Inspur Transparent Film Display

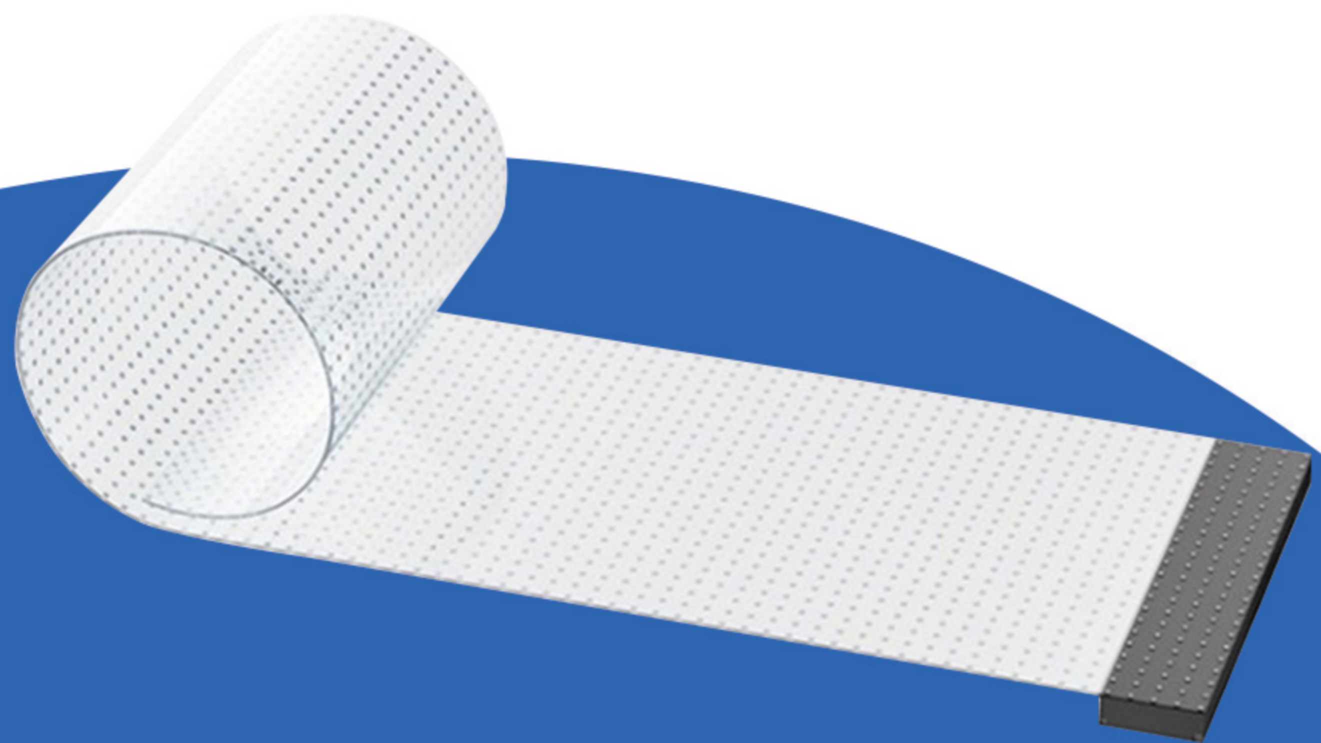
Inspur LED Transparent Film Display is an innovative display product utilizing ultra-thin flexible substrate technology. The transparent film light board employs transparent crystal film material with etched transparent mesh circuits on the surface, followed by a vacuum encapsulation process after component placement.

