

UNITY OPTO TECHNOLOGY CO., LTD.

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A60 6.5W LED Lamp



1. Specification :

A: General Data

Model	A60 6.5W Warm White	A60 6.5W Warm White
P/N	MMR-27SWN06B2S00	MMR-27SWP06B2S00
Product Code	00101760005A	00101760004A
Rated Voltage	230VAC	230VAC
Frequency	50 Hz	50 Hz
Rated Wattage	6.5W	6.5W
Deviation Tolerance of Wattage	±10%	±10%
Power Factor (Input 230V, 50Hz)	> 0.8	> 0.8
Start On Duration	<0.5S	<0.5S
Dimmable	YES	NO
Beam Angle	270°	270°
EEI	0.13	0.13
Energy Class	A+	A+
Safety requirements	CE	CE
Applicable Environments	Dry and damp locations; Not suitable for totally enclosed fixtures	Dry and damp locations; Not suitable for totally enclosed fixtures
Incandescent Equivalent	40W	40W
Base	E27	E27

*Dimmer P/N :Jung 266GDE 、 Gira 0302 00/101 、 Schneider UNICA 511 、 Busch 6513 U-102 、 Jung 225 T DE

*Dimming Range : 22%~100%

B. Light Data

Color	Warm White
Color Temperature(CCT)	2700 K
Rated Lumen Output*	470 lm
Color Rendering Index**	90
Efficacy	73 lm/W
Color Consistency***	6 Step MacAdam Ellipse (6 SDCM)

* tolerance +/- 10% ** min. *** Center point (0.45766, 0.40983)

C. Lifetime

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

Lumen Maintenance Factor	70% of the rated lifetime
Rated Lifetime – L ₇₀ B ₅₀	15,000 hrs
Switching Cycles	≥ 25,000

D. temperature Operation

Normal operation temperature	-20°C ~ 40 °C
Relative Humidity	10 ~ 90 %

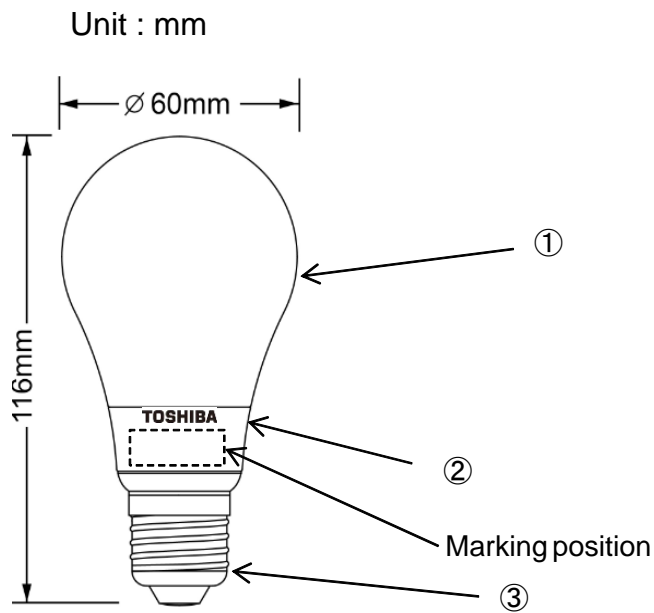
E. Geometric Data

Maximum overall length	116 ± 2 mm (4.567 ± 0.08 inch)
Maximum diameter	60 ± 2 mm (2.375 ± 0.08 inch)
Mass	54 ± 5 g

F. Environmental relevant materials

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

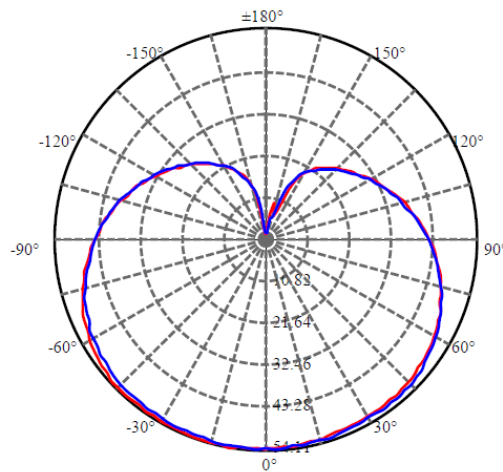
2. Outline Drawing



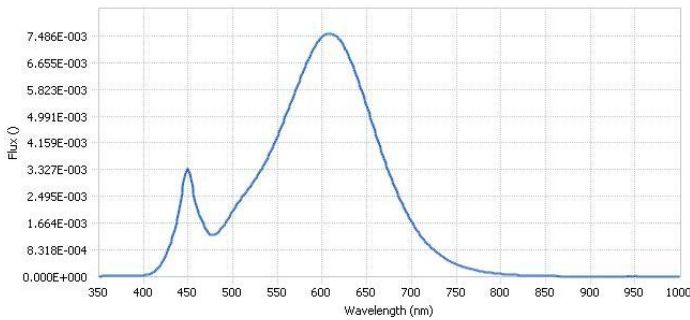
Material Information

- ① Globe: Plastic
- ② Body: Metal
- ③ Base: Metal

3. Light Distribution Curve



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

	Dimmable	Non-dim
Pieces per pack	1	
Product Code	00101760005A	00101760004A
EAN code on pack	4712947600057	4712947600040
Size of pack	170.5×126×51 mm	
Weight per pack	82g	
Packs per inner box	4	
ITF code on inner box	14712947600054	14712947600047
Size of inner box	309×148 ×179 mm	
Weight per inner box	550g	
Packs per outer box	48	
ITF code on outer box	24712947600051	24712947600044
Size of outer box	650×475×395 mm	
Weight per outer box	8400g	

9. Conformity

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