

Sharp LD-D121-220

Indoor LED 1.2 mm 220" UHD Bundle

Datasheet



Next-Level Visual Performance. Built to Endure.

Delivering vibrant colour, deep blacks, and extreme contrast, the Sharp D Series redefines the visual experience with captivating content, even in the brightest environments. Powered by advanced flip-chip CoB technology, it provides outstanding image clarity and true blacks, aligning it for presentation of detail-rich content, wayfinding, and immersive digital storytelling across a variety of settings.

The highly energy efficient flip-chip CoB architecture not only enhances visual performance but also reduces power consumption, helping to significantly lower operating costs over its long lifetime.

Engineered for durability, the D Series performs reliably in demanding spaces such as transport hubs, public venues and corporate settings. Choose from standard-size bundle options, including all the components needed for seamless integration of large format displays, free from distracting bezels. Its robust construction, high brightness, and long service life make it a smart investment for professional installations that prioritise visual quality and long-term value.

Benefits

Excellent contrast ratio of up to 20000:1 and deep black level – ensures content is presented in vivid clarity for the best possible viewing experience.

Significantly lowering your energy usage – CoB technology is highly efficient, consuming up to 40% less power compared to standard SMD technology at the same brightness output.

Established mechanical cabinet design – supports wall mounted or freestanding installation with speed and ease, achieving precision module alignment for a single large surface perception.

Excellent visual performance – unseen colour reproduction with excellent off angle performance.

Secure investment in high-end dvLED visualisations – CoB technology enables installations to be more robust and long lasting.

Product Information

| | |
|---------------|-----------------------------------|
| Product Name | Sharp LD-D121-220 |
| Product Group | Indoor LED 1.2 mm 220" UHD Bundle |
| Components | LD-D121 |
| Order Code | 81000826 |

Display

| | |
|---------------------------|-------------------------------|
| LED type | COB (0408) |
| Screen Size [inch/cm] | 220 / 559 |
| Aspect Ratio | 16:9 |
| Pixel Pitch [mm] | 1.2 |
| Brightness (max.) [cd/m²] | 800 |
| Lifetime | 100000 hrs (50% brightness) |
| Contrast Ratio (typ.) | 20000:1 |
| Viewing Angle [°] | 160 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 | 3840 x 2160 |
| Resolution per m² | 623269 |
| Number of Pixel per module [dot] | 480 x 270 |
| Number of Pixel per card [dot] | 120 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. / 4480 max. |
|-----------------------------|-----------------------|

| | |
|---------------------------------|-------------------------------------|
| Power Consumption typ. [W] | 192 per m ² (normal use) |
| Power Consumption max. [W] | 337 per m ² |
| Power Consumption typ. [BTU] | 653 per m ² (normal use) |
| Power Consumption max. [BTU] | 1146 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 | 608 x 342 x 48.5 |
| Dimensions (W x H x D) [mm] | 4,904 x 2,857.5 x 82 |
| Weight [kg] | 543 |

Additional Features

| | |
|-------------------------|---|
| Shipping Content | 1x LED Controller; LED Modules (64 Cabinets, 512 Pixel Cards); Overframe Kit (8x8); Pixel Card Removal Tool; Powerbar (depending on version); Spare Parts Kit; Wall mount (8x8) |
| Special Characteristics | Single Data Receiving Cards; Single Power Supplies |
| Manufacturer | SHARP |
| Serviceability | Front Service |
| IP Level | IP20; IP40 |
| Certifications | CE; ETL; FCC Class A; RoHS |
| Warranty | 3 years |
| Material | Aluminum Cabinet |

* 220 inch



CE



RoHS



FCC Class A

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