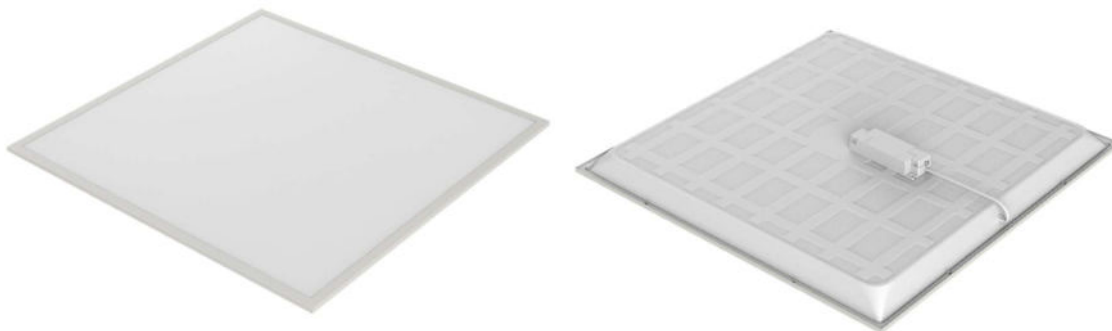


PANEL LIGHT 600x600

UGR<19 100 lm/W

Authorized Licensee for TOSHIBA trademark



1. Specification:

A. General Data

Model	600x600 mm 3000K	600x600 mm 4000K	600x600 mm 5000K	600x600 mm 6500K
P/N	DELL-PL3403622U054	DELL-PL4403622U054	DELL-PL5403622U054	DELL-PLC403622U054
Rated Voltage	230 VAC	230 VAC	230 VAC	230 VAC
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Rated Wattage	36W	36W	36W	36W
Deviation Tolerance of Wattage	±10 %	±10 %	±10 %	±10 %
Power Factor	>0.9	>0.9	>0.9	>0.9
Rated Current	155 mA	155 mA	155 mA	155 mA
Maximum Input Current	200 mA	200 mA	200 mA	200 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
Unified Glare Rating Room dimensions of 4H/8H	<19	<19	<19	<19
Peak luminous intensity (cd)	1550	1550	1550	1550
Beam Angle (degrees)	90°	90°	90°	90°

R9 CRI	>1	>1	>1	>1
Survival factor	0.9	0.9	0.9	0.9
Displacement factor (cos φ1)	>0.9	>0.9	>0.9	>0.9
Stroboscopic effect metric (SVM) ≤ 0.9	0.1	0.1	0.1	0.1
Flicker metric (PstLM) ≤ 1	0.1	0.1	0.1	0.1
Energy Efficiency Class (EEC)	F	F	F	F
Safety requirements	CE	CE	CE	CE
Applicable Environments	IP40	IP40	IP40	IP40
Photobiological Group	RG0	RG0	RG0	RG0

B. Light Data

Color	Warm white	Neutral White	Daylight White	Cool White
Color Temperature (CCT)	3000K	4000K	5000K	6500K
Lumen Output* (φ120°)	3060 lm	3060 lm	3060 lm	3060 lm
Lumen Output* (φTotal)	3600 lm	3600 lm	3600 lm	3600 lm
Directional lamp	Yes	Yes	Yes	Yes
Beam angle correspondence*	Wide cone	Wide cone	Wide cone	Wide cone
Light source type	Directional (DLS) not operating on mains (NMLS)			
Color Rendering Index	≥ 80			
Efficacy(Useful)* ©	92.6 lm/W	92.6 lm/W	92.6 lm/W	92.6 lm/W
Efficacy(Total)*	100 lm/W	100 lm/W	100 lm/W	100 lm/W
Color Consistency**	6 Step MacAdam Ellipse (6 SDCM)			

*tolerance +/- 10%

** 3000K center point (0.43387, 0.40319) ; 4000K center point (0.38177, 0.37959) ; 5000K center point (0.34464, 0.35506) ; 6500K center point (0.31230, 0.32825)

© Efficacy(Useful) = (φ use / Pon) x FTM

★ Sphere : non-directional 、 Wide cone : Beam angle ≥ 90°(Φ120°, in a 120° cone) 、 Narrow cone : Beam angle < 90°(Φ90°, in a 90° cone)

C. Lifetime

(Supplied Voltage:AC230V; Ambient Temperature: 25°C)

Lumen Maintenance Factor	70%of the rated lifetime
Rated Lifetime – L_{70B50}	25,000 hrs
Lumen Maintenance factor	95.8%

