

## Specification

6.667mm Pixel Pitch with SMD LEDs

# R6

Large scale LED panel

A modular system for indoor applications



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**Document version**  
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## R6 LED Panel Specifications

Parameter	Unit	R6
Brightness	nits	3,000
Colour temperature	deg. K	6,500
Viewing angle - Horizontal (50% brightness)	deg.	+70 / -70
Viewing angle - Vertical (50% brightness)	deg.	+50 / -55
Panel weight	kg	29
Panel diagonal	mm	800
Panel width	mm	640
Panel height	mm	480
Panel depth	mm	191
Panel area	sq. m.	0.3072
Panel material		Epoxy paint coated Aluminum
Aspect ratio		4:3
Ingress protection (front/rear)	IP	IP31
Operating temperature range	deg. C	0 to +35
Pixel type and configuration	R/G/B	SMD 1,1,1
Pixel pitch	mm	6.667
Pixel matrix per panel		96 x 72
Pixels per panel		6912
Lines per meter		150
Pixels per sq. meter		22,500
LED per sq. meter		67,500
Recommended minimum viewing distance	m	6
Colours		4.4 trillion
Grey scale (linear)	Levels	16384 levels per colour
Brightness control	Levels	95
Processing depth	bit	14
Panel System Type		M4
Frame rate	Hertz	50/60
Display refresh rate	Hertz	100k
Drive type		Direct
Input voltage (nominal)	VAC	110 to 240
Input power frequency	Hertz	50 to 60
Input power (max)	Watts	524
Input power (typical)	Watts	210
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