

LED Dimmable SMD Bulb- A60 5.5W

Authorized Licensee for TOSHIBA trademark



1. Specification:

A. General Data

Model	A60 Dimmable 5.5W E27 2700K	A60 Dimmable 5.5W E27 3000K	A60 Dimmable 5.5W E27 4000K	A60 Dimmable 5.5W E27 6500K
P/N	DELS-BLW45P5A 8DE51	DELS-BL345P5A8 DE51	DELS-BL445P5A8 DE51	DELS-BLC45P5A 8DE51
Rated Voltage	230 VAC			
Frequency	50 Hz			
Rated Wattage	5.5 W			
Deviation Tolerance of Wattage	±10 %			
Rated Current	0.028 A			
Maximum Input Current	0.032 A			
Start On	<0.5S			
Warm up time	<1S			
Dimmable	YES			
Beam Angle	180°			
Energy Efficiency Class(EEC)	F			
Peak luminous intensity(cd)	Non-directional			
R9 CRI	>0			
Survival factor	0.9			

Safety requirements	CE
Displacement factor (cos φ1)**	>0.5
Stroboscopic effect metric (SVM)	0.9
Flicker metric (PstLM)	1
Applicable Environments	Dry locations; Not suitable for totally enclosed fixtures
Ingress protection rating	IP20
Impact resistance	N.A
Incandescent Equivalent	40W
Base	E27
Photobiological Group	RG 1

* Displacement factor tolerance +/- 10%

B. Light Data

Color	Soft White	Warm White	Natural White	Cool White
Color Temperature (CCT)	2700K	3000K	4000K	6500K
Lumen Output* (φ Total °)	470 lm			
Color Rendering Index*	≥ 80			
Efficacy(φ Total °)	85.5 lm/W			
Color Consistency**	6 Step MacAdam Ellipse (6 SDCM)			

* tolerance +/- 10%

** 2700K center point (0.445766, 0.40983) · center point (0.4338, 0.403) · 4000K center point (0.3818, 0.3796) · 6500K center point (0.3123, 0.3283)

C. Lifetime

(Supplied Voltage: AC 230V ; Ambient Temperature: 25°C)

Lumen Maintenance Factor	70% of the rated lifetime
Rated Lifetime – L_{70B50}	15,000 hrs
Lumen Maintenance factor	93.1%

D. Temperature Operation

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

E. Geometric Data

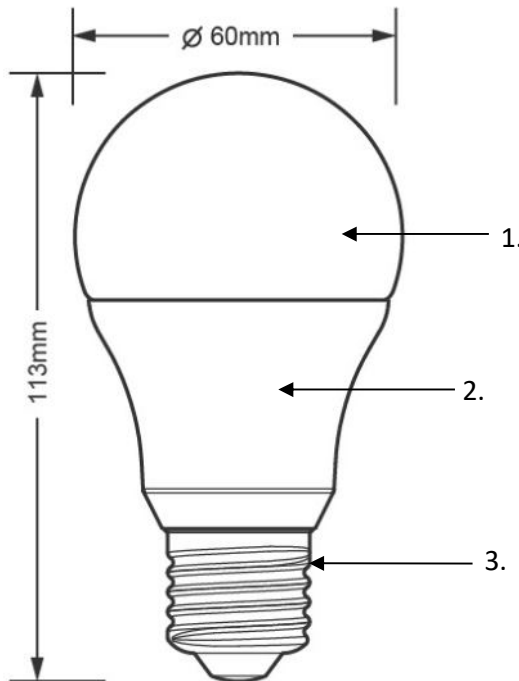
Model	A60 Dimmable 5.5W E27
Maximum overall length	60 ± 2 mm
Maximum overall width	113 ± 2 mm
Mass	45g ± 10%

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)	
Bis (2-ethylhexyl) phthalate(DEHP)	
Butyl benzyl phthalate(BBP)	
Dibutyl phthalate(DBP)	
Diisobutyl phthalate(DIBP)	

