

Sharp LD-E121-108

Indoor LED 1.2 mm 108" FullHD Bundle

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.

Available in standard-size bundles, it includes all the components needed for seamless integration of large format displays, 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.

An SoC-based controller enables wireless content sharing and seamless connectivity with external devices. Whether presenting or collaborating, the E Series supports intuitive operation and minimal setup.

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.

Care-free installation – with bundled solutions that deliver all you need to get your LED video wall up and running.

Product Information

Product Name	Sharp LD-E121-108
Product Group	Indoor LED 1.2 mm 108" FullHD Bundle
Order Code	81000829 (With Powerbar), 81000955 (No Powerbar)

Display

Pixel Configuration	3-in-1 SMD (Black)
LED type	SMD (1010)
Screen Size [inch/cm]	108 / 274
Aspect Ratio	16:9
Pixel Pitch [mm]	1.2
Brightness (max.) [cd/ m ²]	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 trillion
LED Driving Method	1/45 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

Screen Resolution

Resolution	1920 x 1080
Resolution per m ²	640000
Number of Pixel per module [dot]	480 x 270
Number of Pixel per card [dot]	120 x 270

Connectivity

Input Video Digital	1 x 3G SDI; 1 x DVI-D; 1 x HDMI
Input Control	1 x GenLock; 1 x LAN

Electrical

Total Power Consumption [W]	944 typ. / 2000 max.
--------------------------------	----------------------

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

Dimensions (W x H x D) 2,412 x 1,362 x 50 without powerbar; 2,412 x 1,406 x 50 incl. powerbar
[mm]

Weight [kg] 100 without powerbar; 96.7

Additional Features

Shipping Content 1x LED Controller; LED Modules (16 Cabinets, 64 Pixel Cards); Overframe Kit (4x4); Pixel Card Removal Tool; Powerbar (depending on version); Spare Parts Kit; Wall mount (4x4)

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

* 108 inch



CE



FCC Class A



RoHS

This document is © 2025 Sharp NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 04.09.2025