ALF Series

Adhensive Led Film

| Concentration | Quality | Integrity

Shenzhen KMTEKELD Photoelectricity Co.,Ltd

Talents come from diligence,
and knowledge is gained by accumulation.

CONTENTS

CONTENTS

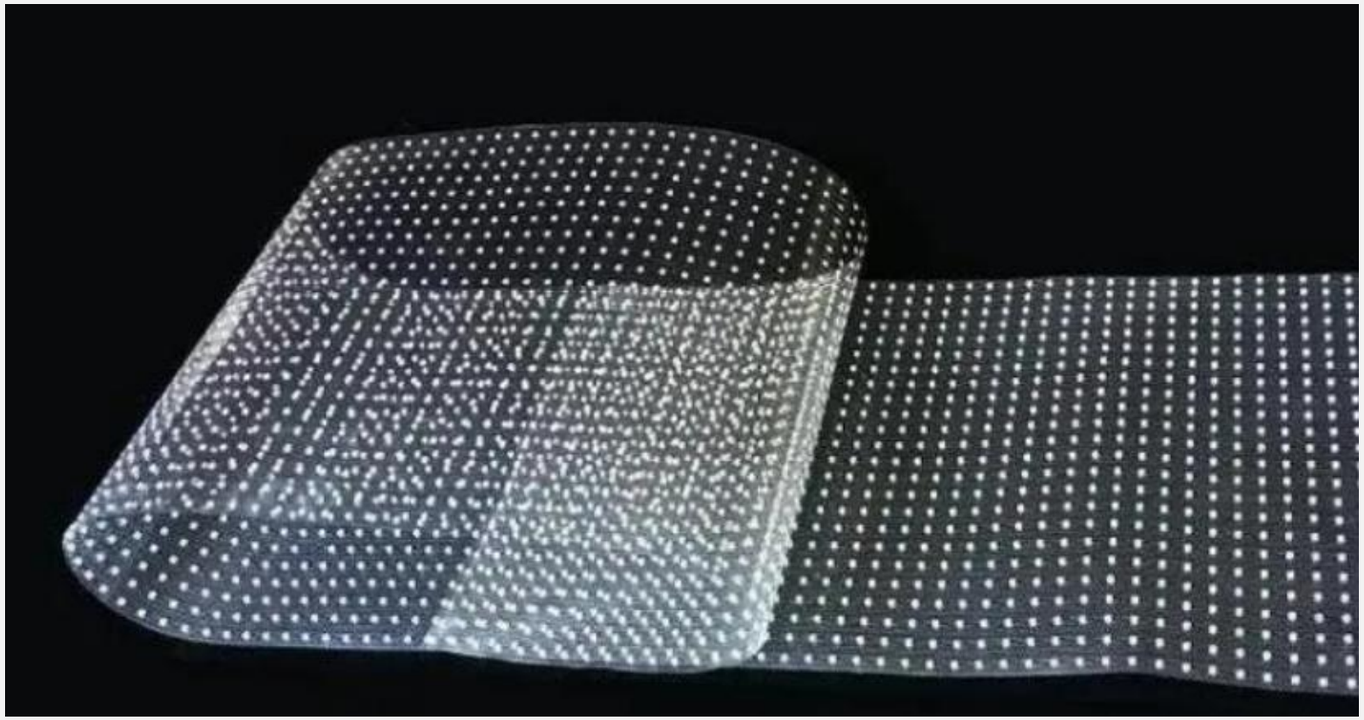
01 Introduction

02 Parameters

03 Application

04 Project

ALF Series



01

CONTENTS

Adhensive LED Film

LED thin film screen

Crystal film screen (also known as flexible LED transparent display or soft LED transparent display) is mainly composed of ultra-low resistance ultra-thin circuit boards, multi-channel built-in driver IC wicks and optical-grade packaging materials. It is a new type of excellent medium. Platform/advertising carrier. Compared with traditional LED screens and transparent displays, it is softer, more transparent, lighter, and has a wider range of applications.

