

LED ILLUMINATED ART PANELS

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LIP MEDICAL
HEALTHCARE DESIGN

Specifications:

LED ILLUMINATED ART PANELS

V-Tech LED Panel - 30W - Data Sheet

Slim V-Tech Panel Light adopts super bright LED as a light source, which are stable, long life and have no UV & IR emission. The white aluminum frame is stylish and fashionable with everlasting colour. LED Panel Lights are the ideal replacement for traditional fluorescent recessed modular lights and can save up to 60% in energy costs.

Features

- Luminaire efficacy up to 100 lm/watt
- CRI >80, ErP compatible
- Ultra slim design 10.5mm thickness
- Supplied with 'plug and play' driver, non-dimmable
- 5 year warranty
- Quick and easy installation, no maintenance
- Ideal for: Offices, restaurants, hotels, schools, hospitals, hallways, lobbies, meeting rooms

Specifications

- Dimensions: 600 x 600mm, LED panel: 595 x 595 x 10.5mm (A x B x C)
- 30W power output / 3000 Lumens output
- Colour Rendering Index: >80
- Rated Life (L70): 50,000 Hours
- Frame: Aluminium
- Beam spread: 120°
- Input Voltage: 220-240V/AC
- Frequency: 50/60Hz
- Power Factor: >0.90
- Glow Wire: 650°C
- Installation: Recessed / Suspension

Surface mounted box

- Driver weight: 195g
- Net weight: 2800g
- Net weight including driver: 2995g



Specifications:

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EX-CEL PVC integral foam sheet are free of lead, cadmium, barium and other heavy metals.

Density: g l cc SHORE 'D' %, ASTM D 1505 0.55

Hardness: g l cc SHORE 'D' %, ASTM D 2240 70

Aater Absorption: g l cc SHORE 'D' %, ASTM D 570 0.1

Tensile strength: MPa, ASTM D 638, >13

Elongation: % ASTM D 638, >15

E-modulus: MPa ASTM D 638, 1150

Charpy Impact Strength: KJ/M2 DIN53253 >15

Flexural Strength: KJ/M2 ASTM D 790 >30

Compressive strength at 10% deformation: MPa, ASTM D 695, >3

Vicat (b/50): °C, ASTM D 1522, > 75

Heat deflection Temp. @1.8 mpa: °C, ASTM D 648, ~60

Coefficient of linear Thermal Expansion: °C-1, ASTM D 696, 5.56X10-5

Thermal Conductivity: W/m K, ASTM C 177, 0.1

Rate of Heat Transfer: W/M2 K, DIN 52616, 3.0 for 10mm, 2.0 for 19mm, 1.6 for 24mm, 1.35 for 30mm

Surface Resistivity: ASTM D 257, >10¹⁴

Volume Resistivity: ASTM D 257, >10¹⁵

Dielectric Constant: ASTM D 15, 1.7

COLOUR: White – J1054

THICKNESS: 10, 13, 14, 16, 19, 24, 25 & 30 mm.

WIDTH: 1000 ,1220 & 1250 mm

LENGTH: 000 ,2440, 2500, 3000,4880 & 5490 mm, special lengths & widths as per customer's request.

LENGTH: - 0, + 10 mm

WIDTH: :.5 mm

THICKNESS: + (0.1 + 0.05 x S)

Specifications:

