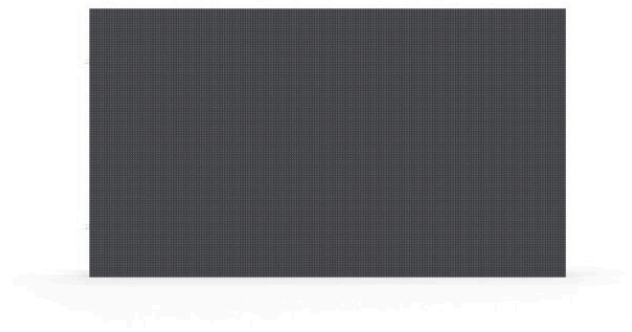


Sharp LD-E121

1.2 mm Indoor FinePitch LED Module

Datasheet



High Impact. Streamlined Value

Bring the brilliance of fine-pitch LED to value-driven environments, without compromising on performance. Purpose-built for corporate meeting rooms and digital signage, the Sharp E Series delivers vivid content clarity and brightness for excellent visibility.

Modular in design, the E Series can be configured to any size or shape to create seamless large format surfaces, free from distracting bezels. The slim, lightweight design supports easy installation, either wall-mounted or free-standing, while front access to all components simplifies maintenance. A durable metal chassis ensures long-term reliability, in line with Sharp's reputation for engineering quality.

Designed to meet the demands of modern visual communication, the E Series combines professional-grade performance with streamlined deployment, bringing high-impact LED to a broader range of applications.

Benefits

Low-profile integration – the super slim and light weight modules align with perfection to create a large digital canvas which integrates unobtrusively into any environment.

Front serviceable modules – with front access to the LED modules, maintenance is easy.

Slim design – with a flush rear profile, LED modules can be integrated very close to the wall with

minimal gap necessary due to very low heat emission.

Trouble-free installation – for wall mounted or freestanding deployments, the mechanical cabinet design makes installation quick and easy.

Product Information

Product Name	Sharp LD-E121
Product Group	1.2 mm Indoor FinePitch LED Module
Order Code	81000841

Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (1010)
Aspect Ratio	16:9
Pixel Pitch [mm]	1.2
Brightness (max.) [cd/m²]	600
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	170 horizontal / 160 vertical
Dimming Capability	256 levels
Colour Processing	16 bit
Colours [Trill.]	281
LED Driving Method	1/45 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

Screen Resolution

Resolution per m²	640000
Number of Pixel per module [dot]	480 x 270
Number of Pixel per card [dot]	120 x 270

Electrical

Power Consumption typ. [W]	291 per m² (normal use)
Power Consumption max. [W]	617 per m²
Power Consumption typ. [BTU]	991 per m² (normal use)
Power Consumption max. [BTU]	2099 per m²

Environmental Conditions

Operating Temperature	-20 to 40
[°C]	
Operating Humidity [%]	10 to 80

Mechanical

Dimensions (W x H x D)	600 x 337.5 x 29
[mm] per module	
Weight [kg]	4.7

Additional Features

Shipping Content	LED Modules (1 Cabinets, 4 Pixel Cards)
Special Characteristics	Flush Surface SMD Design; Single Data Receiving Cards; Single Power Supplies
Manufacturer	SHARP
Serviceability	Front Service
IP Level	IP20
Certifications	CE; ETL; FCC Class A; RoHS
Warranty	2 years
Material	Aluminum Cabinet



RoHS



FCC Class A



CE

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