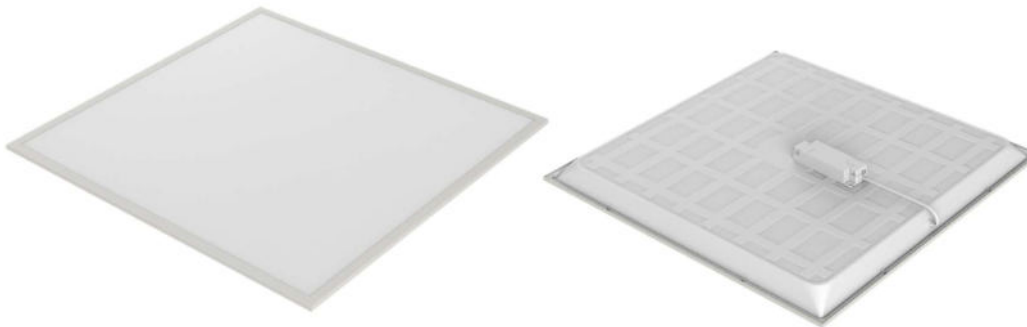


# PANEL LIGHT -600x600

## UGR<19 120 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-PL3403622U064	DELL-PL4403622U064	DELL-PL5403622U064	DELL-PLC403622U064
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)	1750	1750	1750	1750
Beam Angle (degrees)	90°	90°	90°	90°

<b>R9 CRI</b>	>1	>1	>1	>1
<b>Survival factor</b>	90%	90%	90%	90%
<b>Displacement factor (cos φ1)</b>	>0.9	>0.9	>0.9	>0.9
<b>Stroboscopic effect metric (SVM) ≤ 0.9</b>	0.1	0.1	0.1	0.1
<b>Flicker metric (PstLM) ≤ 1</b>	0.1	0.1	0.1	0.1
<b>Energy Efficiency Class (EEC)</b>	E	E	E	E
<b>Safety requirements</b>	CE	CE	CE	CE
<b>Applicable Environments</b>	IP40	IP40	IP40	IP40
<b>Photobiological Group</b>	RG0	RG0	RG0	RG0

### B. Light Data

<b>Color</b>	Warm white	Neutral White	Daylight White	Cool White
<b>Color Temperature (CCT)</b>	3000K	4000K	5000K	6500K
<b>Lumen Output* (φ120°)</b>	<b>3670 lm</b>	<b>3670 lm</b>	<b>3670 lm</b>	<b>3670 lm</b>
<b>Lumen Output* (φTotal)</b>	<b>4320 lm</b>	<b>4320 lm</b>	<b>4320 lm</b>	<b>4320 lm</b>
<b>Directional lamp</b>	Yes	Yes	Yes	Yes
<b>Beam angle correspondence*</b>	Wide cone	Wide cone	Wide cone	Wide cone
<b>Light source type</b>	Directional (DLS) not operating on mains (NMLS)			
<b>Color Rendering Index</b>	≥ 80			
<b>Efficacy( Useful)* ©</b>	111 lm/W	111 lm/W	111 lm/W	111 lm/W
<b>Efficacy( Total )*</b>	120 lm/W	120 lm/W	120 lm/W	120 lm/W
<b>Color Consistency**</b>	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 : Bean angle ≥ 90°(Φ120°, in a 120° cone) · Narrow cone :Bean angle < 90°(Φ90°, in a 90° cone)

### C. Lifetime

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

<b>Lumen Maintenance Factor</b>	70%of the rated lifetime
<b>Rated Lifetime – L<sub>70B50</sub></b>	25,000 hrs
<b>Lumen Maintenance factor</b>	95.8%

D. Temperature Operation

<b>Normal operation temperature</b>	-10°C ~ 45°C
<b>Relative Humidity</b>	10%~ 90%

E. Geometric Data

<b>Model</b>	Panel 600x600 UGR19 120lm/W
<b>Maximum Length</b>	595 ± 2 mm
<b>Maximum width</b>	595 ± 2 mm
<b>Maximum thickness</b>	34 ± 2 mm
<b>Mass</b>	1.25 kg ± 10%