2. Outline Drawing

Unit : mm

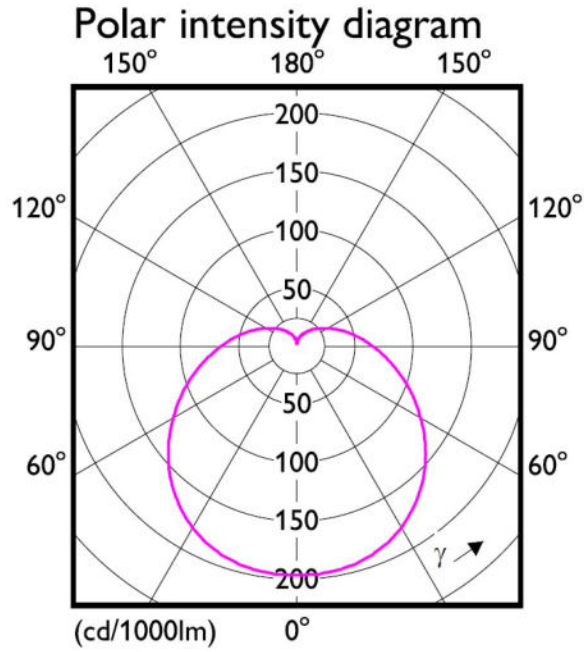


Material Information

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

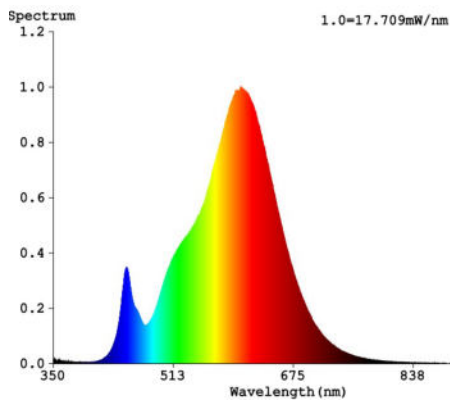
3. Light Distribution Curve

FWHM 180°

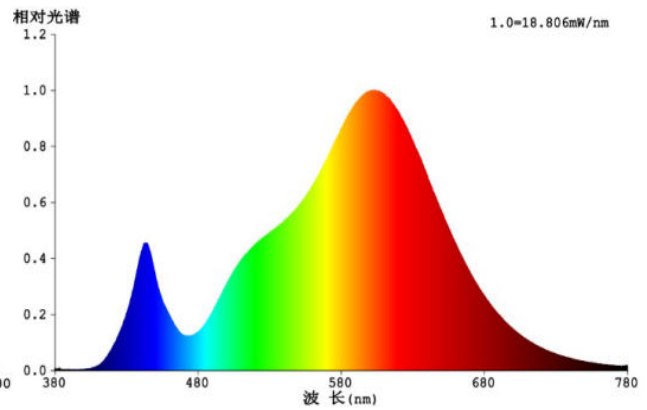


4. Spectrum Distribution

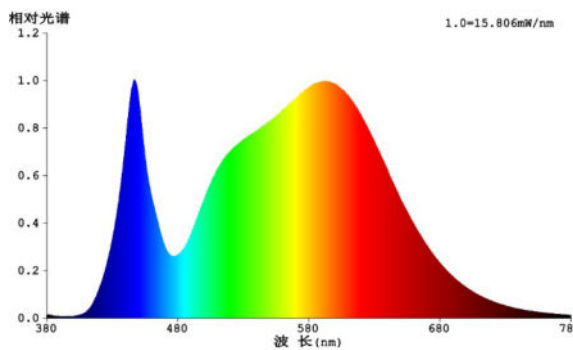
● 2700K Color Temperature



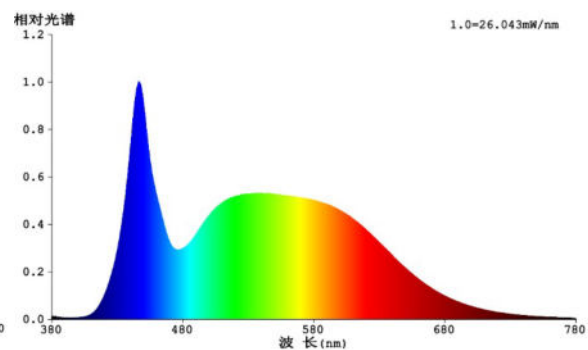
● 4000K Color Temperature



● 4000K Color Temperature



● 6500K Color Temperature



5. Warnings

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

6. Cautions

Only to apply in dry 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 for 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

