

LED PANEL LIGHT 600x600mm

Authorized Licensee for TOSHIBA trademark



1. Specification:

A. General Data

Model	PL 3000K	PL 4000K	PL 5000K	PL 6500K
P/N	DELL- PL3403622A044	DELL- PL4403622A044	DELL- PL5403622A044	DELL- PLC403622A044
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	200 mA	200 mA	200 mA	200 mA
Maximum Input Current	250 mA	250 mA	250 mA	250 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	<22	<22	<22	<22
Peak luminous intensity (cd)	1200	1250	1250	1250
Beam Angle (degrees)	120°	120°	120°	120°
R9 CRI	>0	>0	>0	>0
Survival factor	90%	90%	90%	90%

Lumen Maintenance factor	95.8%	95.8%	95.8%	95.8%
Displacement factor (cos φ1)	>0.9	>0.9	>0.9	>0.9
Stroboscopic effect metric (SVM)	≤ 0.9	≤ 0.9	≤ 0.9	≤ 0.9
Flicker metric (PstLM)	≤ 1	≤ 1	≤ 1	≤ 1
Energy Efficiency Class(EEC)	F	F	F	F
Safety requirements	CE	CE	CE	CE
Applicable Environments	IP20	IP20	IP20	IP20
Incandescent Equivalent	N/A	N/A	N/A	N/A
Base	N/A	N/A	N/A	N/A
Photobiological Group	RG 0	RG 0	RG 0	RG 0

B. Light Data

Color	Warm white	Neutral White	Daylight White	Cool White
Color Temperature (CCT)	3000K	4000K	5000K	6500K
Lumen Output* (φ120°)	2880 lm	2880 lm	2880 lm	2880 lm
Lumen Output* (φTotal)	3600 lm	3600 lm	3600 lm	3600 lm
Color Rendering Index	≥ 80			
Efficacy (Useful)*[⊙]	94.1 lm/W	94.1 lm/W	94.1 lm/W	94.1 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

C. Lifetime

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

Lumen Maintenance Factor	70%of the rated lifetime
Rated Lifetime – L₇₀B₅₀	25,000 hrs
Switching Cycles	≥ 15,000

D. Temperature Operation

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

E. Geometric Data

Model	LED Panel Light 600x600
Maximum Length	595.5 ± 2 mm (23.44 ± 0.08 inch)
Maximum width	595.5 ± 2 mm (23.44 ± 0.08 inch)
Maximum thickness	30 ± 2 mm (1.18 ± 0.08 inch)
Mass	1.06kg ± 100 g

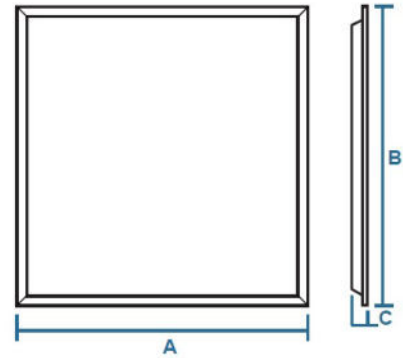
F. Environmental relevant materials

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

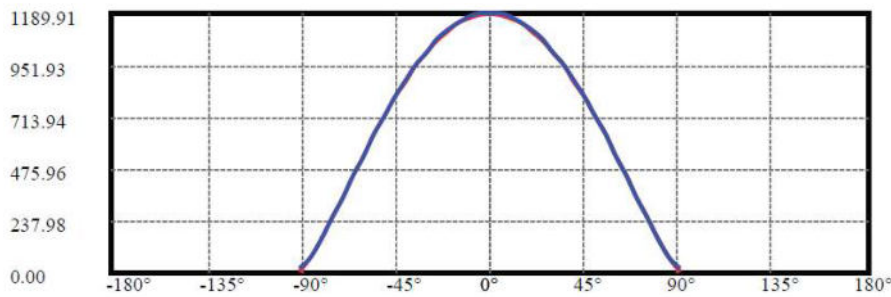
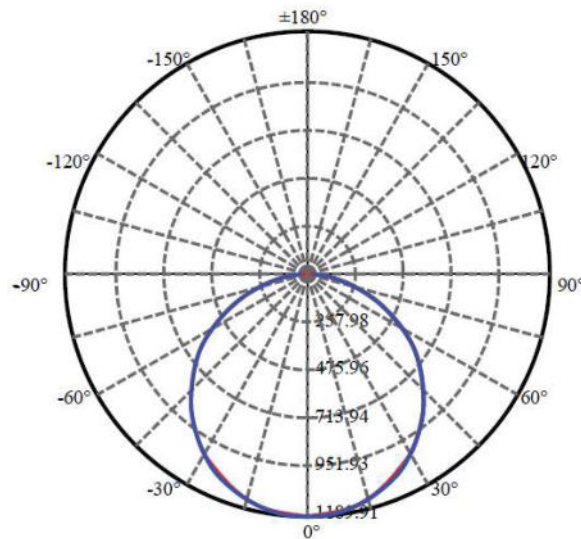
Unit : mm

