

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 |
| Westnet Code | 00172886 | 00172887 | 00172888 | 00172889 |
| 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 ϕ 1) | >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 |
| Ingress protection rating | IP20 | IP20 | IP20 | IP20 |
| Impact resistance | N/A | N/A | N/A | N/A |
| 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* (ϕ 120 °) | 2880 lm | 2880 lm | 2880 lm | 2880 lm |
| Lumen Output* (ϕ Total) | 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 |

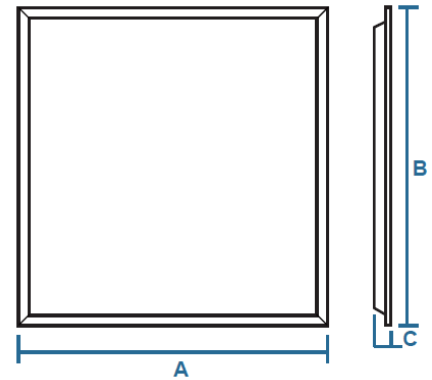
F. Environmental relevant materials

| | |
|--|---------------------------------------|
| 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

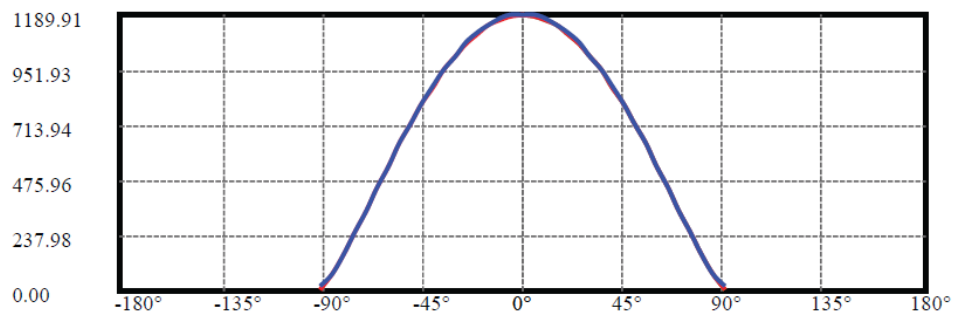
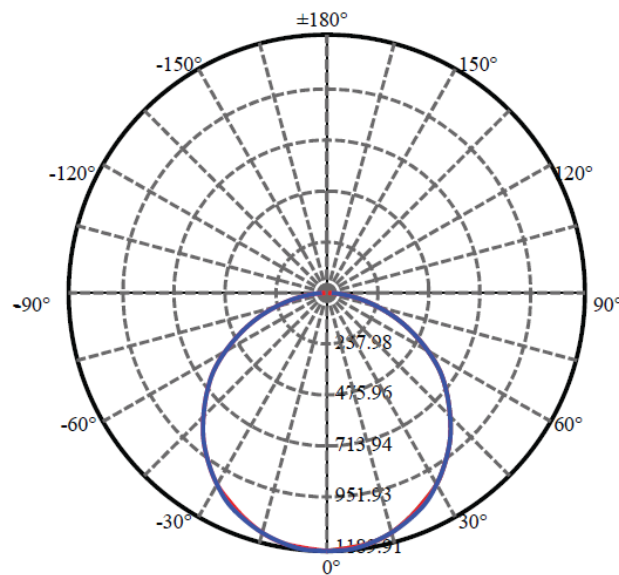
Unit : mm

| 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°



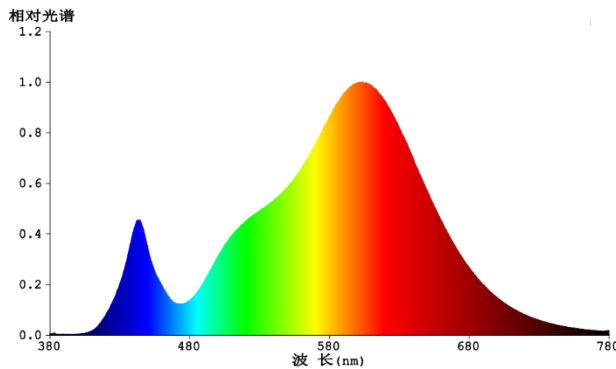
C0(Max): —
 C0/C180: —
 C90/C270: —

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

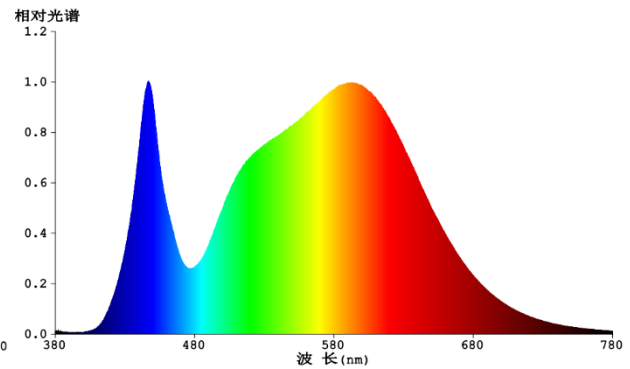
Beam Angle(50%Imax):C0/180Left:57.1 Right:57.1
 :C90/270Left:57.2 Right:57.2

