

## Vibrant and colourful content visualisation

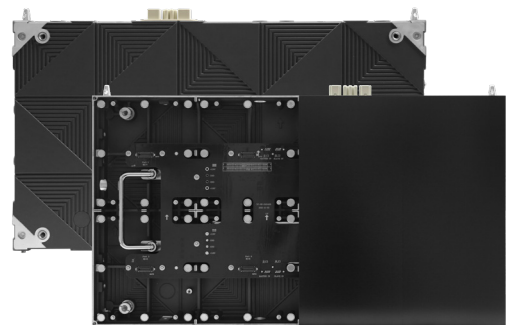
The Sharp/NEC dvLED FC Series with Chip on Board (CoB) technology impresses with high contrast, excellent durability, and superb energy efficiency.

Displaying deep blacks and extreme contrast levels of up to 20,000:1, content appears dramatically vivid for a remarkable imaging performance and the best possible viewing experience in any ambient light conditions. Sharp/NEC CoB technology is highly energy efficient, generating a brighter output at reduced power usage, consuming around 40% less power compared to standard SMD LED technology.

Purpose-designed for heavy commercial usage, using high quality components and rigorous engineering standards, Sharp/NEC LED technology is the preferred choice for security, safety and sustainability.

### Benefits:

- Extraordinarily vivid colours – high contrast ratio of 20,000:1 and deep black level
- Significantly reduced energy consumption – high energy efficiency supports sustainability targets and lower operating costs
- Established mechanical cabinet design – precision module alignment achieves a single large surface perception
- Excellent visual performance – unseen colour reproduction with excellent off angle performance
- Flexible installation – wall mounted or free standing, with front serviceable design
- Secure and sustainable investment – robust and reliable with high serviceability for long-lasting performance



## Stunning Visuals in a Durable Package Design

The direct view LED FC Series uses the latest flip-chip CoB technology to deliver stunning image performance with a state-of-the-art level of quality while significantly increasing energy efficiency to reduce operating costs over its lifetime.

The durability, high contrast ratio, and brightness of the FC Series make it a great fit for a wide range of demanding applications in transportation, museums, meeting spaces and many more.

	LED-FC009i	LED-FC012i	LED-FC015i
<b>Order Code</b>	81000376	81000378	81000380
<b>Pixel Configuration</b>	3-in-1 COB	3-in-1 COB	3-in-1 COB
<b>LED Type</b>	COB (0408)	COB (0408)	COB (0408)
<b>Resolution per m2</b>	1108033	623269	398892
<b>Number of Pixel per module [dot]</b>	230400	129600	82944
<b>Number of Pixel per card [dot]</b>	28800	16200	10368
<b>Pixel Pitch [mm]</b>	0.95	1.267	1.583
<b>Brightness (max.) [cd/m<sup>2</sup>]</b>	800	800	800
<b>Lifetime</b>	100000 hours	100000 hours	100000 hours
<b>Contrast Ratio (typ.)</b>	20.000:1	20.000:1	20.000:1
<b>Viewing Angle [°] hor / ver</b>	160 /150	160 /160	160 /160
<b>Colour Processing</b>	16 bit	16 bit	16 bit
<b>LED Driving Method</b>	1/36 dynamic scan	1/45 dynamic scan	1/36 dynamic scan
<b>Refresh Rate [Hz]</b>	3840	3840	3840
<b>Colour Temperature [K]</b>	3000-9500	3000-9500	3000-9500
<b>Power Typical [W] m<sup>2</sup></b>	135	192	173
<b>Power Maximum [W] m<sup>2</sup></b>	289	337	313
<b>Dimensions (W x H x D) [mm]</b>	608 x 342 x 48,5	608 x 342 x 48,5	608 x 342 x 48,5
<b>Weight [kg] Module</b>	7	7	7
<b>Serviceability</b>	Front	Front	Front
<b>IP Level (Front/Rear)</b>	IP40 / IP20	IP40 / IP20	IP40 / IP20
<b>Certifications</b>	CE, ETL, FCC Class A, RoHS		
<b>Warranty</b>	3 years (options to extend)		
<b>Available Standard Resolution Sizes</b>	165" UHD	110" FHD, 220" UHD	137" FHD

## Efficient Power Management

Sharp/NEC's Remote Power Switch, the LED-RPS-CL-R, is designed to switch LED screens and to eliminate standby power loss. The integrated inrush current limiter can handle up to thirty LED modules connected to one supply line. Two control interfaces are available, the control input which can be connected to a potential-free contact (switch or actuator), and the serial interface (RS485) with extended features.

Additional LED-RPS-CL-R units can be cascaded if one power feed is not sufficient to supply the entire LED screen. The next LED-RPS-CL-R unit will switch on after a predefined delay.

The housing can be snapped onto symmetrical DIN rails according to EN60715. The LED-RPS-CL-R is made in Germany using the highest quality components.



LED-RPS-CL-R

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