It has the characteristics of high light transmittance (the transmittance can reach more than 98%), light and thin attachment, strong flexibility, energy saving and environmental protection, and easy installation. It can be rolled up arbitrarily, and can be used as creative LED displays such as curved screens, wave screens, and cylindrical screens. It supports dynamic video, picture and text display and other multimedia display forms to perfectly realize your imagination.

Flexible OR Rigid

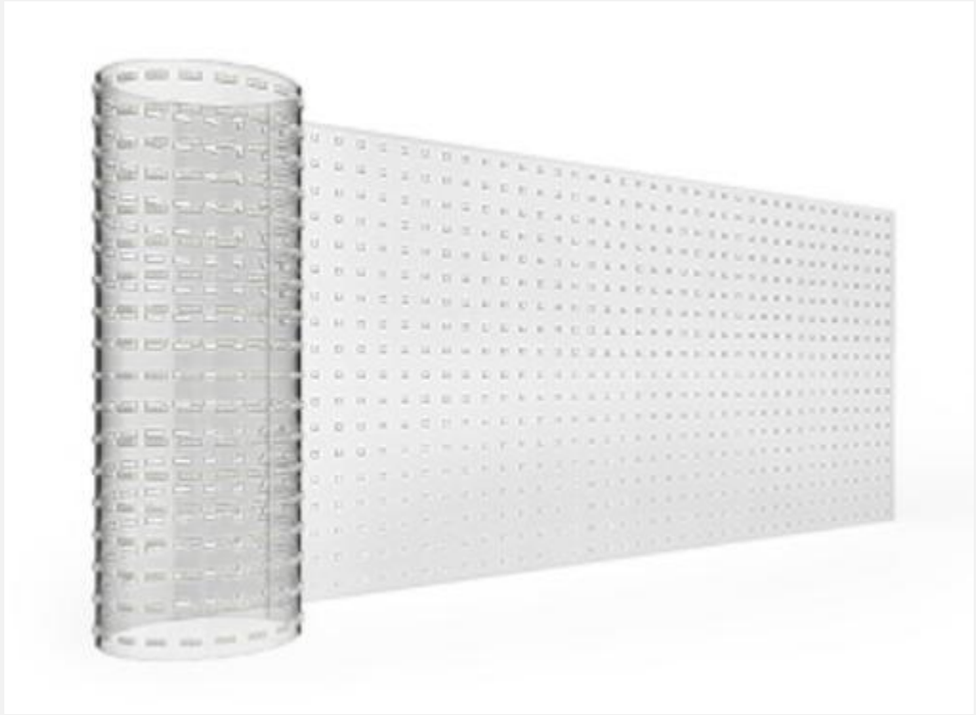
Features&Advantages

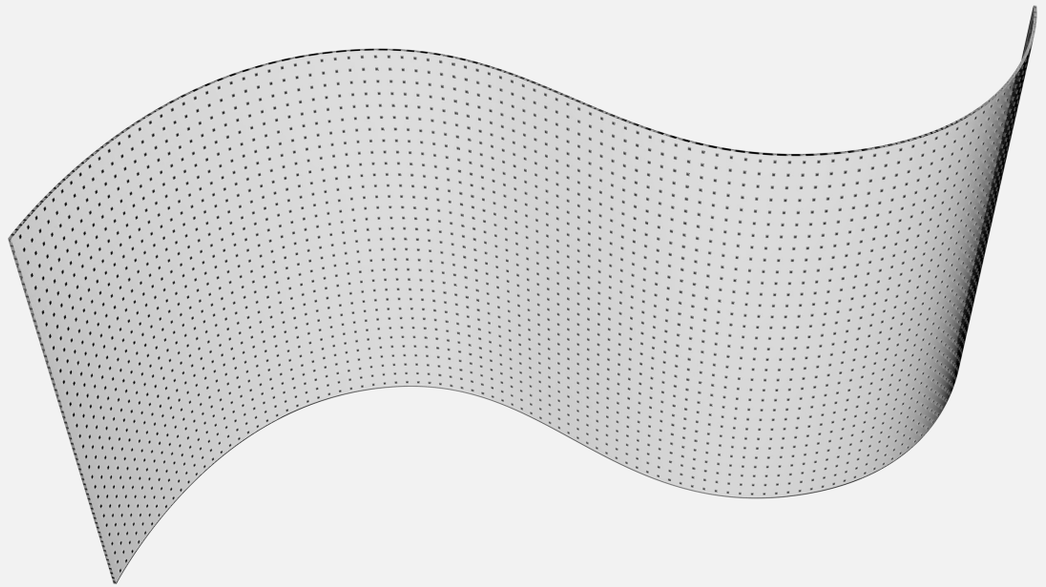
1. High Trainsparent
More than 95% Transparent,Almost invisible for PCB at 1~3meters distance. Good Daylighting&Led Film Landscape Consistency
2.Energy saving
Super Heat Dissipation,Improve efficiency,Lower failure ratio, Longer Lifetime。
3.High Flexibility
High flexibility, adhensive to any arc irregular shape,Static bending Curvature reach 5cm
4.Invisible
Micron light-emitting Chip adoptive.Perfect Clear and Transparent.
5.Perfect Look
High refresh, High grayscale,High Colorful,Adjustable brightness, acheive comfortable Viewer effect.。
6.Wider view angle
