Specification:

### A. General Data

<b>Model</b>	Non Dimmable A60 Filament 40W E27
<b>Product Code</b>	00101760993A
<b>P/N</b>	MMR-27SWPD5C6F51Ex
<b>Rated Voltage</b>	230 VAC
<b>Frequency</b>	50 Hz
<b>Rated Wattage</b>	4.5 W
<b>Deviation Tolerance of Wattage</b>	±10 %
<b>Power Factor (Input 230V, 50Hz)</b>	0.75(typical)
<b>Maximum Input Current (Input 230V)</b>	32 mA
<b>Start On</b>	<0.5S
<b>Dimmable</b>	NO
<b>Beam Angle</b>	320°
<b>EEL</b>	0.107
<b>Energy Class</b>	A++
<b>Safety requirements</b>	CE
<b>Applicable Environments</b>	Dry and damp locations; Not suitable for totally enclosed fixtures
<b>Incandescent Equivalent</b>	40W
<b>Base</b>	E27

B. Light Data

<b>Color</b>	Warm White
<b>Color Temperature (CCT)</b>	2700 K
<b>Rated Lumen Output*</b>	470 lm
<b>Color Rendering Index*</b>	80
<b>Efficacy*</b>	104 lm/W
<b>Color Consistency**</b>	6 Step MacAdam Ellipse (6 SDCM)

\* tolerance +/- 10% \*\* center point (0.463, 0.42)

C. Lifetime

(Supplied Voltage: AC230V; Ambient Temperature: 15°C~40°C)

<b>Lumen Maintenance Factor</b>	70% of the rated lifetime
<b>Rated Lifetime – L<sub>70</sub>B<sub>50</sub></b>	15,000 hrs
<b>Switching Cycles</b>	≥ 15,000

D. Temperature Operation

<b>Normal operation temperature</b>	-20°C ~ 40°C
<b>Relative Humidity</b>	10% ~ 90%

E. Geometric Data

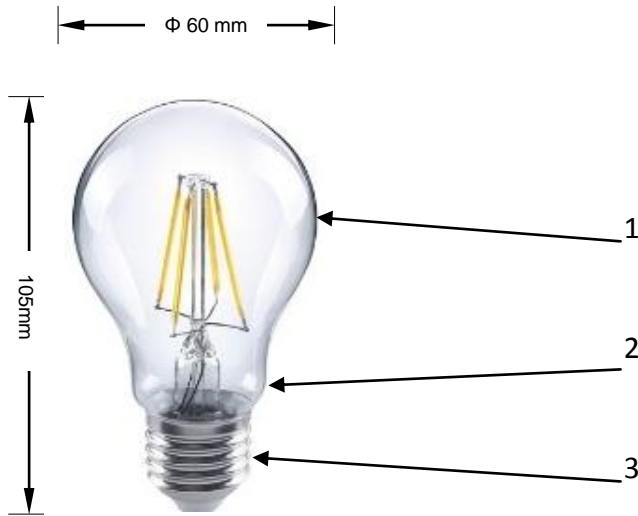
<b>Maximum overall length</b>	105 ± 5 mm ( 4.134 ± 0.197 inch )
<b>Maximum diameter</b>	60 ± 5 mm ( 2.362 ± 0.197 inch )
<b>Mass</b>	31.5 ± 5 g

F. Environmental relevant materials

<b>Mercury (Hg)</b>	Comply with RoHS Directive 2011/65/EU
<b>Lead (Pb)</b>	
<b>Cadmium(Cd)</b>	
<b>Hexavalent Chromium(Cr6+)</b>	
<b>Polybrominated Biphenyls(PBBs)</b>	
<b>Polybrominated Diphenyl Ethers(PBDEs)</b>	

