

Product Specification Sheet

Product Series: LED Holographic Phantom Screen

Product Model: LCHP***-I/D

Document Revision History

No	Revision No.	Change Status	Description of Changes (+/-)	Approved By	Date
1	V1.0	C	Creation	Joyce Dong	2025.11.11
2	V1.1	M	Modified product parameter information.	Joyce Dong	2026.01.28
3	V1.1	M	Modification	Gloria	2026.06.08
4	V1.1	M	Modification	Lynn	2026.06.09

*Note on Change Status: C——Creation, A——Addition, M——Modification, D——Deletion

Disclaimer: This document outlines the technical parameters for the standard model within this series. The actual product specifications may vary based on the configuration specified in the sales contract. The images provided are for illustrative purposes only, the actual product may differ.

This document provides the technical specifications and images for the standard model, serving merely as a reference. The actual terms and details shall be governed by the contract.

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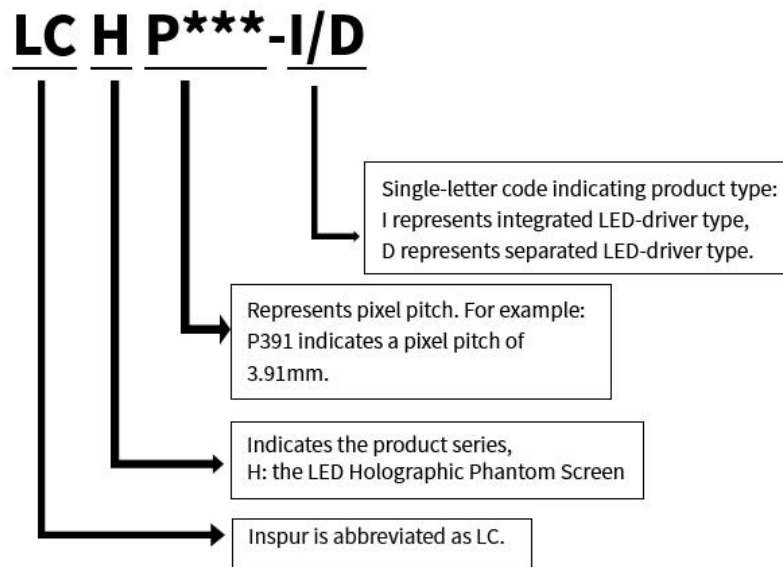
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1. Scope of Application

This technical manual applies exclusively to the following models of the LAC Vision LED Holographic Phantom Screen series: LCHP250-I, LCHP391-I, LCHP625-I, LCHP1040-I and LCHP390-D. The specifications provided below correspond to standard product configurations. Customization is available for specific requirements.

2. Naming Rules



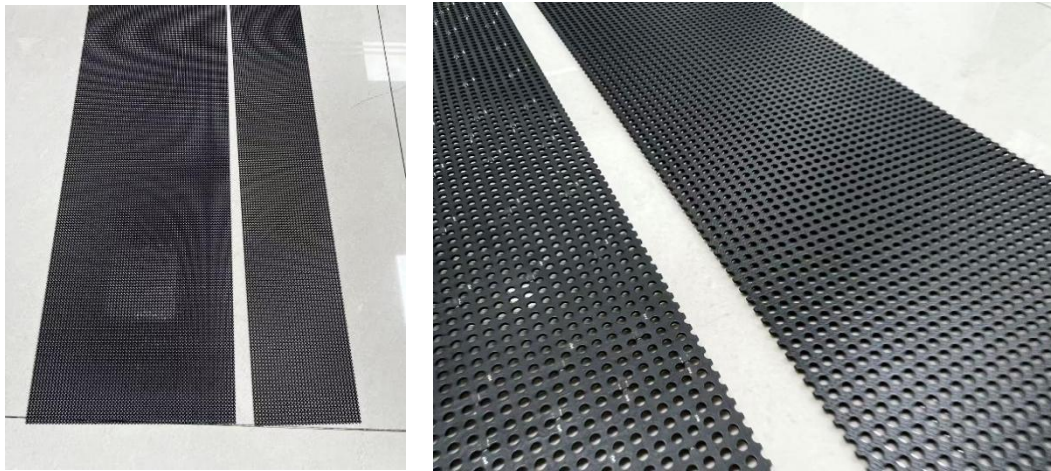
Example: LCHP391-I an LAC Vision LED Holographic Phantom Screen series product with integrated LED-driver design, featuring a pixel pitch of 3.91mm.