Horizontal and vertical both 160 degree view angle, Seamless,Uniform colors,Perfect Bi-side view effect.。
7.Thin,light,adhensive
Less 2mm thick,Light weighter 0.5-1.2kg/sqm,No need Steel Structure,Effectively Reducing Transport&InstallCost.
8.Easy Install
Just stick screen lightly,and connect signal and power.Effectively Save Install and Maintenance Cost.。
9.Customized Size
Client project customized , seamless splicing,invisible install, integration with Glass Completely.

Features and product advantages of LED crystal film screen

It has the characteristics of high light transmittance, light and thin attachment, energy saving and environmental protection, strong flexibility, and easy installation, and supports customization of large-size and special-shaped displays. It supports dynamic video, picture and text display and other multimedia presentation forms to perfectly realize your imagination.

Photos



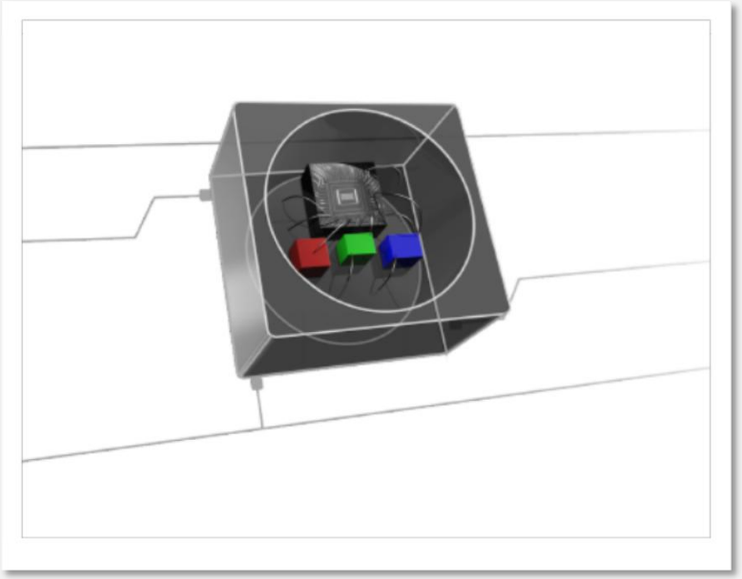


Soft&Flexible

Transparent

Slim&Light

Patent, Technology



Self-developed embedded driver IC

Real 16-bit gray scale

Breakpoint resume function

Embedded design of driver IC, light driver integrated, each LED light is a "power source",

