

Sharp LD-D091-165

Indoor LED 0.9 mm 165" 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-D091-165
Product Group	Indoor LED 0.9 mm 165" UHD Bundle
Components	LD-D091
Order Code	81000823

Display

LED type	COB (0408)
Screen Size [inch/cm]	165 / 419
Aspect Ratio	16:9
Pixel Pitch [mm]	0.9
Brightness (max.) [cd/m ²]	800
Lifetime	100000 hrs (50% brightness)
Contrast Ratio (typ.)	20000:1
Viewing Angle [°]	160 horizontal / 150 vertical
Dimming Capability	256 levels
Colour Processing	16 bit
Colours [Trill.]	281
LED Driving Method	1/36 dynamic scan
Frame Rate [Hz]	50/60
Refresh Rate [Hz]	≤ 3840
Colour Temperature [K]	3000 - 9500

Screen Resolution

Resolution	3840 x 2160
Resolution per m ²	1108033
Number of Pixel per module [dot]	640 x 360
Number of Pixel per card [dot]	160 x 180

Connectivity

Input Video Digital	1 x HDMI
Input Control	1 x GenLock; 1 x LAN

Electrical

Total Power Consumption [W]	1008 typ. / 2160 max.
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Power Consumption typ. [W]	135 per m ² (normal use)
Power Consumption max. [W]	289 per m ²
Power Consumption typ. [BTU]	459 per m ² (normal use)
Power Consumption max. [BTU]	983 per m ²

Environmental Conditions

Operating Temperature -20 to 40

[°C]

Operating Humidity [%] 10 to 80

Mechanical

Dimensions (W x H x D) 608 x 342 x 48.5

[mm] per module

Dimensions (W x H x D) 3,688 x 2,176.5 x 82

[mm]

Weight [kg] 325

Additional Features

Shipping Content 1x LED Controller; LED Modules (36 Cabinets, 288 Pixel Cards); Overframe Kit (6x6); Pixel Card Removal Tool; Powerbar (depending on version); Spare Parts Kit; Wall mount (6x6)

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

* 165 inch



RoHS



FCC Class A

CE

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