Model	A60 Dimmable 5.5W E27 2700K	A60 Dimmable 5.5W E27 3000K	A60 Dimmable 5.5W E27 4000K	A60 Dimmable 5.5W E27 6500K
Pieces per pack	1	1	1	1
EAN code on pack	4711112389698	4711112387236	4711112387243	4711112387250
Size of pack	60 * 60 * 119mm			
Weight per pack (G.W)	55g			
Packs per inner box	N/A			
EAN code on inner box	N/A			
ITF code on inner box	N/A			
Size of inner box	N/A			
Weight per inner box(G.W)	N/A			
Packs per outer box	100			
EAN code on outer box	N/A			
ITF code on outer box	14711112389695	14711112387233	14711112387240	14711112387257
Size of outer box	620 * 315 * 258mm			
Weight per outer box(G.W)	6.8kg			

Packing Photograph

DELS-BLW45P5A8DE51 2700K

DELS-BL345P5A8DE51 3000K



DELS-BL445P5A8DE51 4000K

DELS-BLC45P5A8DE51 6500K



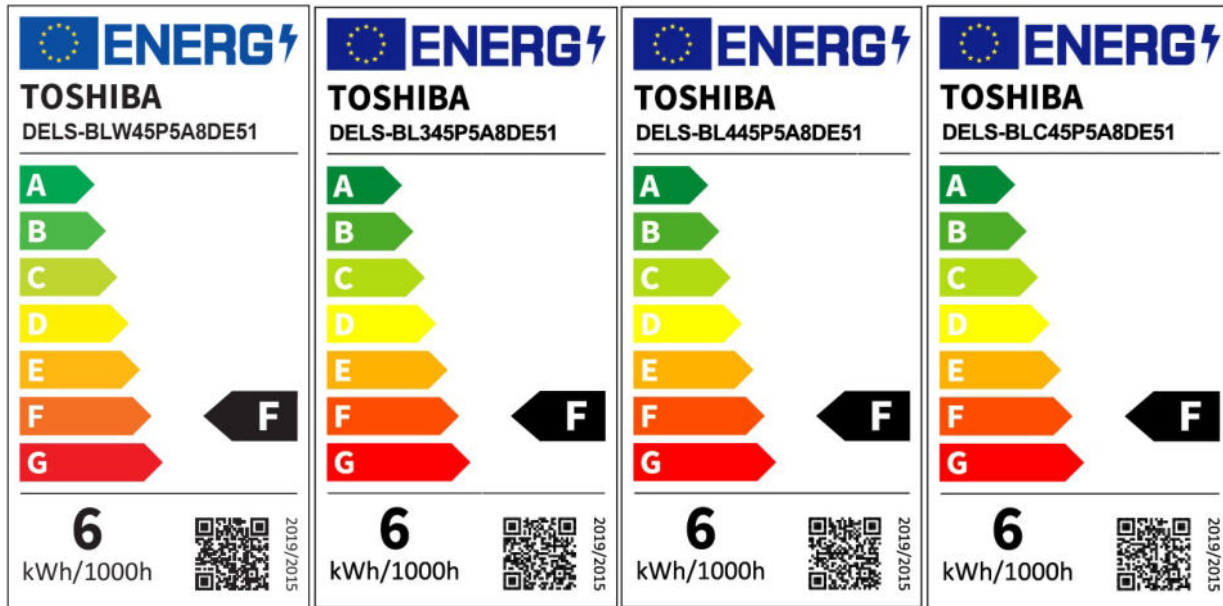
9. ERP Label

2700K

3000K

4000K

6500K



10. Conformity

<p>2014/35/EU; Low Voltage Directive</p>	<p>EN 62560:2012 + A1:2015 + A11:2019 · EN 62493:2015 · IEC TR 62778:2014</p>
<p>2014/30/EU; EMC Directive</p>	<p>EN IEC 55015:2019 + A11:2020 · EN IEC 61000-3-2:2019+A1:20211 · EN 61547:2009 · EN 61000-3-3:2013 + A1:2019</p>
<p>2009/125/EC; ErP Directive</p>	<p>(EU) 2019/2015 · (EU) 2019/2020 · (EU)2021/340 · (EU)2021/341</p>
<p>2011/65/EU+(EU)2020/659; RoHS Directive</p>	<p>EN IEC 63000 : 2018</p>

11. Applicable countries

Albania ,Austria , Belgium , Bulgaria , Croatia , Cyprus , Czech , Denmark , Estonia , Finland , France , Georgia
Germany ,Greece , Iceland , Ireland , Italy , Luxembourg , Malta , Morocco , Netherland , Norway , Portugal
Romania ,Serbia , Spain , Sweden , Switzerland , Tunisia ,U.K

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

12. Manufacturer and Toshiba brand licensee

EPILEDs TECHNOLOGIES, INC.