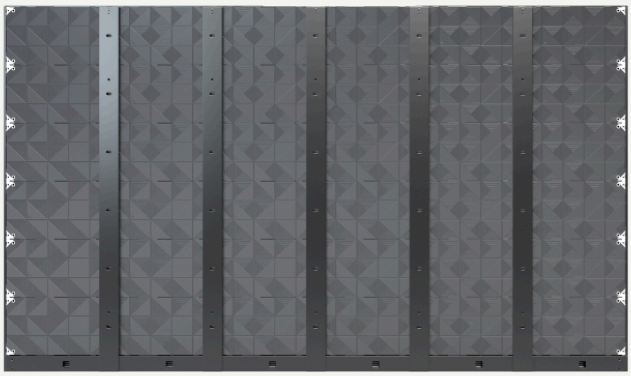
Indoor LED 0.9 mm 165" UHD Bundle

Sharp LD-D091-165



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.

Specifications

Product Information

Product Name
Sharp LD-D091-165

Product Group
Indoor LED 0.9 mm 165" UHD Bundle

Components
LD-D091

Order Code
LDD091-165, LDD091-165-NP (no powerbar)

Display

LED type
COB (0408)

Screen Size [inch/cm]
165 / 419

Pixel Pitch [mm]
0.9

Aspect Ratio
16:9

Contrast Ratio (typ.)
20000:1

Viewing Angle [°]
160 horizontal / 150 vertical

Brightness (max.) [cd/m²]
800

Dimming Capability
256 levels

Lifetime
100000 hrs (50% brightness)

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

Number of Pixel per m²
1108033

Resolution of Pixel per module [dot]
640 x 360

Resolution of Pixel Card [px]
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.

Power Consumption typ. [W]
135 per m² (normal use)

Power Consumption max. [W]
289 per m²

Power Consumption typ. [BTU]
459 per m² (normal use)

Power Consumption max. [BTU]
983 per m²

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]
3,688 x 2,176.5 x 82

Weight [kg]
325

Regulatory

Safety and Ergonomics
CE; ETL; FCC Class A; RoHS

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

Warranty
3 years

Material
Aluminum Cabinet

* 165 inch

RoHS FCC Class A CE

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