

LED Dimmable SMD Golf- G45 5W E14

Authorized Licensee for TOSHIBA trademark



1. Specification:

A. General Data

Model	G45 Dimmable 5W E14 2700K	G45 Dimmable 5W E14 3000K	G45 Dimmable 5W E14 4000K	G45 Dimmable 5W E14 6500K
P/N	DELS-GFW40051 4DE51	DELS-GF3400514 DE51	DELS-GF4400514 DE51	DELS-GFC40051 4DE51
Rated Voltage	230 VAC			
Frequency	50 Hz			
Rated Wattage	5 W			
Deviation Tolerance of Wattage	±10 %			
Rated Current	0.023 A			
Maximum Input Current	0.026 A			
Start On	<0.5S			
Warm up time	<1S			
Dimmable	YES			
Beam Angle	150°			
Energy Efficiency Class(EEC)	F			
Peak luminous intensity(cd)	Non-directional			
R9 CRI	>1			
Survival factor	0.9			
Safety requirements	CE			

Displacement factor (cos φ1)**	No limit
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	40W
Base	E14
Photobiological Group	RG 1

* Displacement factor tolerance +/- 10%

**No limit at $P_{on} \leq 5W$

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 °)	94 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 – L₇₀B₅₀	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

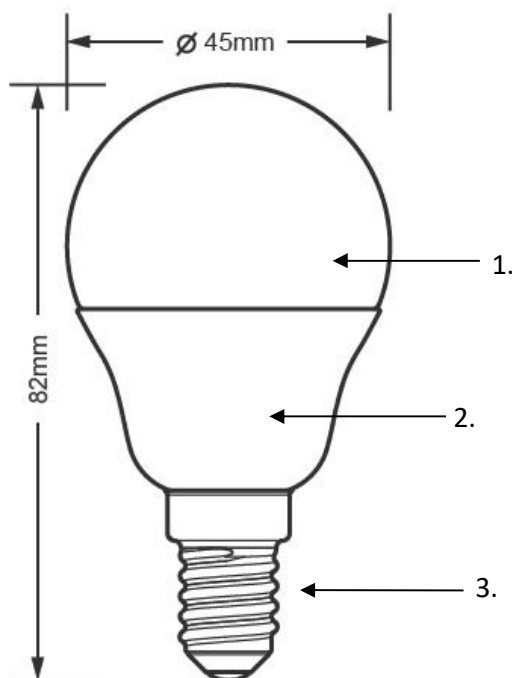
Model	G45 Dimmable 5W E14
Maximum overall length	45 ± 2 mm
Maximum overall width	82 ± 2 mm
Mass	19.5 g ± 10%

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

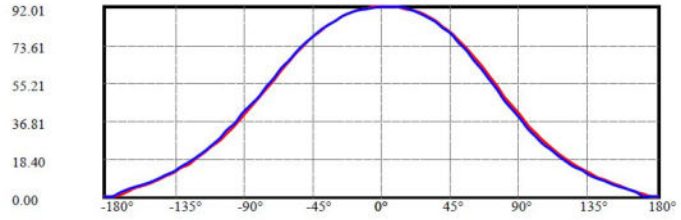
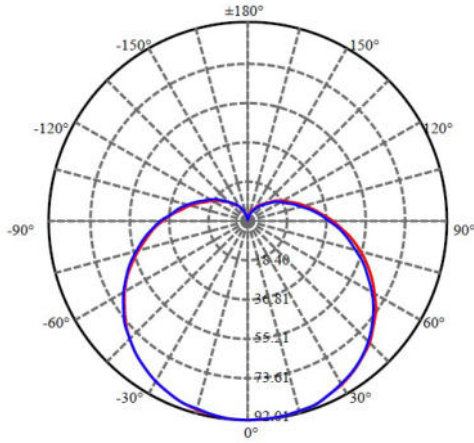


Material Information

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

3. Light Distribution Curve

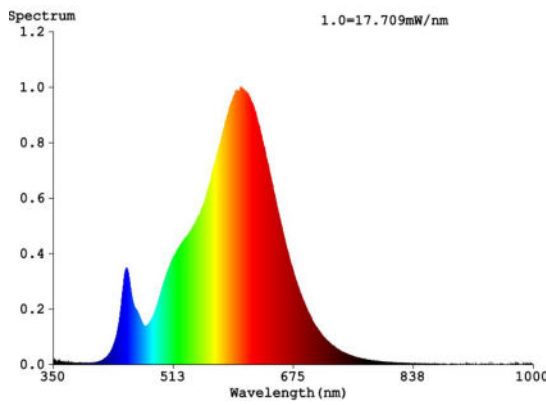
FWHM 150°



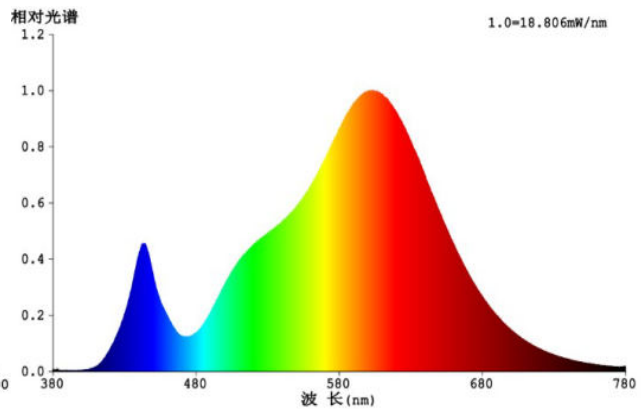
C0(Max): —
 C0/C180: —
 C90/C270: —
 Field angle(10%Imax):C0/180Left:143.2 Right:142.4
 :C90/270Left:144.6 Right:140.2
 Beam Angle(50%Imax):C0/180Left:82.0 Right:83.0
 :C90/270Left:83.3 Right:81.0