4. Spectrum Distribution

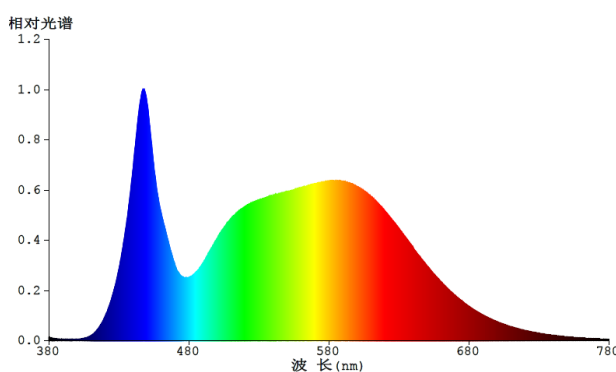
3000K Color Temperature



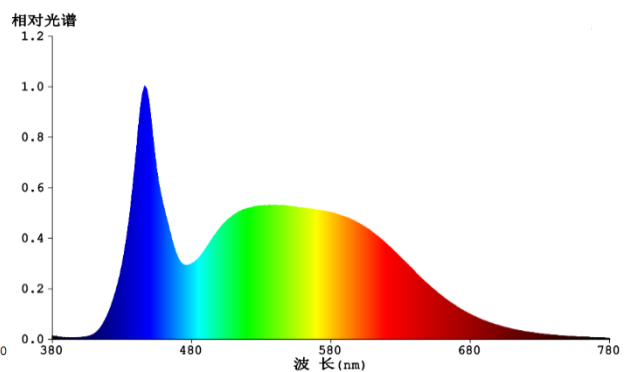
4000K Color Temperature



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

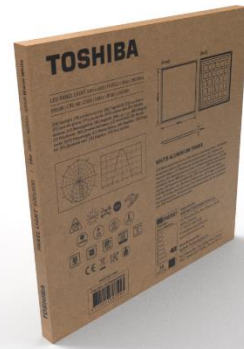


DELL-PL4403622A044

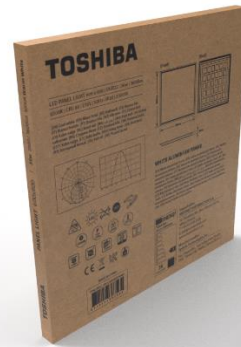


Packing Photograph

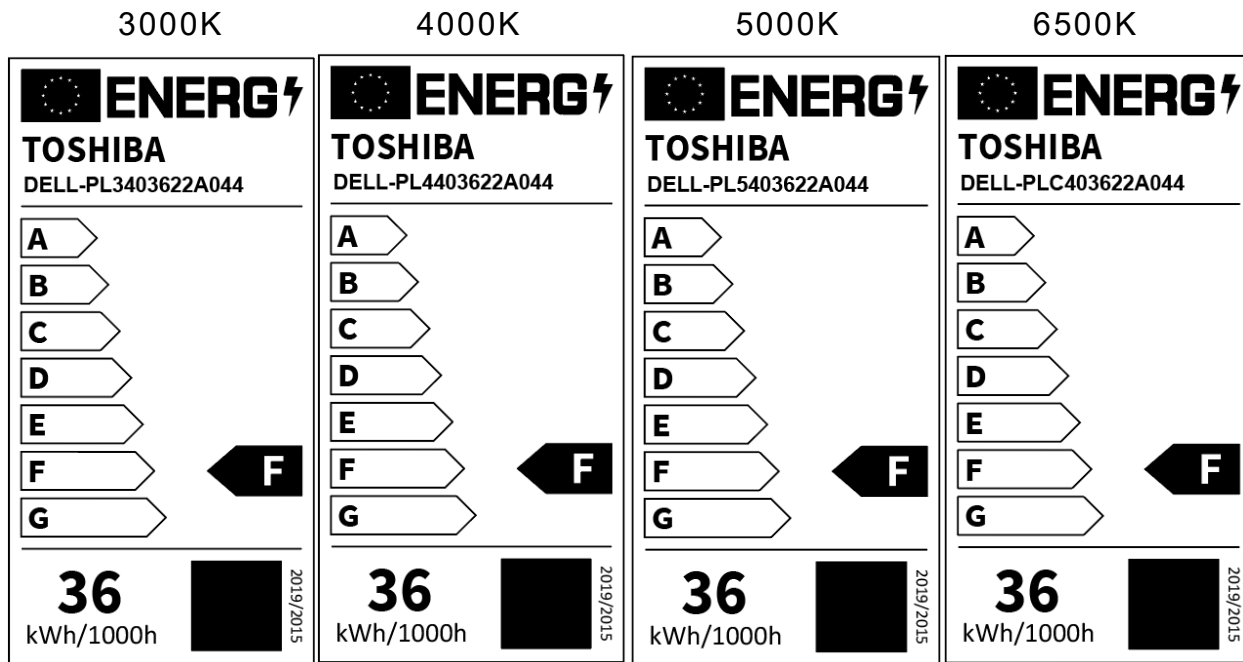
DELL-PL5403622A044



DELL-PLC403622A044



9. ERP Label



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

10. Conformity

| | |
|--|--|
| 2014/35/EU; Low Voltage Directive | EN 60598-2-2:2012 、 EN60598-1:2015+A1:2018 、 IEC/TR 62778: 2014 |
| 2014/30/EU; EMC Directive | EN 55015: 2019+A11:2020 、 EN 61000-3-2:2019 、 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 |