Model NO.	Size A(mm)	Size B(mm)	Size C(mm)
DELL-PLx403622A044	595.5	595.5	30



3. Light Distribution Curve

Full width at half maximum (FWHM) :120°



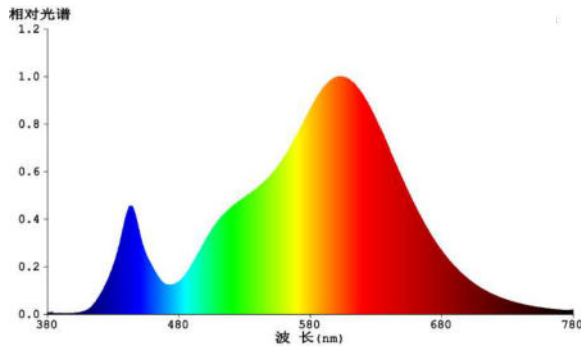
C0(Max): —
 C0/C180: —
 C90/C270: —

Field angle(10%Imax):C0/180Left:82.4 Right:82.4
 :C90/270Left:82.5 Right:82.5

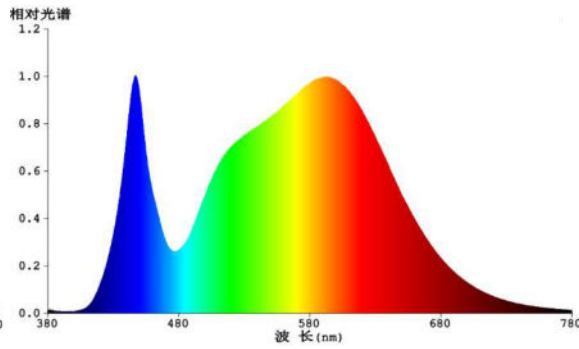
Beam Angle(50%Imax):C0/180Left:57.1 Right:57.1
 :C90/270Left:57.2 Right:57.2