4. Spectrum Distribution

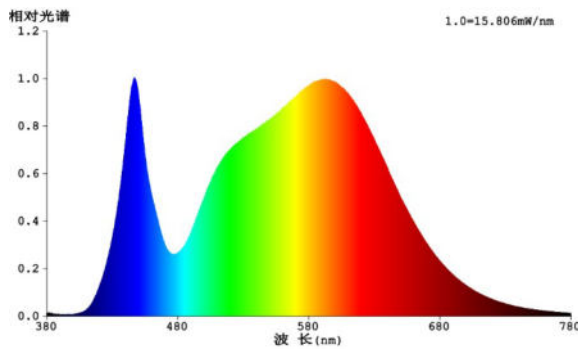
● 2700K Color Temperature



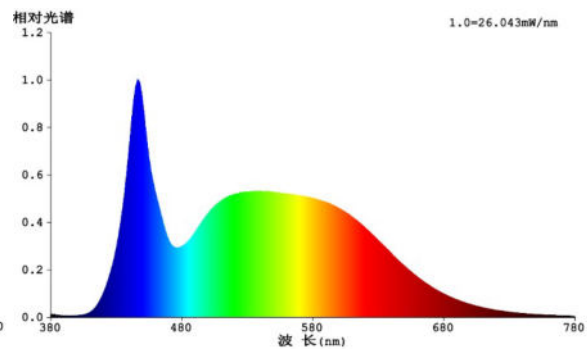
● 3000K Color Temperature



● 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	G45 Dimmable 5W E14 2700K	G45 Dimmable 5W E14 3000K	G45 Dimmable 5W E14 4000K	G45 Dimmable 5W E14 6500K
Pieces per pack	1	1	1	1
EAN code on pack	4711112389759	4711112387410	4711112387427	4711112387434
Size of pack	45 * 45 * 94 mm			
Weight per pack (G.W)	29.5g			
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	14711112389756	14711112387417	14711112387424	14711112387431
Size of outer box	470 * 240 * 208mm			
Weight per outer box(G.W)	3.1 kg			

DELS-GFW400514DE51 2700K

DELS-GF3400514DE51 3000K



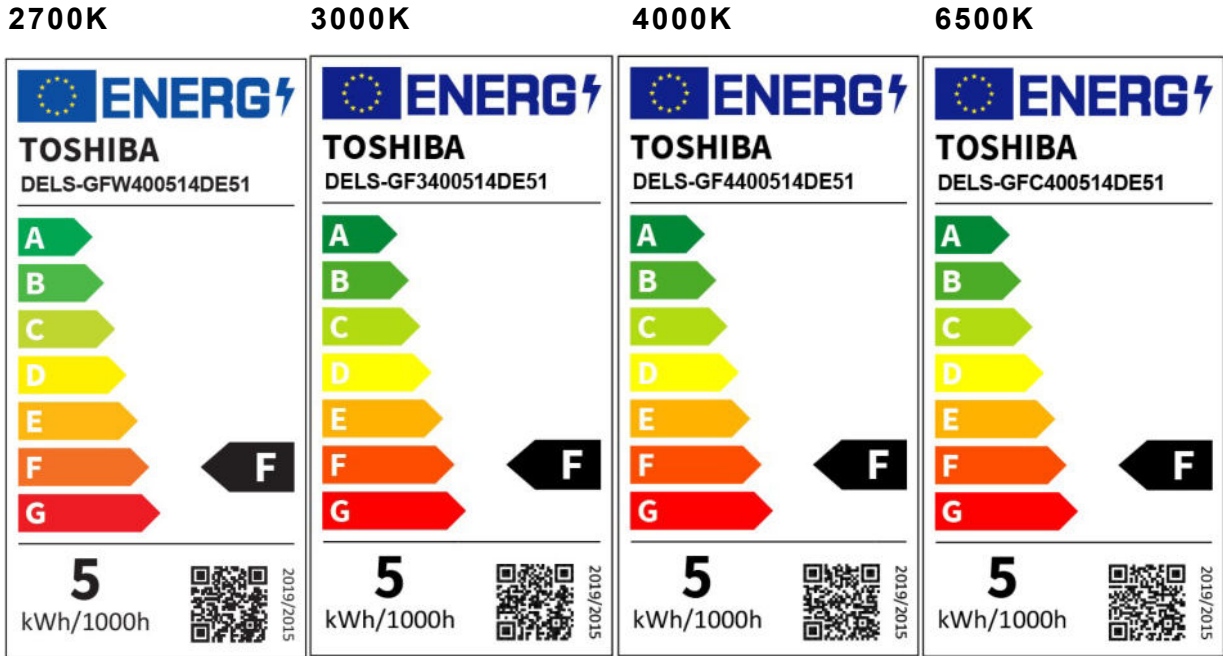
Packing Photograph

DELS-GF4400514DE51 4000K

DELS-GFC400514DE51 6500K



9. ERP Label



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.