3. Product Introduction

The LED Holographic Phantom Screen not only incorporates all the advantages of conventional outdoor high-definition LED displays but also minimizes urban aesthetic concerns. Since it is mostly installed behind glass curtain walls, it does not impact the surrounding environment even during daytime non-operational hours. Furthermore, adopting a novel format of indoor advertising with outdoor visibility, it effectively bypasses the complexities of outdoor advertising approval processes. This

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product is available in two series: integrated LED-driver and separated LED-driver configurations.



(Note: The left image shows the front view, the right image shows the rear view. In each image, the left side depicts the separated LED-driver type, and the right side depicts the integrated LED-driver type.)

3.1 Product Features

- **Glass Wall Mounting:** Advertising images can be suspended on glass curtain walls, delivering excellent advertising and artistic effects.
- **High Transparency:** Visual transparency up to 70%-95%, without affecting indoor lighting or building aesthetics.
- **Lightweight & Space-Saving:** Directly fixed to glass walls without altering the original building structure.
- **Cost-Effective Installation:** No traditional steel structure required, enabling fast and safe indoor

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maintenance while significantly reducing installation and long-term upkeep costs.

- **Energy Efficient:** No additional AC or cooling systems needed, utilizing natural heat dissipation to save over 30% energy compared to conventional LED displays.
- **Flexible Application:** Can be bent or attached to curved building curtain walls, adapting to diverse architectural environments.
- **Customizable Pixels:** Individual pixels can be freely trimmed to match various glass dimensions without redesigning screen circuits.

4. Product Parameters

LED Holographic Phantom Screen- the Integrated LED-Driver Configuration				
Product Model	LCH250-I	LCHP390-I	LCHP625-I	LCH0P1040-I
Lamp Model	SMD1515	SMD2121/1717	SMD2121	SMD2121
Density (dot/m ²)	16000	65410	25600	9216
Module Size (W×H) (mm)	125×1500	125×1500、 250×1500	200×1500、 250×1500	250×1500
Weight (KG/m ²)	<5	<3.5	<3.5	<3.5
Transparency (%)	55	70	80	90
Brightness (cd/m ²)	1500-4000	1500-4000	1500-4000	1500-4000
Maximum Power (W/m ²)	700	800	600	600
Average Power (W/m ²)	210	300	180	180
Operating Voltage(V)	DC 5V			
Grayscale Level (bit)	12~16			
Protection Rating	IP30			
Viewing Angle	Horizontal ≥140°, Vertical ≥140°			
Input Voltage(V)	AC95V~240V			
Operating Temperature	-20~65°C			
Operating Humidity	10%~90%RH			
Lifetime (h)	100000			
Scan Mode	Static			

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Screen Composition	Hollowed-out PCB board
Installation Method	Surface Mounting, Suspension Mounting, Fixed Installation, Supports custom cutting and bending to any size
Maintenance Method	Front/Rear Maintenance.

LED Holographic Phantom Screen- the Separated LED-Driver Configuration	
Product number	LCHP390-D
Pixel Pitch (W×H)(mm)	3.9×3.9
LED Lamp	SMD1921, 1R1G1B
Pixel Density (dot/m ²)	65536
Maximum Power (w/m ²)	800
Average Power (w/m ²)	260
Display Luminance (cd)	1500-4000
Scan Count	8S
Visual Transparency	75%
Refresh Rate(Hz)	3840
Module Size (W×H)	1500×250
Module Resolution	386×64
Cabinet Material	Aluminum power housing
Cabinet Color	Black
Grayscale Level (bit)	16
Weight (KG/m ²)	Approx. 5
Viewing Angle	140°(H)/140°(V)
Input Voltage	100-240V / 200-240V
Operating Voltage	AC 5V
Temperature(°C)	-10~40
Humidity(RH)	10%~90%
Lifetime	Theoretical 50,000~100,000 hours
Protection Rating	IP20
Installation Method	Surface mounting, customized per application environment

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5. Application Scenarios



Note:

The above parameters represent typical values for the product. Variations may occur across different production batches, and the actual parameters of the product shall be subject to the factory inspection report.

During the product manufacturing process, continuous optimization and iteration are carried out, and the product specifications may be adjusted at any time. Please consult with regional agents before making a purchase.

For customized products, a new specification sheet needs to be issued.

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