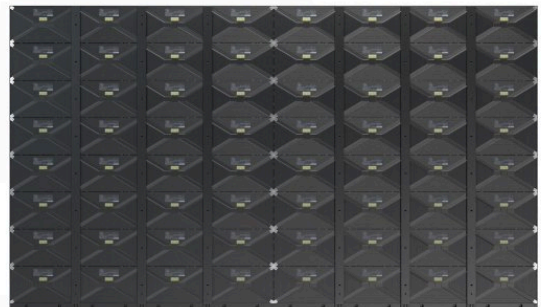


Sharp LD-E251-217

Indoor LED 2.5 mm 217" 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

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-E251-217 |
| Product Group | Indoor LED 2.5 mm 217" FullHD Bundle |
| Order Code | 81000833 (With Powerbar), 81000961 (No Powerbar) |

Display

| | |
|---------------------------|-------------------------------|
| Pixel Configuration | 3-in-1 SMD (Black) |
| LED type | SMD (2121) |
| Screen Size [inch/cm] | 217 / 551.18 |
| 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 | 1920 x 1080 |
| Resolution per m² | 160000 |
| Number of Pixel per module [dot] | 240 x 135 |
| Number of Pixel per card [dot] | 60 x 135 |

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] | 2560 typ. / 8000 max. |
|-----------------------------|-----------------------|

| | |
|-------------------------------|-------------------------------------|
| Power Consumption typ. [W] | 198 per m ² (normal use) |
|-------------------------------|-------------------------------------|

| | |
|-------------------------------|------------------------|
| Power Consumption max. [W] | 617 per m ² |
|-------------------------------|------------------------|

Environmental Conditions

| | |
|-------------------------------|-----------|
| Operating Temperature [°C] | -20 to 40 |
|-------------------------------|-----------|

| | |
|------------------------|----------|
| Operating Humidity [%] | 10 to 80 |
|------------------------|----------|

Mechanical

| | |
|---|------------------|
| Dimensions (W x H x D) [mm] per module | 600 x 337.5 x 29 |
|---|------------------|

| | |
|--------------------------------|--|
| Dimensions (W x H x D) [mm] | 4,812 x 2,712 x 50 without powerbar; 4,812 x 2,756 x 50 incl. powerbar |
|--------------------------------|--|

| | |
|-------------|-----------------------------|
| Weight [kg] | 376; 388.3 without powerbar |
|-------------|-----------------------------|

Additional Features

| | |
|------------------|---|
| Shipping Content | 1x LED Controller; LED Modules (64 Cabinets, 256 Pixel Cards); Overframe Kit (8x8); Pixel Card Removal Tool; Powerbar (depending on version); Spare Parts Kit; Wall mount (8x8) |
|------------------|---|

| | |
|-------------------------|--|
| 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 |
|----------|------------------|

* 217 inch



CE



RoHS



FCC Class A

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