Direct View LED - Indoor

Sharp LD-FE093

Engineered for efficiency, without compromise

- Significantly lower energy usage Highly efficient Flip-Chip IMD technology reduces power consumption by up to 60% compared to standard SMD, at the same brightness.
- Uncompromised image quality An exceptional contrast ratio, ultra-deep black levels, fine pixel pitch, and wide viewing angles ensure vivid clarity and accurate colour reproduction even in bright ambient light conditions.
- Minimised interference low electromagnetic emissions allowing for EMC Class-B certified modules.
- Scalable versatility Customisable to any shape or size, the bezel-free modules fit the space available enabling endless creative possibilities and seamless large-surface installations.
- 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.

Options

Value Added Services

Installation Service for Direct View LED Optional Installation Service for dedicated Sharp Direct View LED Screen Solutions
Optional Installation Service for dedicated Sharp Direct View LED Screen Solutions

Installation Supervision for Direct View LED Optional Installation Supervision Service for dedicated Sharp Direct View LED Screen Solutions
Optional Installation Supervision Service for dedicated Sharp Direct View LED Screen Solutions

Site Survey for Direct View LED Optional Site Survey for dedicated Sharp Direct View LED Screen Solutions
Optional Site Survey for dedicated Sharp Direct View LED Screen Solutions

On-site Service for Direct View LED Optional On-site Service for dedicated Sharp Direct View LED Screen Solutions
Optional On-site Service for dedicated Sharp Direct View LED Screen Solutions

Brightness Calibration Service for Direct View LED Optional Brightness Calibration Service for dedicated Sharp Direct View LED Screen Soluitons
Optional Brightness Calibration Service for dedicated Sharp Direct View LED Screen Soluitons

Preventive Maintenance for Direct VIew LED Optional Preventive Maintenance Service for dedicated Sharp Direct View LED Screen Solutions
Optional Preventive Maintenance Service for dedicated Sharp Direct View LED Screen Solutions

Pixel Card Service Pack for Direct View LED Optional free of charge Pixel Card Service Pack for dedicated Sharp Direct View LED Screen Solutions
Optional free of charge Pixel Card Service Pack for dedicated Sharp Direct View LED Screen Solutions

Remote Power Switches

LED-RPS-CL-R Remote Power Switch
Remote Power Switch

LED-RPS-CL-B1 Remote Power Switch (standalone boxed version)
Remote Power Switch (standalone boxed version)

LED-RPS-CL-BL1 Remote Power Switch (standalone boxed version - LAN)
Remote Power Switch (standalone boxed version - LAN)

Image Control and Connectivity

Hiperwall Innovative software- and IP-based solution to create reliable and flexible video wall solutions that can display data and video images from different sources at unequaled high resolutions
Innovative software- and IP-based solution to create reliable and flexible video wall solutions that can display data and video images from different sources at unequaled high resolutions.

Warranty Extensions

Warranty Extension for Direct View LED (4th to 5th year) Optional Warranty Extension (4th to 5th year) for dedicated Sharp Direct View LED Screen Solutions
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Specifications

General

Series	[sharp-ld-fe-series-indoor]
Order Code	LDFE093

Display

Aspect Ratio	16:9
Brightness Max. (cd/m²)	600
Colour Processing	16 bit
Colours (Trill.)	281
Colour Temperature (K)	3000 - 9500
Contrast Ratio	4000:1
Dimming Capability	256 levels
Frame Rate (Hz)	50/60
LED Driving Method	1/46 dynamic scan
LED Type	FlipChip IMD (1616)
Lifetime (hrs)	100000 hrs (50% brightness)
[AVLEDSpecificationPixelConfiguration]	4-in-1 IMD (Black)
Pixel Pitch (mm)	0.9
Refresh Rate ≤ (Hz)	3840
Viewing Angle (°)	170 horizontal / 170 vertical

Resolution

Number of Pixel Per Card (dot)	160 x 180
Resolution Per m²	1108033
Number of Pixel Per Module (dot)	640 x 360

Electrical

Power Consumption Max (BTU/h per m²)	574
Power Consumption Typ. Normal Use (BTU/h per m²)	328
Power Consumption Max (W/m²)	168
Power Consumption Typ. Normal Use (W/m²)	96

Mechanical

Module Width (mm)	608
Module Height (mm)	342
Module Depth (mm)	49
Weight (kg)	8.8

Environmental Conditions

Operating Humidity (%)	10 to 80
Operating Temperature (°C)	-10 to 40

Additional Features

Special Characteristics	Single Power Supplies, Flush Surface SMD Design, Single Data Receiving Cards
Certifications	ETL, FCC Class A, RoHS, CE, EMC Class B
Warranty	3 years
Manufacturer	[sharp]
Material	Aluminum Cabinet
Serviceability	Front Service

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