Direct View LED - QHD Bundle

Sharp LD-EC091-108



Built to last, designed to inspire

- Reduced operating costs Up to 60% lower power consumption than standard SMD technology at equivalent brightness, with reduced cooling demands.
- Consistent high-contrast image quality A 10000:1 contrast ratio delivers deep blacks and clear detail, ensuring excellent visibility even in bright environments.
- Durability and longevity A sealed, easy-clean surface protects against dust, moisture and projectiles, making it robust for use in high traffic areas.
- Fast and easy installation Established mechanical housing design and front-access modules enable quick, precise installation and simplified servicing.

Options

Warranty Extensions

Warranty Extension for Direct View LED (3rd, 3rd to 5th year) Optional Warranty Extension (3rd year and 3rd to 5th year) for dedicated Sharp Direct View LED Screen Solutions
Optional Warranty Extension (3rd year and 3rd to 5th year) for dedicated Sharp Direct View LED Screen Solutions

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
Optional Warranty Extension (4th to 5th year) 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)

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
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Specifications

General

Series	[sharp-ld-ec-series-indoor]
Order Code	LDEC091-108,LCEC091-108-NP (no powerbar)

Display

Aspect Ratio	16:9
Brightness Max. (cd/m²)	600
Colour Processing	14 bit
Colour Temperature (K)	3000 - 9500
Contrast Ratio	8000:1
Dimming Capability	256 levels
Frame Rate (Hz)	50/60
LED Driving Method	1/60 dynamic scan
LED Type	FlipChip COB (0407)
Lifetime (hrs)	100000 hrs (50% brightness)
Pixel Pitch (mm)	0.9
Refresh Rate ≤ (Hz)	3840
Screen Size (inch)	108
Screen Size (cm)	274
Viewing Angle (°)	160 horizontal / 140 vertical

Resolution

Number of Pixel Per Card (dot)	160 x 180
Resolution Per m²	1137778
Number of Pixel Per Module (dot)	640 x 360
Resolution	2560 x 1440

Connectivity

Input Control	1 x LAN
Input Video Digital (via controller)	1 x HDMI

Electrical

Power Consumption Max (BTU/h per m²)	1058
Power Consumption Typ. Normal Use (BTU/h per m²)	705
Power Consumption Max (W/m²)	311
Power Consumption Typ. Normal Use (W/m²)	207
[AVLEDSpecificationTotalPowerConsumptionTypW]	672
[AVLEDSpecificationTotalPowerConsumptionMaxW]	1008

Mechanical

Module Width (mm)	600
Module Height (mm)	337.5
Module Depth (mm)	27.4
Bundle Width (mm)	2412
Bundle Height (mm)	1406
Bundle Depth (mm)	50
Bundle Height excl. Powerbar (mm)	1362
Weight (kg)	89.7

Environmental Conditions

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

Additional Features

Special Characteristics	Single Data Receiving Cards, Single Power Supplies
Certifications	ETL, RoHS, CE, UKCA, FCC Class A
Warranty	2 years
Manufacturer	[sharp]
Material	Aluminum Cabinet
Serviceability	Front Service
Shipping Content	LED Modules (1 Cabinets, 8 Pixel Cards), Powerbar (depending on version), 1x LED Controller, 4 x 4, Overframe Kit (4x4), Pixel Card Removal Tool, Spare Parts Kit, Wall mount (4x4)

QHD 2560×1440

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