

## Sharp LD-E121

### 1.2 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

**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.

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

## Product Information

|               |                                    |
|---------------|------------------------------------|
| Product Name  | Sharp LD-E121                      |
| Product Group | 1.2 mm Indoor FinePitch LED Module |
| Order Code    | 81000841                           |

## Display

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

## Screen Resolution

|                                  |           |
|----------------------------------|-----------|
| Resolution per m <sup>2</sup>    | 640000    |
| Number of Pixel per module [dot] | 480 x 270 |
| Number of Pixel per card [dot]   | 120 x 270 |

## Electrical

|                              |                                     |
|------------------------------|-------------------------------------|
| Power Consumption typ. [W]   | 291 per m <sup>2</sup> (normal use) |
| Power Consumption max. [W]   | 617 per m <sup>2</sup>              |
| Power Consumption typ. [BTU] | 991 per m <sup>2</sup> (normal use) |
| Power Consumption max. [BTU] | 2099 per m <sup>2</sup>             |

## 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

Weight [kg] 4.7

## Additional Features

|                         |  |
|-------------------------|--|
| Shipping Content        | LED Modules (1 Cabinets, 4 Pixel Cards)                                      |
| 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



FCC Class A



CE

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