## 2. Outline Drawing

Unit : mm

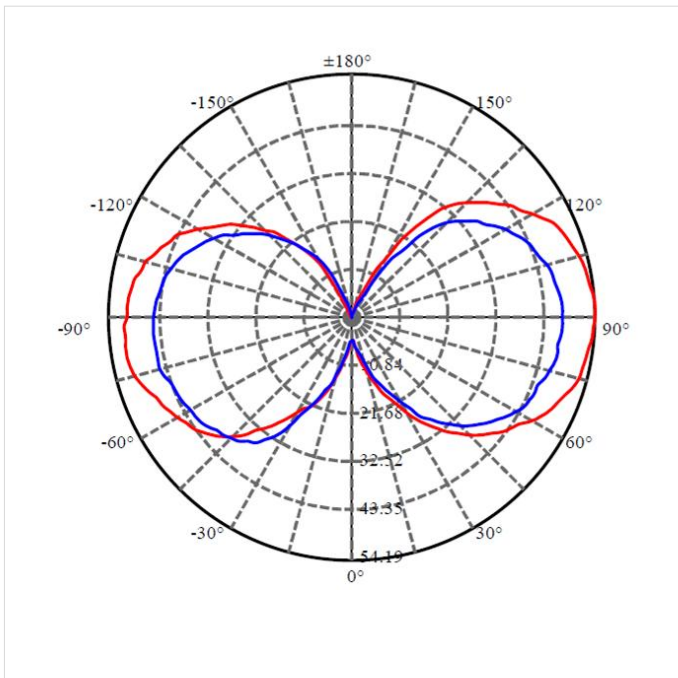


### Material Information

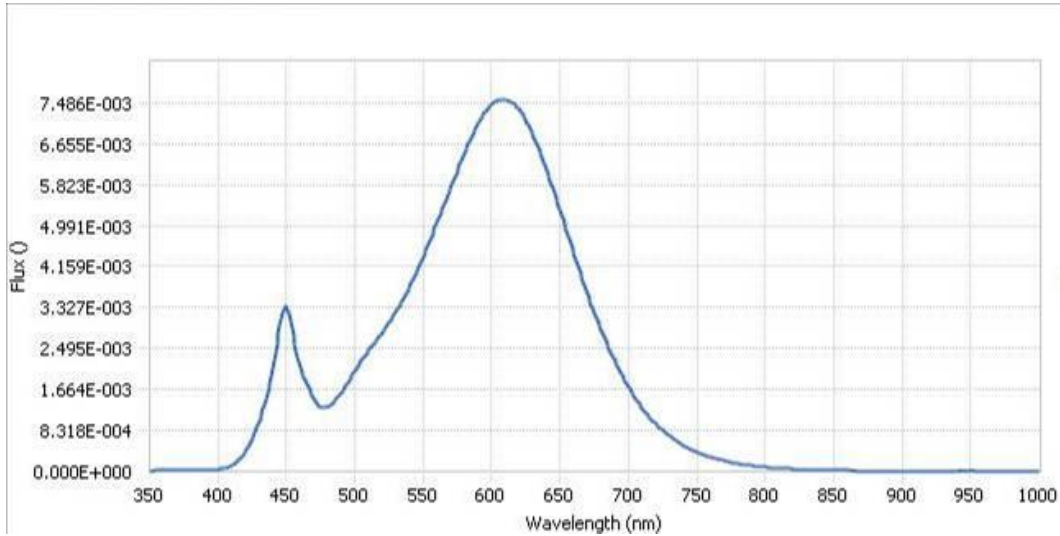
1. Globe : Glass
2. Body : Glass
3. Base : Metal

## 3. Light Distribution Curve

FWHM 320°



## 4. Spectrum Distribution



## 5. Warnings

Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.

## 6. Cautions

Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space). Not intended for use with emergency light fixtures or exit lights.

## 7. Notes

All characteristics are estimated at room temperature (25°C), free air burning, base up burning position and at rated voltage. In view of the complex manufacturing process for light above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technic individual products may vary from the typical values.

## 8. Logistic information

<b>Model</b>	Non Dimmable A60 Filament 40W E27
<b>Pieces per pack</b>	1
<b>Product Code</b>	00101760993A
<b>EAN code on pack</b>	4712947609937
<b>Size of pack</b>	67×67×120 mm
<b>Weight per pack (G.W)</b>	0.053 kg
<b>Packs per inner box</b>	N/A
<b>EAN code on inner box</b>	N/A
<b>ITF code on inner box</b>	N/A
<b>Size of inner box</b>	N/A
<b>Weight per inner box(G.W)</b>	N/A
<b>Packs per outer box</b>	120
<b>EAN code on outer box</b>	4712947609951
<b>ITF code on outer box</b>	54712947609932
<b>Size of outer box</b>	550×370×355 mm
<b>Weight per outer box(G.W)</b>	7.6 kg

## 9. Conformity

<b>2014/35/EU; Low Voltage Directive</b>	EN 62560: 2012 、 EN 62471: 2008 、 EN 62493: 2010
<b>2014/30/EU; EMC Directive</b>	EN 55015: 2013+A1 、 EN 61547: 2009 EN 61000-3-2: 2014 、 EN 61000-3-3: 2013
<b>2009/125/EC; ErP Directive</b>	EU Regulation 244/2009 、 874/2012 、 1194/2012
<b>2011/65/EU; RoHS Directive</b>	EN 50581: 2012

## **10. Business Scheme (Countries)**

### A. Applicable countries

France, Italy, Belgium, Spain, Morocco, Portugal, Netherlands, Luxembourg, Germany, Turkey, Greece, Austria, Switzerland, Bulgaria, Poland, Hungary, Israel, Sweden, Norway, Ireland, England

Note : The requirement of each country will be reflected to the product specifications, when the products will be shipped to such country.

### B. Manufacture

Unity Opto Technology Co., Ltd.

### C. Sales channel

B2B flow and B2C