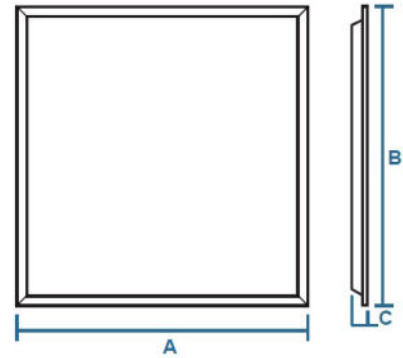
F. Environmental relevant materials

<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**

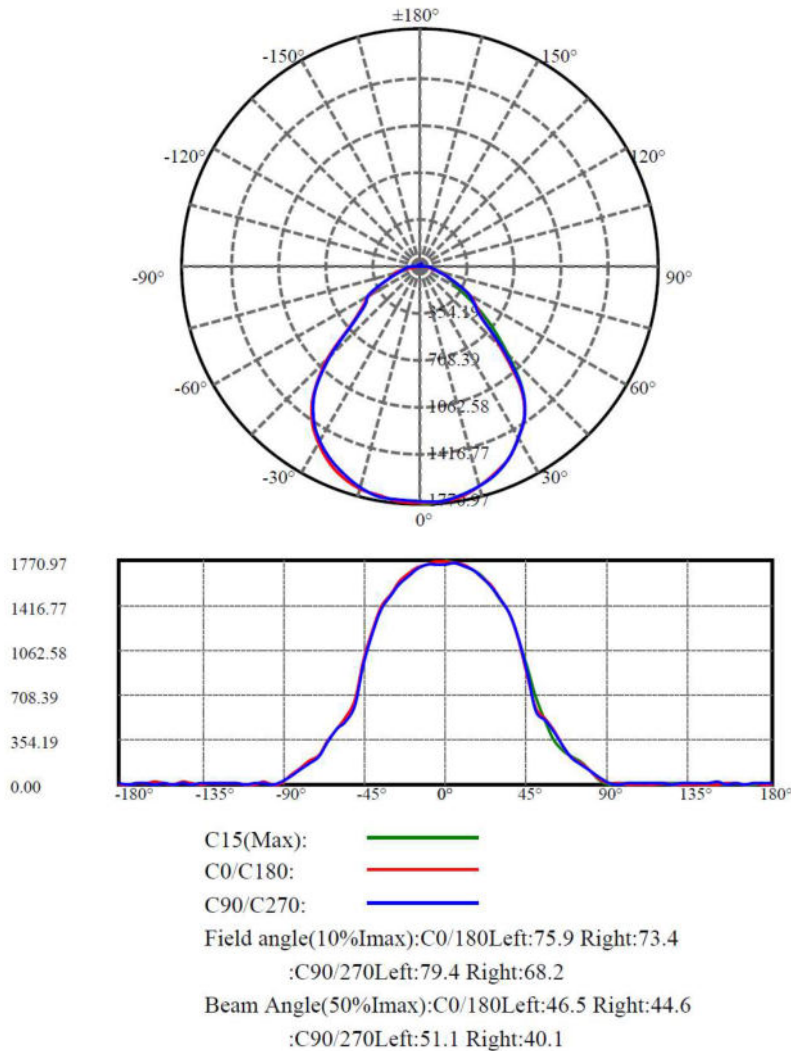
Unit : mm

Model NO.	Size A(mm)	Size B(mm)	Size C(mm)
DELL- PLx403622U064	595	595	34



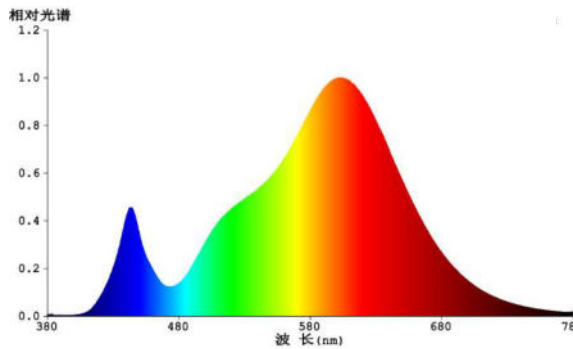
**3. Light Distribution Curve**

Full width at half maximum (FWHM) :90°

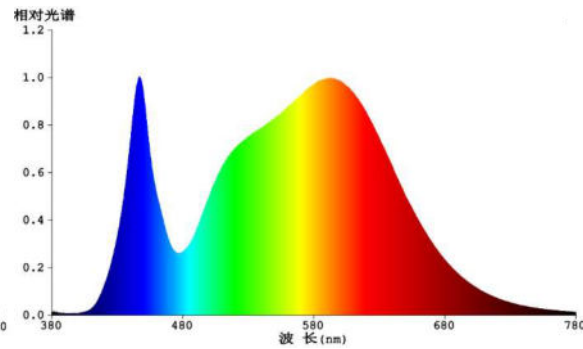


## 4. Spectrum Distribution

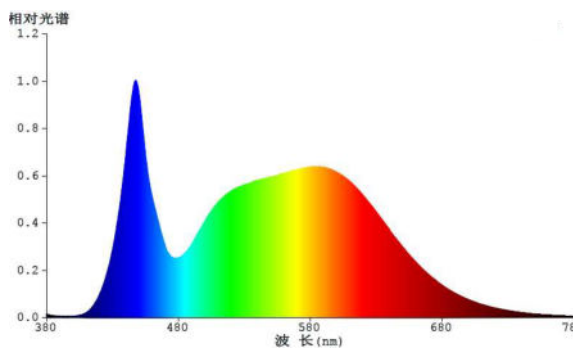
3000K Color Temperature



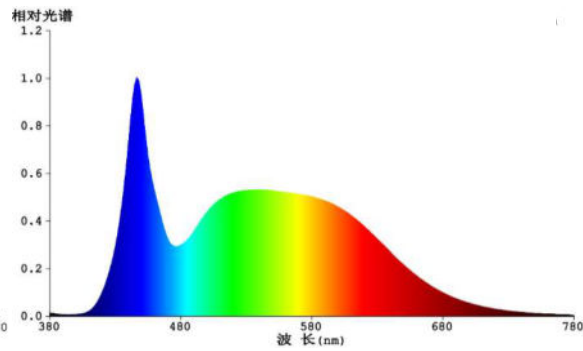
4000K Color Temperature



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	4711112387694	4711112387700	4711112387717	4711112387724