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LED NON-Dimmable Driver

Compliances and Approvals Approval Markings Construction Classification Application RoHS/REACH	LED Deiver Non dimmable	CE, F-mark, SELV Independent Class II, indorr, LED panel light ROHS, REACH																																																												
Technical data for installation Rated mains voltage Operational mains voltage limits Mains frequency for safety Maximum driver per MCB Operational mains temperature Limits DC voltage operation		<table border="1"> <tr> <th>Min.</th> <th>Nom.</th> <th>MAX.</th> <th></th> </tr> <tr> <td></td> <td>220-240</td> <td></td> <td>Vrms</td> </tr> <tr> <td>198</td> <td></td> <td>264</td> <td>Vrms</td> </tr> <tr> <td>45</td> <td>50-60</td> <td>66</td> <td>Hz</td> </tr> <tr> <td></td> <td></td> <td>28</td> <td>Pcs</td> </tr> <tr> <td>-15</td> <td></td> <td>45</td> <td>°C</td> </tr> <tr> <td></td> <td>N.A</td> <td></td> <td></td> </tr> </table>	Min.	Nom.	MAX.			220-240		Vrms	198		264	Vrms	45	50-60	66	Hz			28	Pcs	-15		45	°C		N.A																																		
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Performance Performance Standard Output Voltage Max Output Voltage Output Current Output Current Tolerance Output Voltage Tolerance Percent of the output current ripple Output voltage ripple System Efficiency Powerfactor THD Inrush current Input Power@ None Load Protection Thermal Protection Turn-on delay time	IEC 62384:2006, GB24825-2009 With Load Without Load Full Load Full Load OVP, OCP, SCP	<table border="1"> <tr> <th>Min.</th> <th>Nom.</th> <th>MAX.</th> <th></th> </tr> <tr> <td>22</td> <td></td> <td>35</td> <td>Vrms</td> </tr> <tr> <td></td> <td></td> <td>50</td> <td>Vrms</td> </tr> <tr> <td></td> <td>0.9</td> <td></td> <td>A</td> </tr> <tr> <td>95%</td> <td></td> <td>105%</td> <td></td> </tr> <tr> <td></td> <td>N.A</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>5%</td> <td></td> </tr> <tr> <td></td> <td>N.A</td> <td></td> <td>mV</td> </tr> <tr> <td></td> <td>88%</td> <td></td> <td></td> </tr> <tr> <td></td> <td>0.9</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>20%</td> <td></td> </tr> <tr> <td></td> <td>15</td> <td></td> <td>A</td> </tr> <tr> <td></td> <td></td> <td>0.5</td> <td>W</td> </tr> <tr> <td></td> <td></td> <td>110 degree</td> <td></td> </tr> <tr> <td></td> <td></td> <td>0.5</td> <td>s</td> </tr> </table>	Min.	Nom.	MAX.		22		35	Vrms			50	Vrms		0.9		A	95%		105%			N.A					5%			N.A		mV		88%				0.9					20%			15		A			0.5	W			110 degree				0.5	s
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Immunity & EMI EMI & Impunity - surge	EN55015, EN61547	LN 1.2kV test																																																												
Robustness Withstand voltage -Input-output -Input-FG Failure Rate Maximum T case Life by T case Life	0.25%/1000Hrs 10% failures @ 50,000 @ Tc 85Deg@ full load	>3.75kV N.A <0.1%@1000h 85 °C 50000h <10% Fail rate@Tc																																																												
Mechanical Connection Housing Housing material Weight	VDE HO3WF-H2 2x0.75mm2 PC	<table border="1"> <tr> <th>L</th> <th>W</th> <th>H</th> <th>M1</th> </tr> <tr> <td>170</td> <td>41</td> <td>32</td> <td>162</td> </tr> </table> 0.22 Kg	L	W	H	M1	170	41	32	162																																																				
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Specifications:

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Features

- V-Tech Panel sizes: 600 x 600, 1200 x 300 and 1200 x 600mm
- Supplied pre-assembled for quick and easy installation
- Magnetic fixings provide clean screwless appearance
- Emergency LED indicator clip supplied
- Aluminium frame, 'easy slide' end cap
- IP20

Specification

- Dimensions:
 - 600 x 600 x 60mm - For all 600 x 600mm LED Panel range
 - 1200 x 300 x 60mm - For all 1200 x 300mm LED Panel range
 - 1200 x 600 x 60mm - For all 1200 x 600mm LED Panel range



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