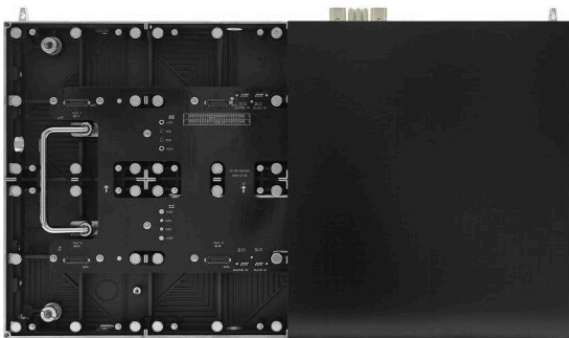


## Sharp LD-D091

0.9 mm Indoor FinePitch LED Module

# 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. Modular flexibility allows the configuration of any size or shape, seamlessly filling the available space without 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
Product Group	0.9 mm Indoor FinePitch LED Module
Order Code	81000846

**Display**

LED type	COB (0408)
Pixel Pitch [mm]	0.9
Brightness (max.) [cd/m²]	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 per m²	1108033
Number of Pixel per module [dot]	640 x 360
Number of Pixel per card [dot]	160 x 180

**Electrical**

Power Consumption typ. [W]	135 per m² (normal use)
Power Consumption max. [W]	289 per m²

**Environmental Conditions**

Operating Temperature [°C]	-20 to 40
Operating Humidity [%]	10 to 80

**Mechanical**

Dimensions (W x H x D)	608 x 342 x 48.5
[mm] per module	
Weight [kg]	7

**Additional Features**

Special Characteristics	Single Data Receiving Cards; Single Power Supplies
Manufacturer	NEC
Serviceability	Front Service
IP Level	IP20; IP40
Certifications	CE; ETL; FCC Class A; RoHS
Warranty	3 years
Material	Aluminum Cabinet



CE



RoHS



FCC Class A

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