D. Temperature Operation

Normal operation temperature	-10°C ~ 45°C
Relative Humidity	10%~ 90%

E. Geometric Data

Model	Panel 600x600 UGR19 100lm/W
Maximum Length	595 ± 2 mm
Maximum width	595 ± 2 mm
Maximum thickness	34 ± 2 mm
Mass	1.25 kg ± 10%

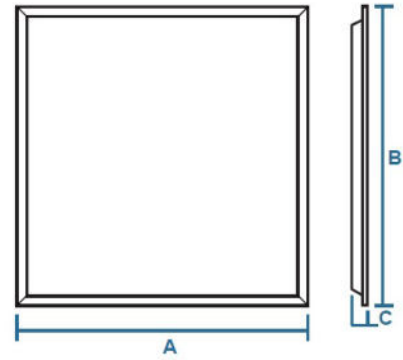
F. Environmental relevant materials

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)	
Diisobutylphthalate(DIBP)	

2. Outline Drawing

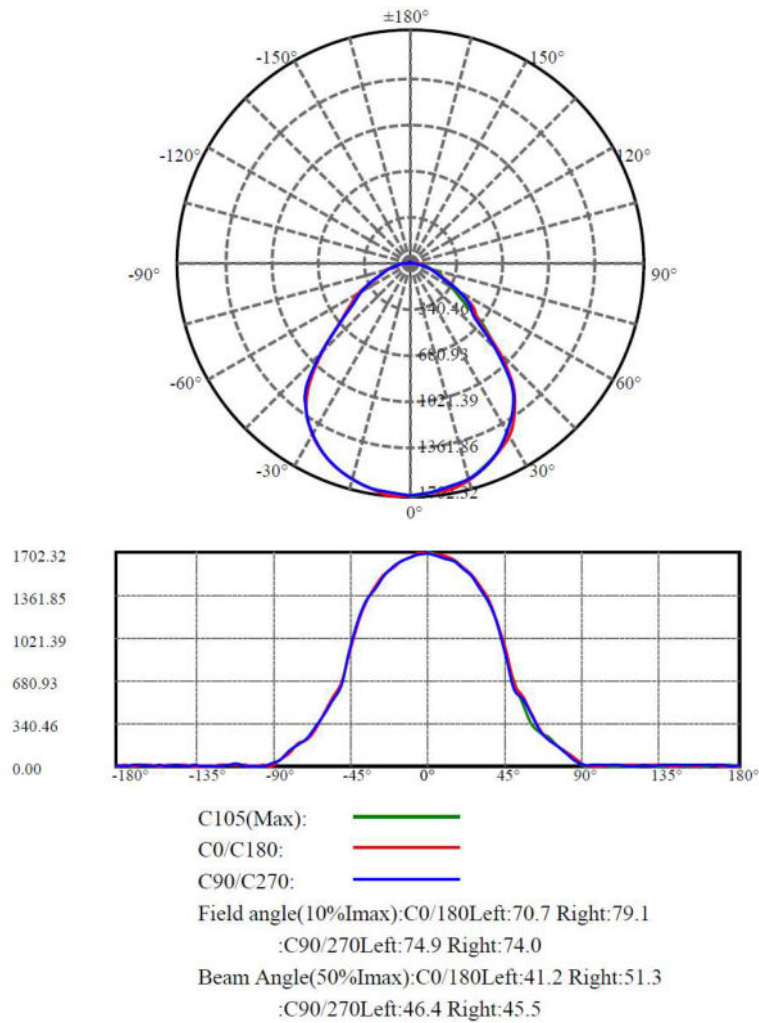
Unit : mm

Model NO.	Size A(mm)	Size B(mm)	Size C(mm)
DELL- PLx403622U054	595	595	34



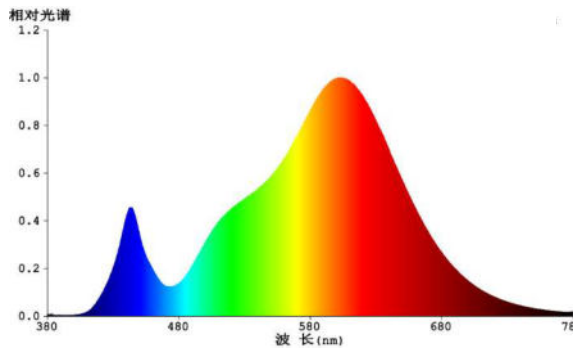
3. Light Distribution Curve

Full width at half maximum (FWHM) :90°

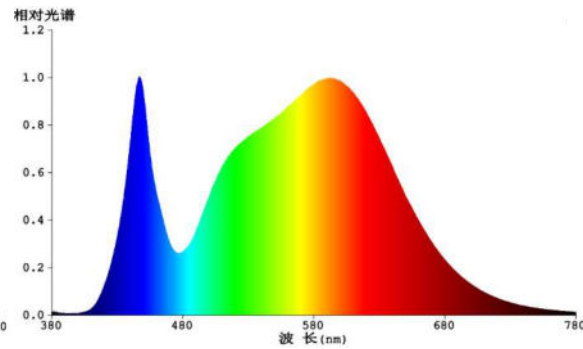


4. Spectrum Distribution

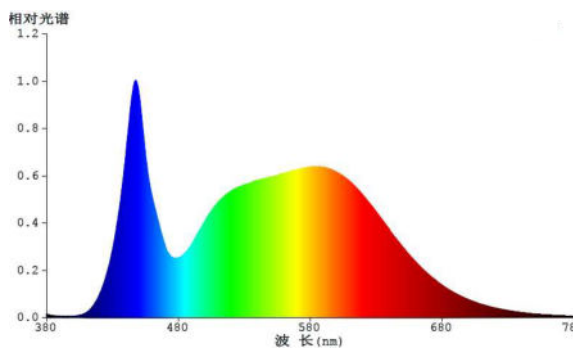
3000K Color Temperature



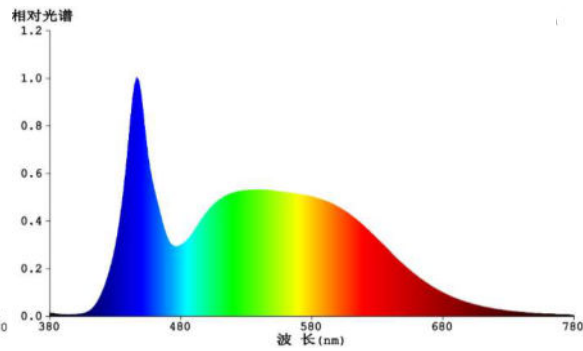
4000K Color Temperature



5000K Color Temperature



6500K Color Temperature



5. Warnings

- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.
- Before opening the package, please check if there's damage or defect during transportation, if damage occurs, please don't use it and inform your supplier immediately.
- Please do not attempt to use a damaged product.
- The product should be installed, dismantled and maintained by a qualified electrician; Suppliers don't take charge of any problems or damages that occur due to mishandling such as an operation not permitted in this manual.
- Choose an install place where can withstand 10 times the weight of the product to ensure a solid installation.