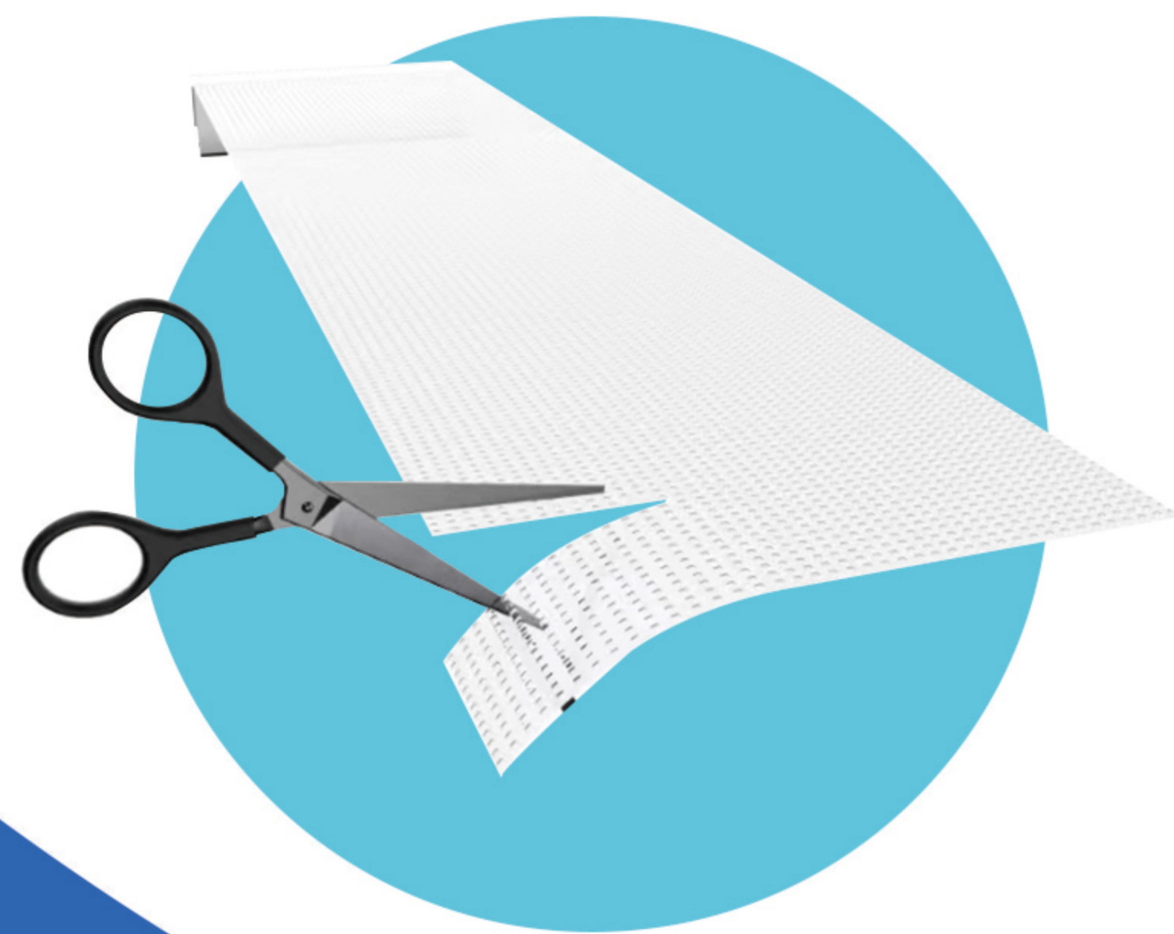
Its core innovation lies in the direct packaging of LED chips onto high-transmittance polymer film, delivering exceptional light transmission, slim profile, and strong technological aesthetic. With over 85% transmittance, it seamlessly integrates with glass curtain walls without compromising building lighting, while producing vibrant imagery with enhanced color performance for optimal visual experiences.

Widely applied in glass environments including architectural glass curtain walls, display windows, and glass railings, it is particularly suited for premium retail storefronts, automotive showrooms, and digital art installations requiring both transparency and visual impact.

