

# LED Golf Light B2C - Frosted E14 60W (Low flicker)

Authorized Licensee for TOSHIBA trademark



## 1. Specification:

### A. General Data

Model	Classic Golf E14 60W 2700K	Classic Golf E14 60W 3000K	Classic Golf E14 60W 4000K	Classic Golf E14 60W 6500K
P/N	DELS- GFW400714AE21	DELS- GF3400714AE21	DELS- GF4400714AE21	DELS- GFC400714AE21
Rated Voltage	230 VAC	230 VAC	230 VAC	230 VAC
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Rated Wattage	7W	7W	7W	7W
Deviation Tolerance of Wattage	±10 %	±10 %	±10 %	±10 %
Displacement Factor	>0.5	>0.5	>0.5	>0.5
Rated Current	64 mA	64 mA	64 mA	64 mA
Maximum Input Current	70 mA	70 mA	70 mA	70 mA
Start On	<0.5S	<0.5S	<0.5S	<0.5S
Warm-up time up to 60% of the full light output	<1S	<1S	<1S	<1S
Dimmable	NO	NO	NO	NO
Beam Angle	180°	180°	180°	180°
Stroboscopic effect metric (SVM)	≤ 0.9	≤ 0.9	≤ 0.9	≤ 0.9
Flicker metric (PstLM)	≤ 1	≤ 1	≤ 1	≤ 1
Energy Efficiency Class(EEC)	E	E	E	E
Safety requirements	CE			
Applicable Environments	Dry locations; Not suitable for totally enclosed fixtures			
Ingress protection rating	IP20			
Impact resistance	N.A			
Incandescent Equivalent	60W	60W	60W	60W
Base	E14	E14	E14	E14
Photobiological Group	RG 0	RG 0	RG 0	RG 0

\* Displacement factor tolerance +/- 10%

**B. Light Data**

<b>Color</b>	Soft white	Warm white	Neutral White	Cool White
<b>Color Temperature (CCT)</b>	2700K	3000K	4000K	6500K
<b>Rated Lumen Output*</b>	<b>806lm</b>			
<b>Color Rendering Index</b>	≥ 80			
<b>Efficacy( Useful)*</b>	115 lm/W			
<b>Efficacy( Total )*</b>	115 lm/W			
<b>Color Consistency**</b>	6 Step MacAdam Ellipse (6 SDCM)			

\*tolerance +/- 10%

\*\* 2700K center point (0.445766, 0.40983) · 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:AC230V; Ambient Temperature: 25°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>	≥ 12,000

**D. Temperature Operation**

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

**E. Geometric Data**

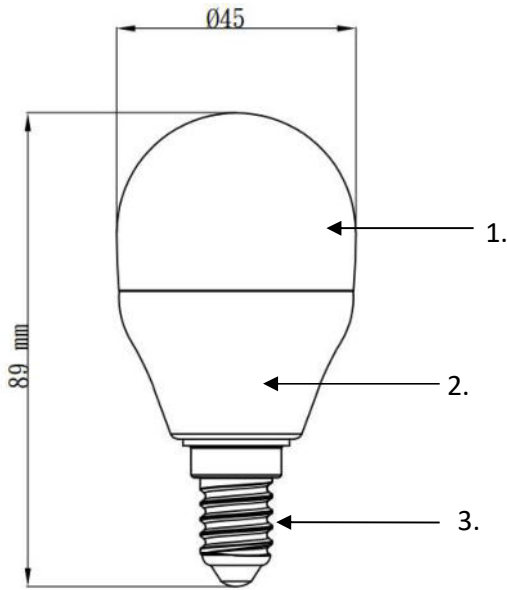
<b>Model</b>	Classic Golf E14 60W
<b>Maximum overall length</b>	89 ± 2 mm (3.5 ± 0.08 inch )
<b>Maximum diameter</b>	45 ± 2 mm ( 1.77± 0.08 inch )
<b>Mass</b>	23 ± 3 g

**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>	
<b>Bis (2-ethylhexyl) phthalate(DEHP)</b>	
<b>Butyl benzyl phthalate(BBP)</b>	
<b>Dibutyl phthalate(DBP)</b>	
<b>Diisobutylphthalate(DIBP)</b>	

