

LED Dimmable SMD Bulb- A60 11W

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1. Specification:

A. General Data

Model	A60 Dimmable 11W E27 2700K	A60 Dimmable 11W E27 3000K	A60 Dimmable 11W E27 4000K	A60 Dimmable 11W E27 6500K
P/N	DELS-BLW4011B 2DE51	DELS-BL34011B 2DE51	DELS-BL44011B 2DE51	DELS-BLC4011B 2DE51
Rated Voltage	230 VAC			
Frequency	50 Hz			
Rated Wattage	11 W			
Deviation Tolerance of Wattage	±10 %			
Rated Current	0.051 A			
Maximum Input Current	0.058 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)**	>0.7			

Stroboscopic effect metric (SVM)	0.4
Flicker metric (PstLM)	1
Applicable Environments	Dry locations; Not suitable for totally enclosed fixtures
Ingress protection rating	IP20
Impact resistance	N.A
Incandescent Equivalent	75W
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 °)	1055 lm			
Color Rendering Index*	≥ 80			
Efficacy(φ Total °)	95.9 lm/W			
Color Consistency**	6 Step MacAdam Ellipse (6 SDCM)			

* tolerance +/- 10%

** 3000K 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

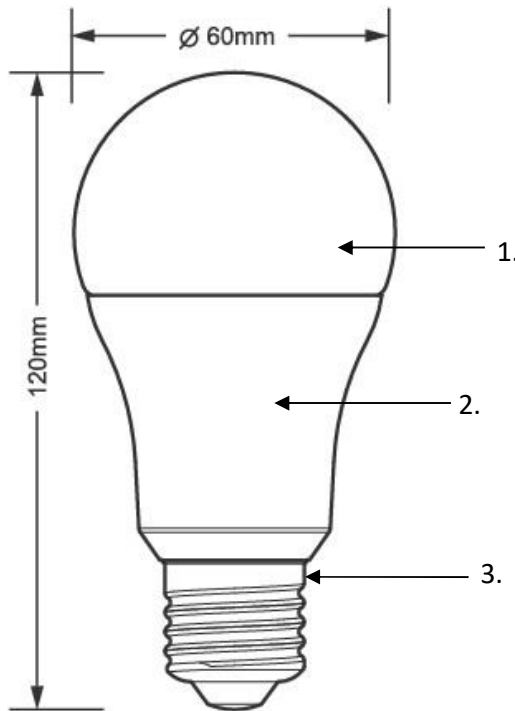
Model	A60 Dimmable 11W E27
Maximum overall length	60 ± 2 mm
Maximum overall width	120 ± 2 mm
Mass	50g ± 10%