Features

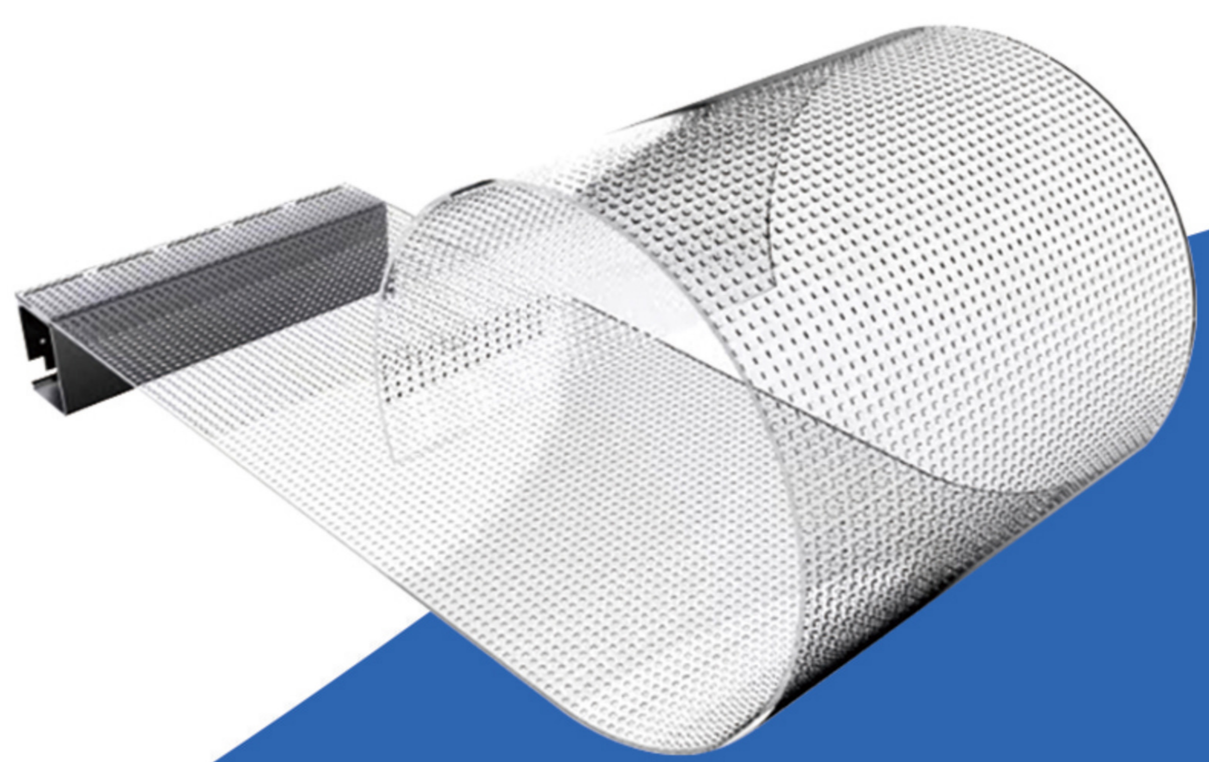
High transparency	Its excellent light transmission preserves the see-through effect of glass curtain walls, without affecting natural lighting or the original architectural design. When powered off, the display seamlessly blends into the building facade.
Curved display	Its exceptional flexibility enables bending installation on curved glass or building surfaces, facilitating custom-shaped visual presentations.
Rollable flexibility	It can be rolled up for compact storage and easily unrolled for use, much like a traditional scroll.
Fault isolation	The failure of an individual LED does not affect the operation of adjacent LEDs, thus ensuring continuous display functionality.
Invisible technology	Nano-scale LED chips are encapsulated with a transparent film that is heat-resistant, anti-static, and waterproof. This advanced encapsulation makes both the light sources and drive components imperceptible to the naked eye, eliminating the need for traditional cabinets or masks.
Customizable cutting	Dimensions and shapes can be fully customized to meet your specific project requirements.
Ultra-light & thin	It features an ultra-lightweight and ultra-thin crystal film screen, measuring only 2-3mm in thickness and weighing $\leqslant 3.5 kg/m^2$.
Simple installation	Easy peel-and-stick application followed by signal and power connections.
Wide viewing angle	160° viewing angle without blind spots due to unobstructed light emission.
Cost-effective	No steel structure required or building modification needed, reducing transportation and installation costs.