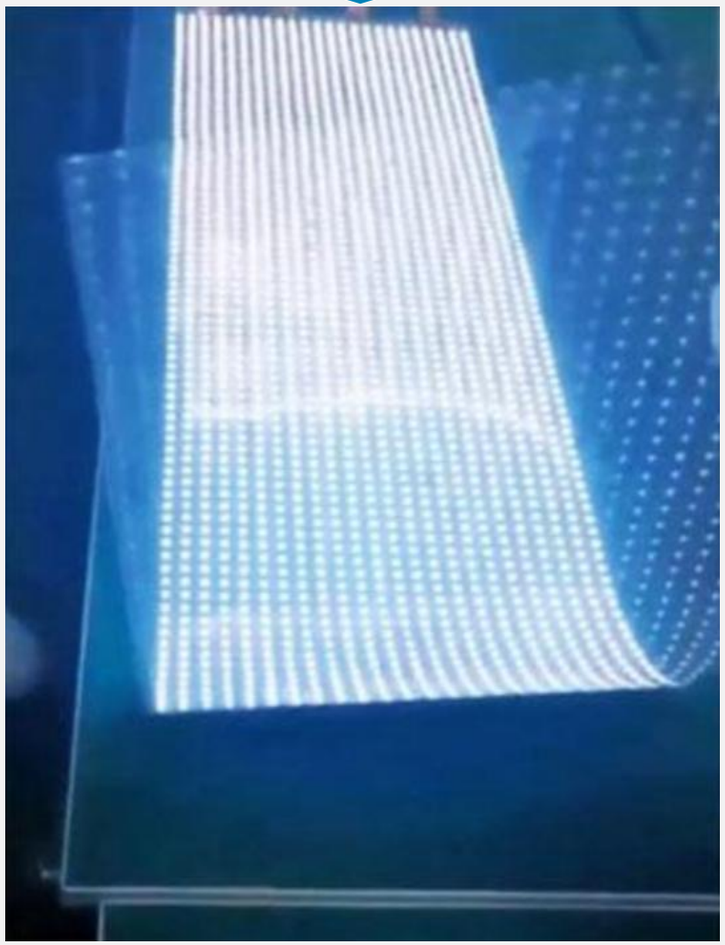
Let the wiring be more free, the heat dissipation is more uniform, and the control is more precise! The light-emitting chip adopts

Micron-level light source, with transparency, high temperature resistance, anti-static, dust-proof, moisture-proof,

