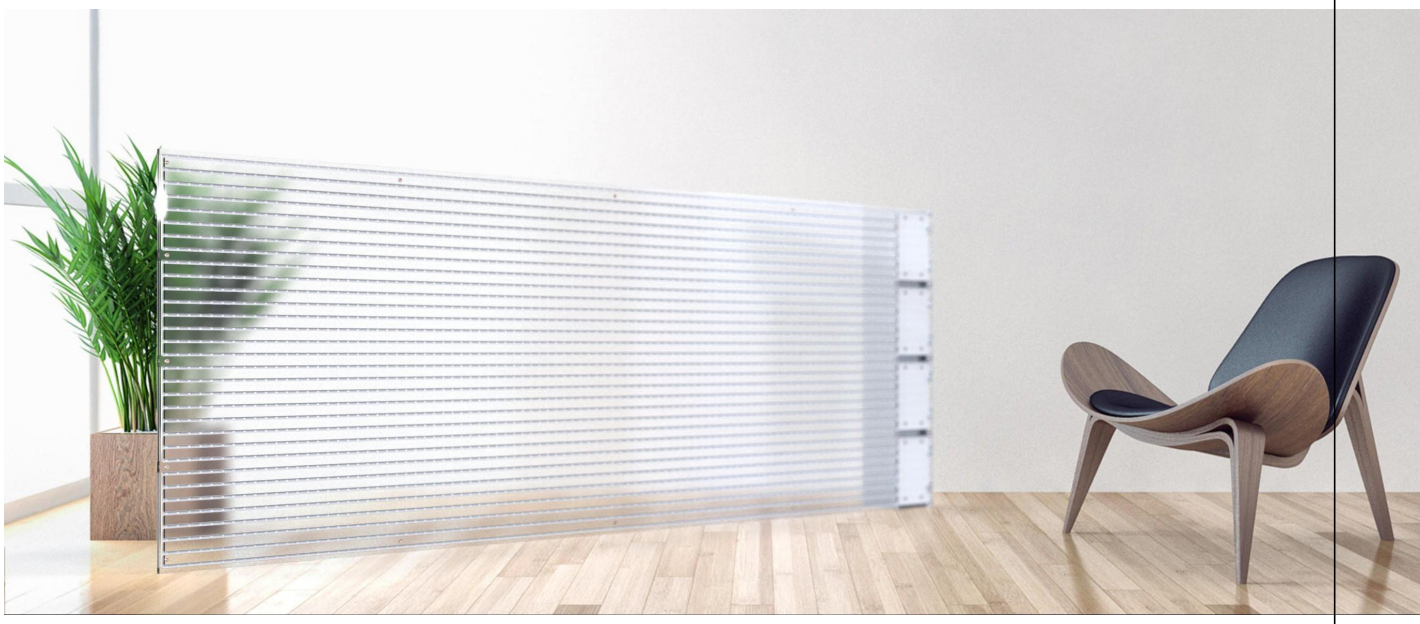
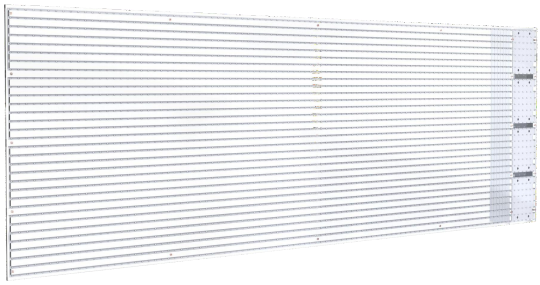
PRODUCT SPECIFICATION

Self-sticking Transparent LED Film Screen for Glass



Version NO：V3

Release Date：2021-05-28



Production Introduction:

The LED film screen adopts a modular design, which has the characteristics of transparent display, ultra-thin, ultra-transparent, fast installation, energy saving and environmental protection; it can be installed by sticking and vertical installation.

The regular standard size is 960x320mm.

Widely used in glass windows, large shopping malls, floor-to-ceiling windows, high-end exhibition halls, automotive glass, landmark buildings and other scenes.

Technical Features:

The LED film screen uses lamp beads with integrated lamp driver (Fig. 1-01), the screen body is ultra-thin (Fig. 1-02), and the permeability is extremely high.

