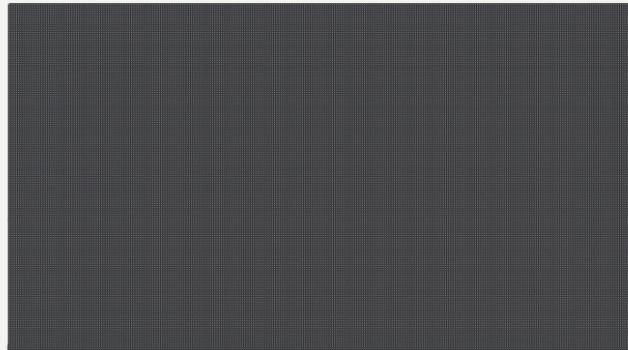


# Preliminary Datasheet

2.5 mm Indoor FinePitch LED Module

## Sharp LD-E251



### 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.

# Specifications

## 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/m<sup>2</sup>]

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 m<sup>2</sup>

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 m<sup>2</sup> (normal use)

Power Consumption max. [W]

617 per m<sup>2</sup>

## 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

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

This document is © 2026 Sharp 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. 29.01.2026