## 2. Outline Drawing

Unit : mm

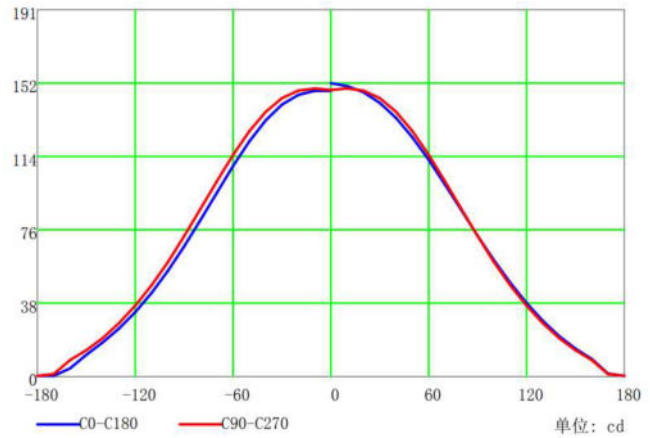
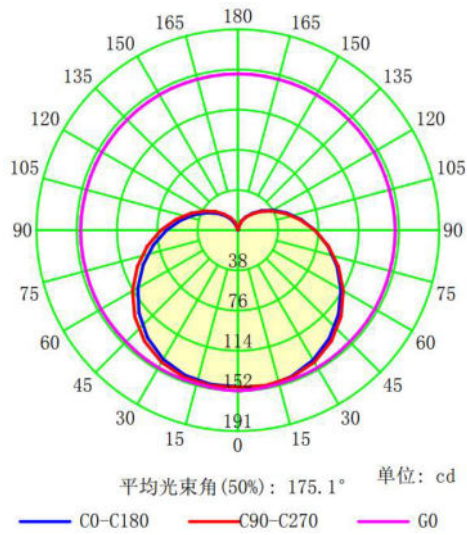


### Material Information

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

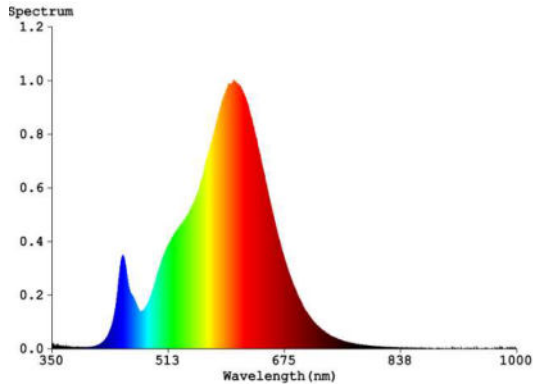
## 3. Light Distribution Curve

FWHM 180°

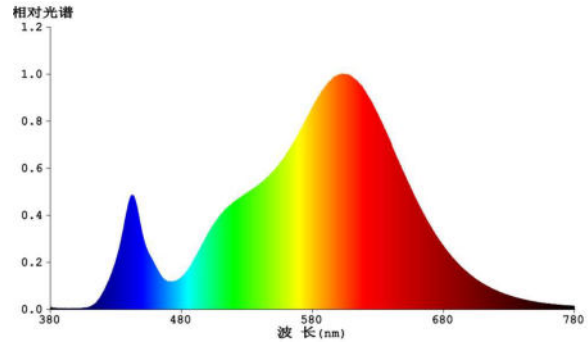


**4. Spectrum Distribution**

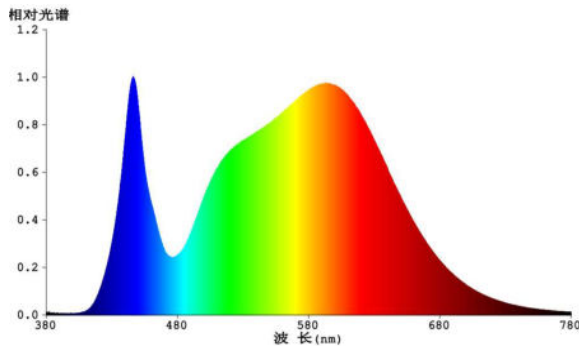
2700K Color Temperature



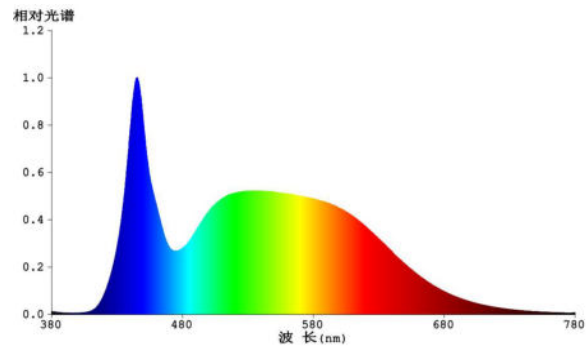
3000K Color Temperature



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.