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

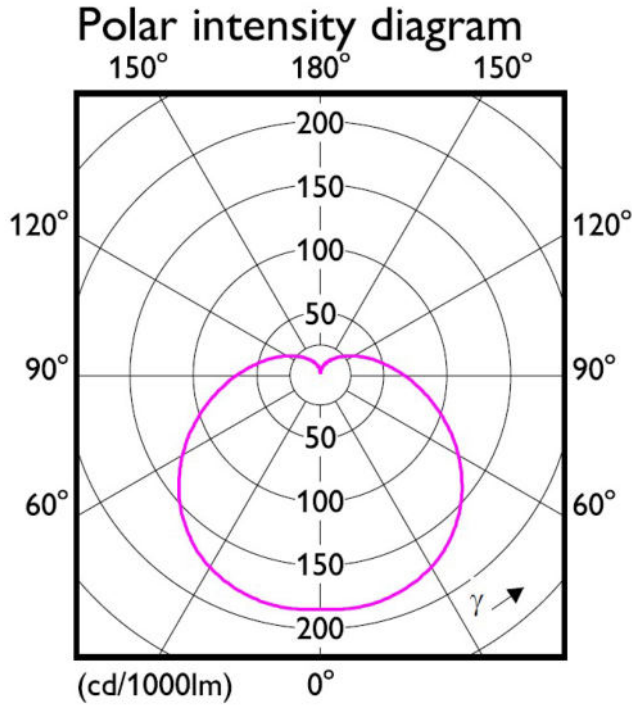


Material Information

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

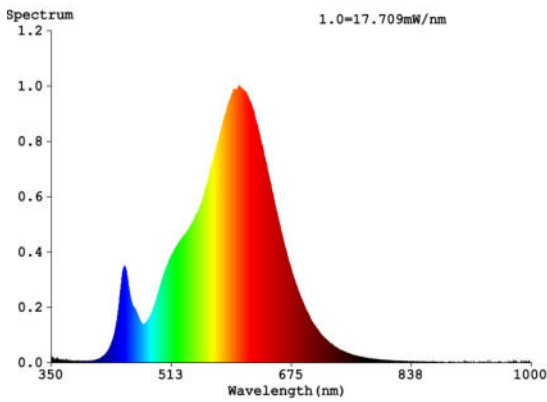
3. Light Distribution Curve

FWHM 180°

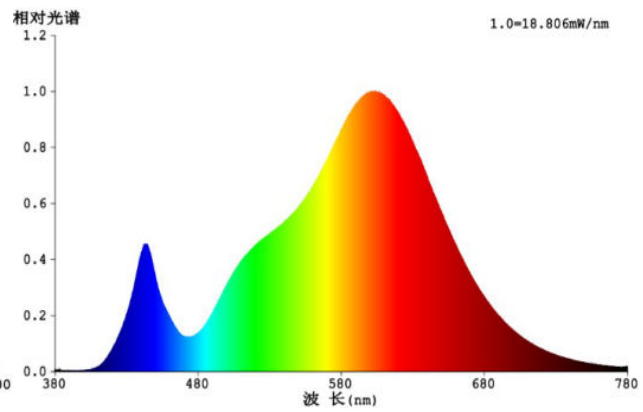


4. Spectrum Distribution

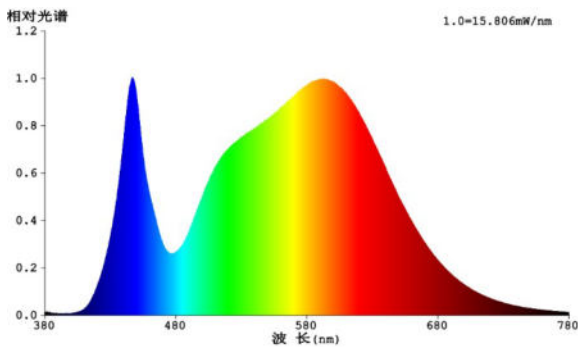
● 2700K Color Temperature



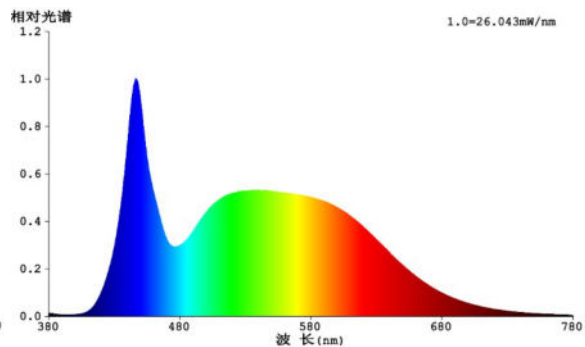
● 3000K Color Temperature



● 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 11W E27 2700K	A60 Dimmable 11W E27 3000K	A60 Dimmable 11W E27 4000K	A60 Dimmable 11W E27 6500K
Pieces per pack	1	1	1	1
EAN code on pack	4711112389711	4711112387298	4711112387304	4711112387311
Size of pack	60 * 60 * 126mm			
Weight per pack (G.W)	60g			
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	14711112389718	14711112387295	14711112387301	14711112387318
Size of outer box	620 * 315 * 272mm			
Weight per outer box(G.W)	7.5kg			

Packing Photograph

DELS-BLW4011B2DE51 2700K

DELS-BL34011B2DE51 3000K



DELS-BL44011B2DE51 4000K

DELS-BLC4011B2DE51 6500K



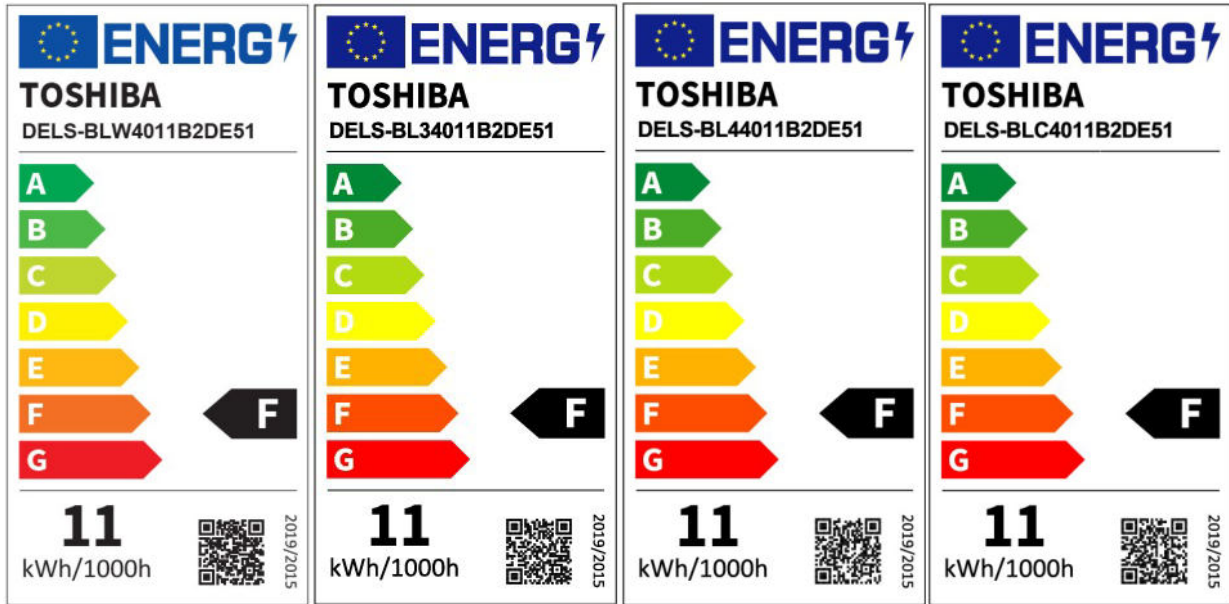
9. ERP Label

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.