

Specification

10mm Pixel Pitch with SMD LEDs

LVP 1050J

Large scale LED panel

A modular system for outdoor applications



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LVPI050J LED Panel Specifications

Parameter	Unit	LVPI050J
Brightness	nits	5,000
Colour temperature	deg. K	6,500
Viewing angle - Horizontal (50% brightness)	deg.	+65 / -65
Viewing angle - Vertical (50% brightness)	deg.	+37 / -46
Panel weight	kg	32
Panel diagonal	mm	800
Panel width	mm	640
Panel height	mm	480
Panel depth	mm	200
Panel area	sq. m.	0.3072
Panel material		Epoxy paint coated Aluminum
Aspect ratio		4:3
Ingress protection (front/rear)	IP	IP65 / IP43
Operating temperature range	deg. C	-20 to +40
Pixel type and configuration	R/G/B	SMD 1,1,1
Pixel pitch	mm	10
Pixel matrix per panel		64 x 48
Pixels per panel		3,072
Lines per meter		100
Pixels per sq. meter		10,000
LED per sq. meter		30,000
Recommended minimum viewing distance	m	7
Colours		16.7 million
Grey scale (linear)	Levels	8,192 levels per colour
Brightness control	Levels	95
Processing depth	bit	13
Panel System Type		M4
Frame rate	Hertz	60
Display refresh rate	Hertz	Typical 1,000
Drive type		Direct
Input voltage (nominal)	VAC	110 to 240
Input power frequency	Hertz	50 to 60
Input power (max)	Watts	700
Input power (typical)	Watts	280
Lifetime (50% brightness)	Hours	50,000
Red wavelength (dominant)	nm	615
Green wavelength (dominant)	nm	525
Blue wavelength (dominant)	nm	470
Panel input format		Propriety SDI
Data interconnection		Serial coaxial BNC
Rigging system		Single king pin fast rig