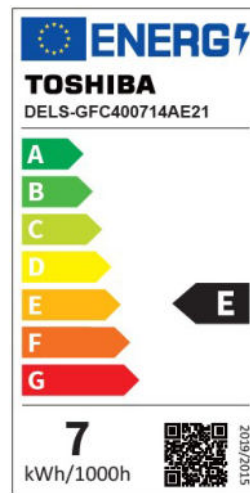
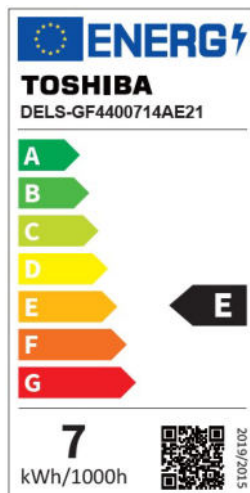
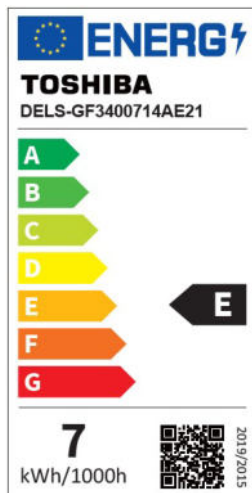
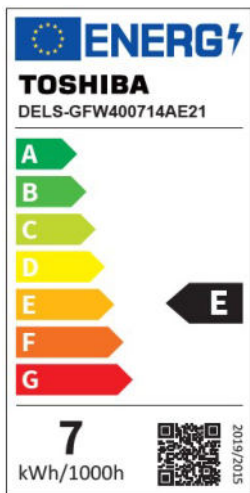
**8. Logistic information**

<b>Model</b>	Classic Golf E14 60W 2700K	Classic Golf E14 60W 3000K	Classic Golf E14 60W 4000K	Classic Golf E14 60W 6500K
<b>Pieces per pack</b>	1	1	1	1
<b>EAN code on pack</b>	4711112389612	4711112384846	4711112384853	4711112384860
<b>Size of pack</b>	45* 45 * 96mm			
<b>Weight per pack (G.W)</b>	31g			
<b>Packs per inner box</b>	N/A	N/A	N/A	N/A
<b>EAN code on inner box</b>	N/A	N/A	N/A	N/A
<b>ITF code on inner box</b>	N/A	N/A	N/A	N/A
<b>Size of inner box</b>	N/A	N/A	N/A	N/A
<b>Weight per inner box(G.W)</b>	N/A	N/A	N/A	N/A
<b>Packs per outer box</b>	100			
<b>EAN code on outer box</b>	N/A	N/A	N/A	N/A
<b>ITF code on outer box</b>	14711112389619	14711112384843	14711112384850	14711112384867
<b>Size of outer box</b>	470*245*215mm			
<b>Weight per outer box(G.W)</b>	3.9kg			



**9. ERP Label**

DELS-GFW400714AE21 / DELS-GF3400714AE21 / DELS-GF4400714AE21 / DELS-GFC400714AE21



## 10. Conformity

<b>2014/35/EU; Low Voltage Directive</b>	EN 62560:2012+A1:2015 、 EN62471:2008 EN 62493:2015 、 IEC/TR 62778: 2014
<b>2014/30/EU; EMC Directive</b>	EN 55015: 2013+A12015 、 EN 61000-3-2:2014 、 EN 61000-3-3: 2013 EN 61547:2009
<b>2009/125/EC; ErP Directive</b>	(EU) 2019/2015 、 (EU) 2019/2020 、 (EU) 2021/340 、 (EU) 2021/341
<b>2011/65/EU+(EU)2020/659; RoHS Directive</b>	EN IEC 63000 : 2018

## 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

EPILEDs TECHNOLOGIES, INC.