4. Spectrum Distribution

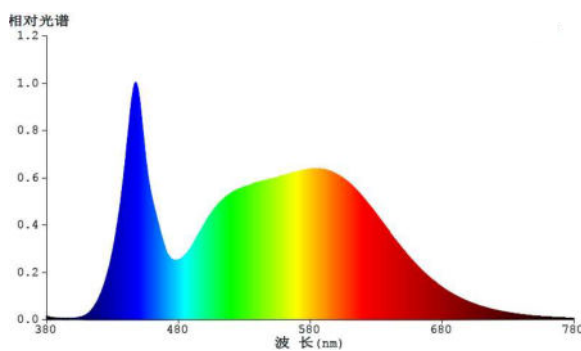
3000K Color Temperature



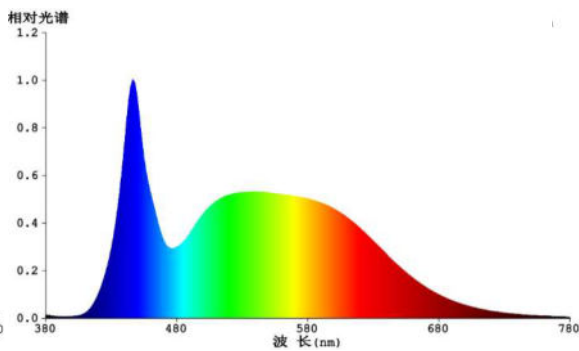
4000K Color Temperature



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	PL 3000K	PL 4000K	PL 5000K	PL 6500K
Pieces per pack	1	1	1	1
EAN code on pack	4711112387533	4711112387540	4711112387557	4711112387564
Size of pack	610*37*615 mm	610*37*615 mm	610*37*615 mm	610*37*615 mm
Weight per pack (G.W)	1.21 kg	1.21 kg	1.21 kg	1.21 kg
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	6	6	6	6
EAN code on outer box	N/A	N/A	N/A	
ITF code on outer box	14711112387530	14711112387547	14711112387554	14711112387561
Size of outer box	630*245*635 mm	630*245*635 mm	630*245*635 mm	630*245*635 mm
Weight per outer box(G.W)	7.5 kg	7.5 kg	7.5 kg	7.5 kg

DELL-PL3403622A044



DELL-PL4403622A044



Packing Photograph

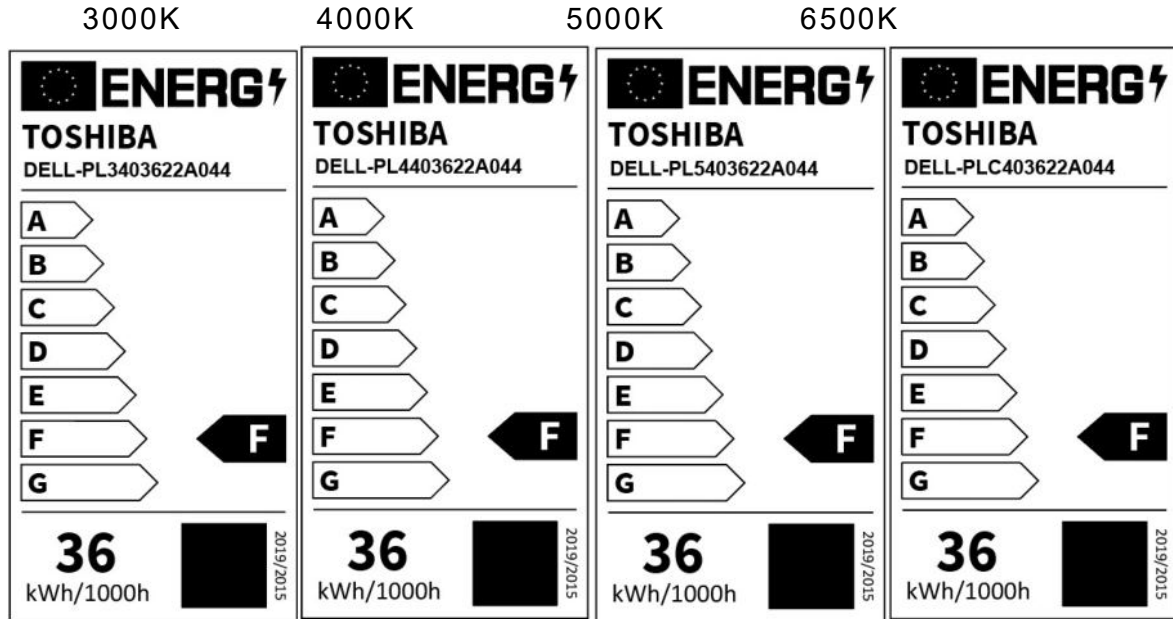
DELL-PL5403622A044



DELL-PLC403622A044



9. ERP Label



*Suppliers have to use the EPREL official website to generate a QR-code by a pre-registration.

10. Conformity

<p>2014/35/EU; Low Voltage Directive</p>	<p>EN 60598-2-2:2012 、 EN60598-1:2015+A1:2018 、 IEC/TR 62778: 2014</p>
<p>2014/30/EU; EMC Directive</p>	<p>EN 55015: 2019+A11:2020 、 EN 61000-3-2:2019 、 EN 61000-3-3: 2013+A1:2019 EN 61547:2009</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)2015/863; RoHS Directive</p>	<p>EN 50581: 2012</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

EPILEDS TECHNOLOGIES, INC.