The driver chip is invisible to the naked eye

02

CONTENTS



Avaiable Model

Screen parameters

- P5
- P6
- P8
- P10

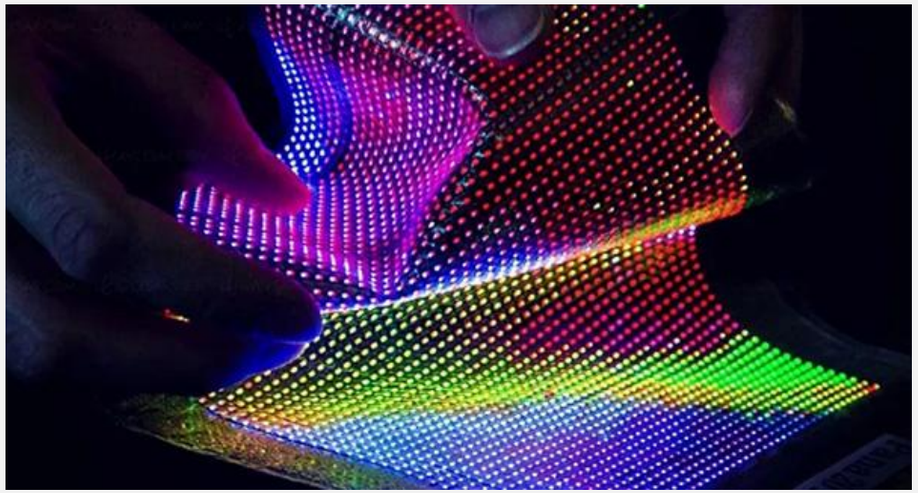
Adhensive Led Film Parameters

Model	P5	P6	P8	P10
Pixel Pitch（mm）	5	6	8	10
Composition	Built-in IC-LED-1R1G1B			
Density（dot/㎡）	40000	27777	15625	10000
Module Size（mm）	960*320	960*384	960*320	960*320
Module Resolution	192*48	160*64	120*40	96*32
NW (kg/㎡)	3.2kg/㎡			
Transparent Ratio	80%	82%	85%	85%
Brightness(cd/㎡)	2000-5000CD/㎡ Adjustable			
Refresh(Hz)	Static without flicking			
Max Power(W/㎡)	800	800	800	700
Ave Power (W/㎡)	400	400	400	350
Working Voltage	DC5V	DC5V	DC5V	DC5V
IP Grade	IP65~IP68			
View Angel	Horizontal :140°， Vertical:140°			
Input Voltage	AC100V~240V			
Working Temperture	-20°C~55°C			
Working Humidity	10~90%RH			
Lifetime	100,000 Hours			

03

CONTENTS

Application



Project

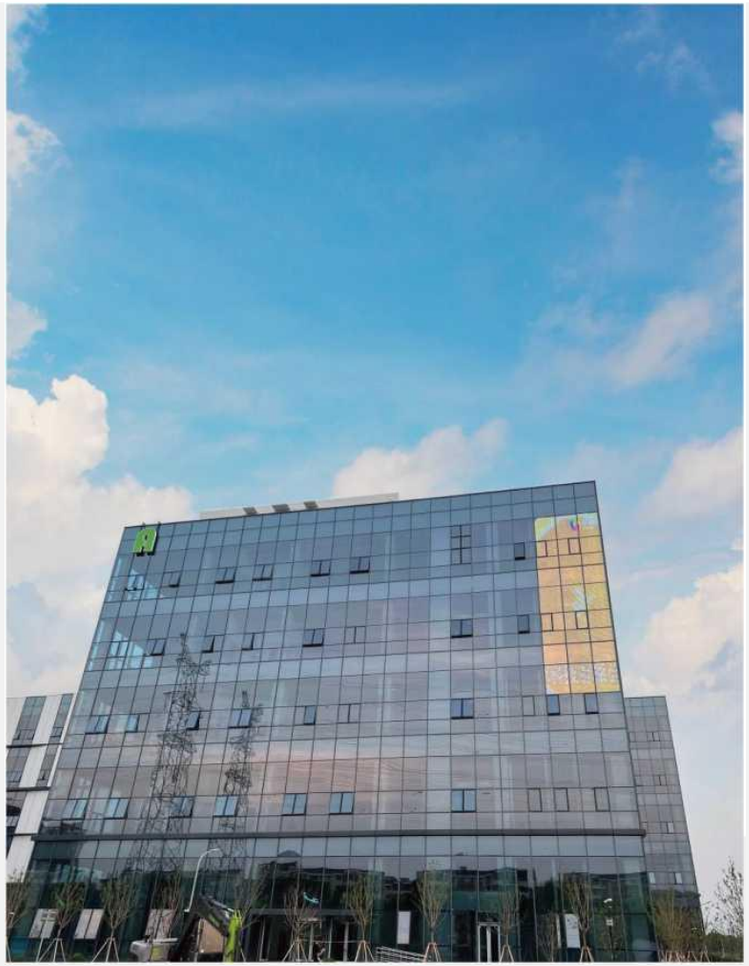
Cases

4

CONTENTS

Adhensive Led Film Project

P10 , 570m^2



P30 450m^2

Adhensive Led Film Project

P5 Size：9.5㎡

P5 6.5㎡
P10 20㎡