- Wipe the veil with soft cloth dipped a little neutral detergent, be sure not to use any sandpaper, polishing powder or alcohol, gasoline and so on liquor.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

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	600x600 mm 3000K	600x600 mm 4000K	600x600 mm 5000K	600x600 mm 6500K
Pieces per pack	1	1	1	1
EAN code on pack	4711112387571	4711112387588	4711112387595	4711112387601
Size of pack	60*3.8*63.5 cm	60*3.8*63.5 cm	60*3.8*63.5 cm	60*3.8*63.5 cm
Weight per pack (G.W)	N/A	N/A	N/A	N/A
Packs per inner box	N/A	N/A	N/A	N/A
EAN code on inner box	N/A	N/A	N/A	N/A
ITF code on inner box	N/A	N/A	N/A	N/A
Size of inner box	N/A	N/A	N/A	N/A
Weight per inner box(G.W)	N/A	N/A	N/A	N/A
Packs per outer box	4	4	4	4
EAN code on outer box	N/A	N/A	N/A	N/A
ITF code on outer box	14711112387578	14711112387585	14711112387592	14711112387608
Size of outer box	65*17*65 cm	65*17*65 cm	65*17*65 cm	65*17*65 cm

Weight per outer box(G.W)	6.2 kg	6.2 kg	6.2 kg	6.2 kg
Packing Photograph	3000K			
				
	4000K			
				
5000K				
				
6500K				
				

9. ERP Label

3000K

4000K

5000K

6500K



10. Conformity

2014/35/EU; Low Voltage Directive	EN 60598-2-2:2012 、 EN60598-1:2015 、 EN60598-1:2015/A1:2018 、 EN62471:2008 、 EN 62493:2015 、 IEC/TR 62778: 2014
2014/30/EU; EMC Directive	EN 55015: 2020 、 EN 61000-3-2:2021 、 EN 61000-3-3: 2013/A1:2019 EN 61547:2009
2009/125/EC; ErP Directive	(EU) 2019/2015 、 (EU) 2019/2020 、 (EU) 2021/340 、 (EU) 2021/341
2011/65/EU+(EU)2015/863; RoHS Directive	EN 50581: 2012

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.