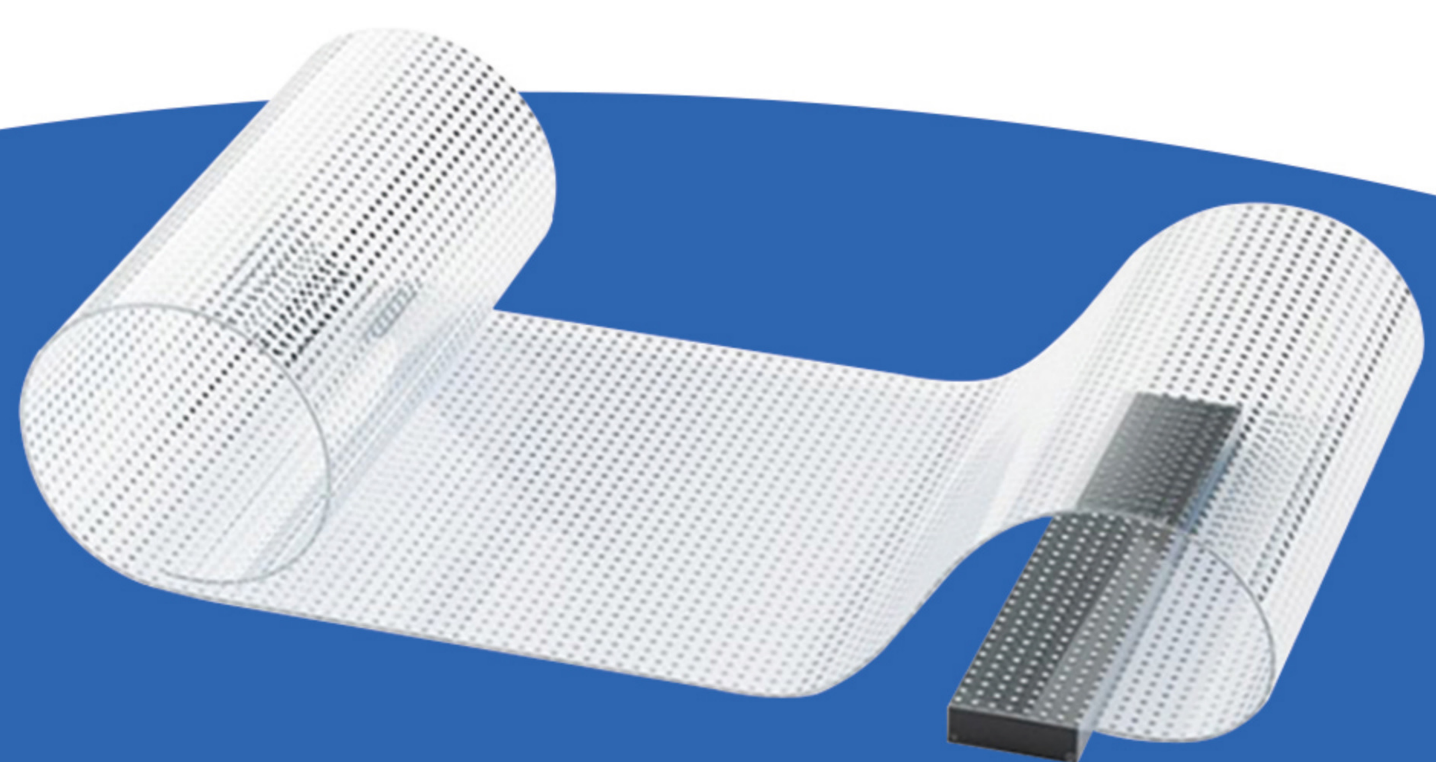




Product Parameters

Transparent Film Display					
Model	LCJM44T85	LCJM48T85	LCJM66T85	LCJM88T85	LCJM1010T90
Pixel Structure	1R1G1B				
LED Package	SMD1010 (Integrated LED-Driver)		SMD2121 (Integrated LED-Driver)		
Pixel Pitch（mm）	4×4	4×8	6×6	8×8	10×10
Module Dimensions（L×H）（mm）	1000×240				
Module Resolution（L×H）（dot）	250×60	250×30	166×40	125×30	100×24
Pixel Density（dot/m²）	62500	31250	27556	15625	10000
brightness（cd/m²）	1500	3000	3000	3500	
Transparency Rate	85%	85%	85%	85%	90%
Color Temperature（K）	3200K ~ 8500K（Adjustable）				
Zero Control Grade	0-255级				
Viewing Angle	Horizontal 140° / Vertical 140°				
Wiring Method	Internal Wiring (Clean Rear Side)				
Signal Interface Method	RJ-45				
Peak Power Consumption（W/m²）	⩽800				
Average Power Consumption（W/m²）	⩽240				
Power Supply Requirements	AC 220V±10%，50Hz				
Input Signal	DVI/VGA、Composite Video				
Frame Change Frequency（Hz）	⩾60 Hz				
Refresh Rate（Hz）	3840				
Processing Depth（bit）	16				
Screen Control Method	Synchronous Controller (Computer Control) or Asynchronous Controller (WiFi-connected Mobile APP Control, USB Drive Control)				
Screen Weight（Kg/m²）	⩽3.5				
Protection Rating	IP30				
Typical Lifespan（h）	⩾100000				
Operating Temperature/Humidity	-20°C ~ 50°C / 10% ~ 90%RH（No-Condensation）				
Storage Temperature/Humidity	-40°C ~ 80°C / 10% ~ 90%RH（No-Condensation）				