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	14711112387691	14711112387707	14711112387714	14711112387721
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



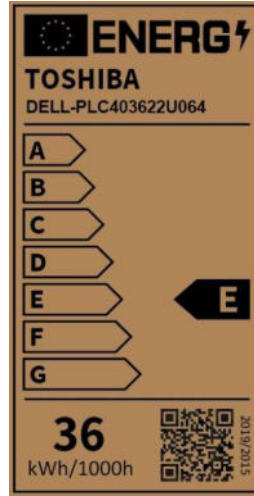
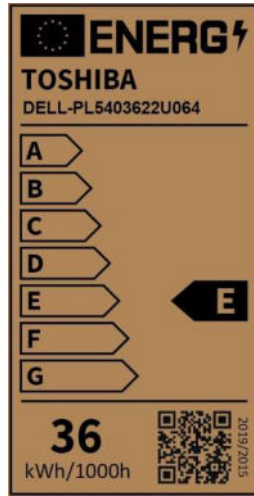
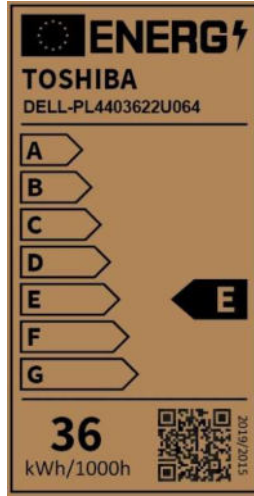
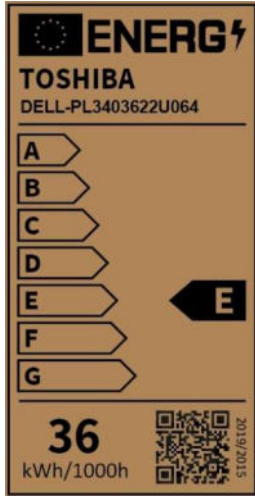
**9. ERP Label**

**3000K**

**4000K**

**5000K**

**6500K**



**10. Conformity**

<b>2014/35/EU; Low Voltage Directive</b>	EN 60598-2-2:2012 、 EN60598-1:2015 、 EN60598-1:2015/A1:2018 、 EN62471:2008 、 EN 62493:2015 、 IEC/TR 62778: 2014
<b>2014/30/EU; EMC Directive</b>	EN 55015: 2020 、 EN 61000-3-2:2021 、 EN 61000-3-3: 2013/A1:2019 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)2015/863; RoHS Directive</b>	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**



