

LIGHTHOUSE

Specification

10mm Pixel Pitch with SMD LEDs

P10-FA

Large scale LED screen

A modular system for indoor applications

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Document version
LH-P10-FA-SPEC-V1.1

PI0-FA LED Screen Specifications

Parameter	Unit	PI0-FA
Brightness	nits	2,000
Colour temperature	deg. K	6,500
Viewing angle - Horizontal (50% brightness)	deg	140(+/-70)
Viewing angle - Vertical (50% brightness)	deg	140(+/-70)
Screen weight	kg	16.6
Screen diagonal	mm	800
Screen width	mm	640
Screen height	mm	480
Screen depth	mm	154
Screen area	sq. m.	0.3072
Screen material		Epoxy paint coated Aluminum
Aspect ratio		4:3
Ingress protection (front/rear)	IP	Front IP20/ Rear IP20
Operating temperature range	deg. C	0 to +35
Pixel type and configuration	R/G/B	SMD 1,1,1
Pixel pitch	mm	10
Pixel matrix per screen		64 x 48
Pixels per screen		3,072
Lines per meter		100
Pixels per sq. meter		10,000
LED per sq. meter		30,000
Recommended minimum viewing distance	m	10
Colours		4.4 Trillion
Grey scale (linear)	Levels	16,384 levels per colour
Brightness control	Levels	95
Processing depth	bit	14
Screen System Type		M4
Frame rate	Hertz	50/60
Display refresh rate	Hertz	100K
Input voltage (nominal)	VAC	110 to 240
Input power frequency	Hertz	50 to 60
Input power (max)	Watts	250
Input power (typical)	Watts	100
Lifetime (50% brightness)	Hours	50,000
Red wavelength (dominant)	nm	615
Green wavelength (dominant)	nm	530
Blue wavelength (dominant)	nm	470
Screen input format		RGBHV, YUV YC Composite
Rigging system		Fixed with 4pcs M10 bolts