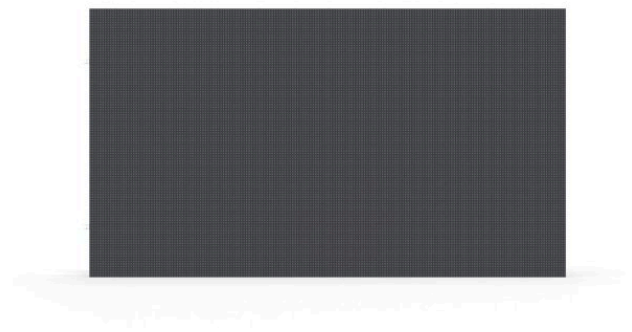


Sharp LD-E251

2.5 mm Indoor FinePitch LED Module

Preliminary 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

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

Large scale for perfectly detailed imagery – completely bezel-less design with high contrast rates deliver an unhindered viewing experience.

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

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.

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.

Product Information

Product Name	Sharp LD-E251
Product Group	2.5 mm Indoor FinePitch LED Module
Order Code	81000845

Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (2121)
Aspect Ratio	16:9
Pixel Pitch [mm]	2.5
Brightness (max.) [cd/m²]	1000
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	7000:1
Viewing Angle [°]	160 horizontal / 155 vertical
Dimming Capability	256 levels
Colour Processing	18 bit
Colours [Trill.]	18000
LED Driving Method	1/27 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

Screen Resolution

Resolution per m²	160000
Number of Pixel per module [dot]	240 x 135
Number of Pixel per card [dot]	60 x 135

Electrical

Power Consumption typ. [W]	198 per m² (normal use)
Power Consumption max. [W]	617 per m²

Environmental Conditions

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

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

Additional Features

Shipping Content	LED Modules (1 Cabinets, 4 Pixel Cards); Spare Parts Kit
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

FCC Class A

CE

RoHS