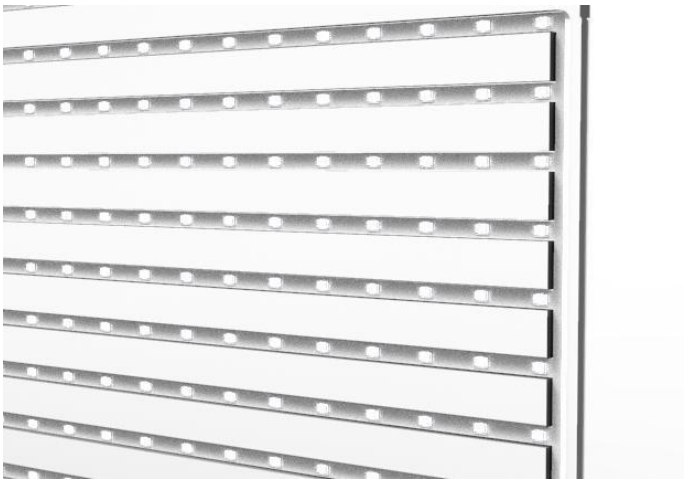


Fig. 1-01

Fig 1-03

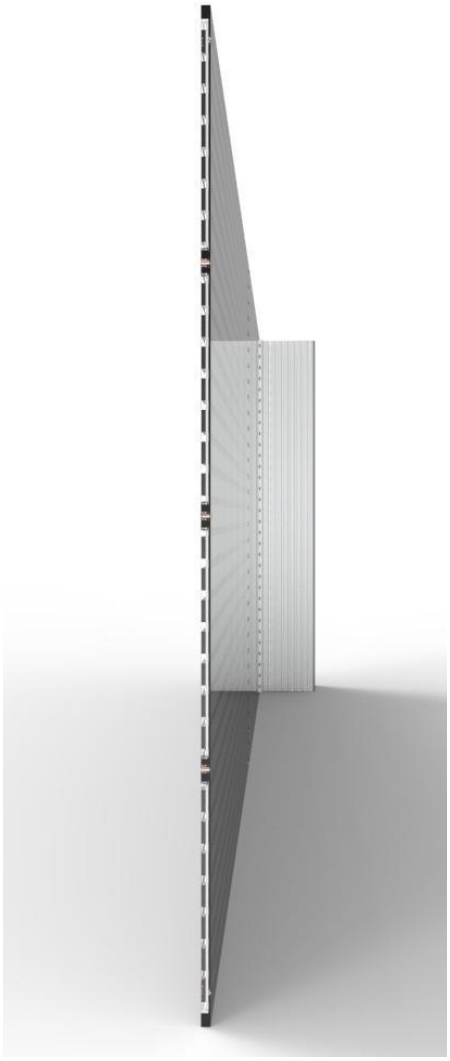
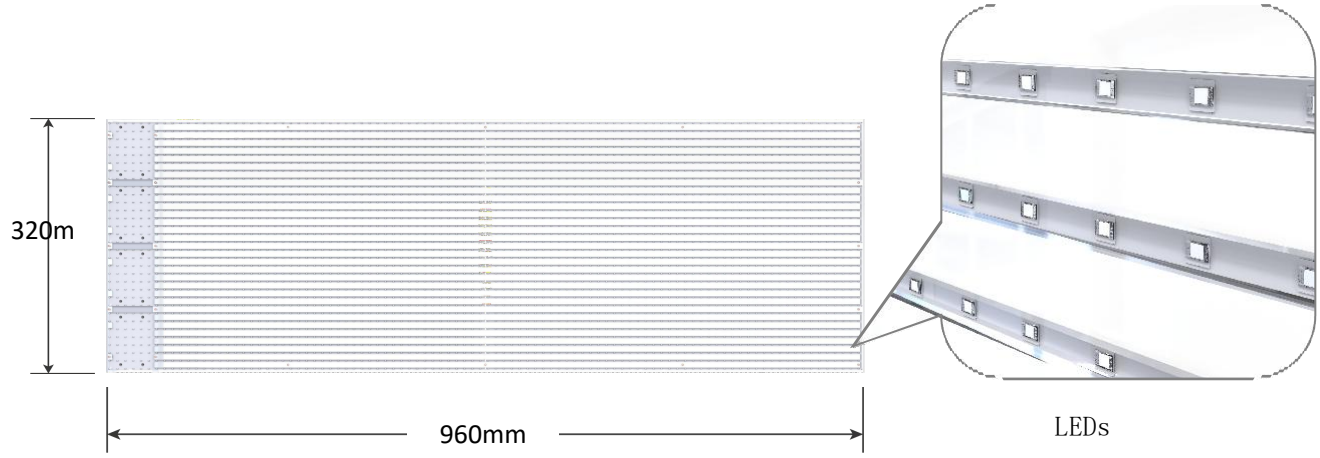
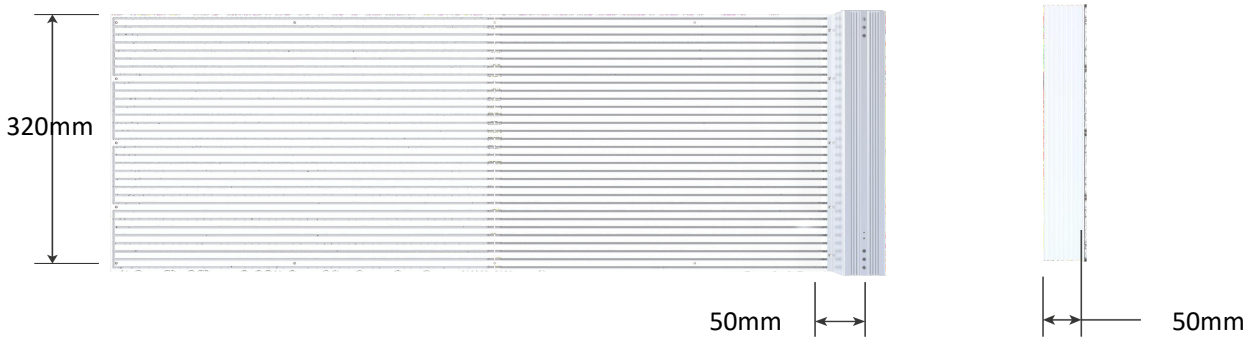


