

SHARP

LD-EC091 | LD-EC121

LD-EC151 | LD-EC181

EC Series Indoor COB dvLED



Direct View LED – Future-Proof Visuals with Unmatched Efficiency

The Bottom Line

The Sharp EC Series is engineered to solve the dual challenge of high-impact communication and cost management, offering a 60% reduction in power consumption and a 50% faster deployment time to ensure your project stays on schedule and under budget.

Cutting-Edge Innovation

The EC Series utilizes Flip-Chip COB (Chip-on-Board) technology, a significant leap over traditional SMD displays. This provides a more rugged, durable surface and superior thermal management, which translates to a longer lifespan and consistent brightness for your space.

Benefits

Up to 50% faster installation with a streamlined cabinet design that reduces complexity for integrators.

Enhanced durability and image quality powered by advanced Chip-on-Board (COB) technology.

Up to 60% lower power consumption compared to standard SMD displays—reducing long-term energy and operating costs.

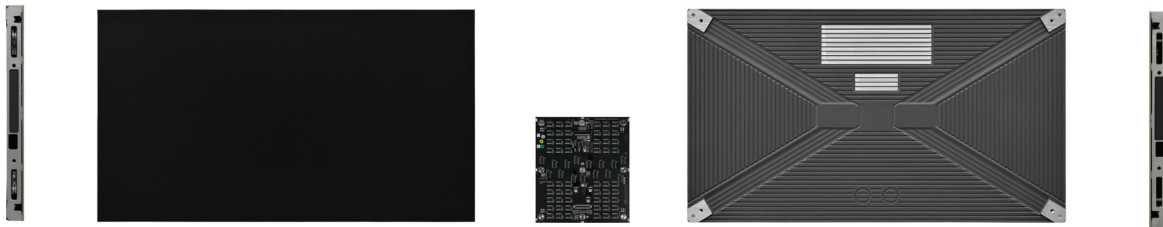
High visual performance allows you to achieve cinematic quality with contrast ratios up to 10,000:1 and a wide color gamut, ensuring your content remains vivid and professional across all four pixel pitch options (0.9mm to 1.8mm).

Full-lifecycle support means Sharp manages the entire project journey, from custom planning and design to installation and post-launch maintenance, allowing your team to remain focused on core business objectives.

Virtually any environment, including retail, education, corporate, public spaces, and more.

Direct View LED Module		LD-EC091	LD-EC121	LD-EC151	LD-EC181
Display	Panel Technology	Direct View LED			
	Pixel Configuration	Flip Chip COB			
	Panel Resolution	640 x 360	480 x 270	384 x 216	320 x 180
	Aspect Ratio	16:9	16:9	16:9	16:9
	Pixel Pitch	0.94mm	1.25mm	1.56mm	1.87mm
	Brightness (typical)	600 cd/m ²			
	Contrast Ratio (typical)	8000:1	10000:1		
	Viewing Angle (typical)	80/80 horizontal / 70/70 vertical			
	Dimming Capability	256 levels			
	Color Processing	Up to 14 bit			
	Displayable Colors	4.3 Trillion			
	Color Gamut (cover Ratio)	Adobe: 98 DCI: 92			
	Refresh Rate	Up to 3840 Hz			
Lifetime (typical)	100,000 Hours*				
CONNECTIVITY	Input Terminals Digital	1x 1000BaseT RJ-45			
	External Control	RS232 / USB			
POWER CONSUMPTION (PER Cabinet)	On (typical)	42W	29 Watts		
	Max	63W	51 Watts		
	Maximum Cabinets per 120v/20a Circuit	25	40		
PHYSICAL SPECIFICATIONS	Dimensions (W x H x D)	23.6 x 13.3 x 1.1 in / 600 x 337.5 x 27.4mm			
	Diagonal	27"			
	Weight (Net)	9.5lbs / 4.3kg			
ENVIRONMENTAL CONDITIONS	Operating Temperature	-4° to 104°F / -20° to 40°C			
	Operating Humidity	10% to 80%			
	Storage Temperature	14° to 113°F / -10° to 45°C			
	Storage Humidity	10% to 85%			
LIMITED WARRANTY	IP20				
		2 years			

*Does not constitute a warranty beyond the two year limited warranty period.



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