Installation Method	Indoor Surface Mounting or Fixed Installation				





Product Parameters

Transparent Film Display							
Model	LCJM44T90	LCJM55T91	LCJM66T92	LCJM88T92	LCJM1010T94	LCJM1515T94	LCJM2020T95
Model Size（mm）	240×1000	320×1000	400×1000	400×1000	400×1000	390×990	400×1000
LED Lamp	REE:1313	REE:1313	REE:1313/2121	REE:1313/2121	REE:1313/2121	REE:2121	REE:2121
Brightness（cd/m^2）	2000	2500	2000/4000	2000/4000	2000/4000	3000	3000
Pixel Configuration	R1B1G1	R1B1G1	R1B1G1	R1B1G1	R1B1G1	R1B1G1	R1B1G1
Pixel Pitch（mm）	4×4	5×5	6.25×6.25	8×8	10×10	15×15	20×20
Module Resolution （L×H） (dot)	250×60	200×64	160×64	125×50	100×40	66×26	50×20
Pixel Density（dot/m^2）	62500	40000	25600	15625	10000	43565	2500
Transparency Rate	90%	91%	92%	92%	94%	94%	95%
Weight (Kg)	1	1.3	1.3	1.3	1.3	1.3	1.3
Viewing Angle	160°						
Input Voltage	AC 100~240V，50/60Hz						
Peak Power Consumption（W/m^2）	600						
Average Power Consumption（W/m^2）	200						
Thickness（mm）	2.0						
Drive Method	Static						
Control System	Nova/Linsn						
LED Lifespan（h）	100000						
Grayscale Level（bit）	16						
Refresh Rate（Hz）	3840						
Operating Temperature/Humidity	-20°C ~ 55°C / 10% ~ 90%RH（No-Condensation）						

Application Scenarios


car showroom


Glass display window


Glass curtain wall


Retail Showcase

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Scan the QR code for more details