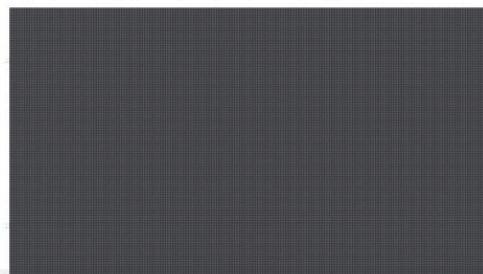


Sharp LD-E181

1.8 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

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-E181
Product Group	1.8 mm Indoor FinePitch LED Module
Order Code	81000843

Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (1415)
Aspect Ratio	16:9
Pixel Pitch [mm]	1.8
Brightness (max.) [cd/m ²]	800
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1
Viewing Angle [°]	140 horizontal / 140 vertical
Dimming Capability	256 levels
Colour Processing	16 bit
Colours [Trill.]	281
LED Driving Method	1/60 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

Screen Resolution

Resolution per m ²	284444
Number of Pixel per module [dot]	320 x 180
Number of Pixel per card [dot]	80 x 180

Electrical

Power Consumption typ. [W]	212 per m ² (normal use)
Power Consumption max. [W]	617 per m ²

Environmental Conditions

Operating Temperature	-20 to 40 [°C]
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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); 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



RoHS



CE



FCC Class A

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