Fig 1-02

Product Dimension:





Product Parameters:

Model	P2.5	P4	P5	P6	P6.5	P8	P10	P16	P20
Pixel pitch	2.5-5mm	4mm-8mm	5mm-10mm	6mm-6mm	6.5mm-6.5mm	8mm-8mm	10mm-10mm	16mm	20mm
Module size	480mm*160mm	480mm*256mm	480mm*320mm	480mm*192mm	481*208	480*256	480*320	480*256	480*320
Module Resolution	192*32	120*32	96*32	80*32	74*32	60*32	48*32	30*16	24*16
Pixel density	80000px/㎡	31250px/㎡	20000px/㎡	27777px/㎡	23670PX/㎡	15625 ㎡	10000px/㎡	3906px/㎡	2500px/㎡
Color	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Optimal viewing distance	3-80m	5 ~ 100m	8 ~ 100m	8 ~ 100m	10-100m	12-100m	15 ~ 120m	25 ~ 150m	30 ~ 150m
Transparency	≤55%	≤65%	≤68%	≤50%	≤55%	≤60%	≤70%	≤80%	≤85%
Weight	3.5KG/㎡	3.5KG/㎡	3.5KG/㎡	3.5KG/㎡	3.5KG/㎡	3.5KG/㎡	3.5KG/㎡	3.5KG/㎡	3.5KG/㎡
Viewing Angle	160°	160°	160°	160°	160°	160°	160°	160°	160°
Module Thickness	≤3mm	≤3mm	≤3mm	≤3mm	≤3mm	≤3mm	≤3mm	≤3mm	≤3mm
Module Voltage(V)	3.8-5	3.8-5	3.8-5	3.8-5	3.8-5	3.8-5	3.8-5	3.8-5	3.8-5
Average Power	≤300w/㎡	≤300w/㎡	≤300w/㎡	≤300w/㎡	≤300w/㎡	≤300w/㎡	≤300w/㎡	≤300w/㎡	≤300w/㎡
power									
Max Power Consumption	≤800w/㎡	≤800w/㎡	≤800w/㎡	≤800w/㎡	≤800w/㎡	≤800w/㎡	≤800w/㎡	≤800w/㎡	≤800w/㎡
Refresh rate	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz	≥1920Hz
Brightness	≤5000w/㎡	≤5000w/㎡	≤5000w/㎡	≤5000w/㎡	≤5000w/㎡	≤5000w/㎡	≤5000w/㎡	≤5000w/㎡	≤4000w/㎡
Working Temp. (℃)	-20℃-55℃	-20℃-55℃	-20℃-55℃	-20℃-55℃	-20℃-55℃	-20℃-55℃	-20℃-55℃	-20℃-55℃	-20℃-55℃
Storage Temp. (℃)	-25℃-90℃	-25℃-90℃	-25℃-90℃	-25℃-90℃	-25℃-90℃	-25℃-90℃	-25℃-90℃	-25℃-90℃	-25℃-90℃
Working Humidty (RH)	10%-90%	10%-90%	10%-90%	10%-90%	10%-90%	10%-90%	10%-90%	10%-90%	10%-90%
Storage Humidty (RH)	20%-90%	20%-90%	20%-90%	20%-90%	20%-90%	20%-90%	20%-90%	20%-90%	20%-90%
Drving	Static	Static	Static	Static	Static	Static	Static	Static	Static
MTF	≥6500	≥6500	≥6500	≥6500	≥6500	≥6500	≥6500	≥6500	≥6500

Technical standard

1. Appearance requirements:

1-1. The appearance of the profile is bright, intact without scratches; the lamp beads are evenly distributed, and there are no shaking parts or falling off during assembly.

1-2. The structural size error is not more than ±1mm.

2. Test environment and basic parameters:

2-1. Working environment temperature: -20℃~50℃

2-2. Ambient relative humidity: L 90%RH

2-3. Working voltage: 220±5% / 170±5%

2-4. Working current: DC5V

3. Image technical requirements

3-1. Bright colors, real picture, clear and natural, high color reproduction.

3-2. The maximum resolution of video resolution: 1920x1080.

3-3. The brightness of each lamp bead is uniform, and there is no dead lamp and bump.

3-4. The imaging is clear and smooth, with distinct layers, stable image quality and no flickering phenomenon.

Fourth, aging requirements

4-1. Red, green, blue solid color detection, no color cast, no flickering.

4-2. The normal playback video is not less than 48 hours, and there is no adverse phenomenon.

5. Testing equipment

Pantone standard color card, grayscale comprehensive test chart, digital multimeter with an accuracy of ±0.5%, vernier caliper with an accuracy of ±0.02mm, inspection tooling, high and low temperature humidity and heat test box, light brightness detector.