Parameters

Ab5en
Trusted LED Supplier

	KL1.2	KL1.5	KL1.8	KL2	KL2.5	KL3
LED Type	Black SMD1010	Black SMD1212	Black SMD1515	Black SMD1515	Black SMD2121	Black SMD2121
Pixel Pitch (mm)	1.25	1.53	1.83	2	2.5	3.07
Panel Dimensions (W*H*D) /(mm)	640x480x60	640x480x60	640x480x60	640x480x60	640x480x60	640x480x60
Panel Resolution	512x384	416x312	348x261	320x240	256x192	208x156
Panel Weight (kg)	7.8	7.8	7.8	7.8	7.8	7.8
Panel Material	Die Casting Aluminum					
Module Size (W*H)	320×160	320×160	320×160	320×160	320×160	320×160
Brightness (nit)	600	700	700	700	700	700
Refresh Rate (Hz)	1920~3840	1920~3840	1920~3840	1920~3840	1920~3840	1920~3840
Grayscale (bit)	13~14	13~14	13~14	13~14	13~14	13~14
Contrast Ratio	4000:1	4000:1	4000:1	4000:1	4000:1	4000:1
Color Temperature (K)	6500	6500	6500	6500	6500	6500
Viewing Angle (H/V) (°)	140/140	140/140	160/160	140/140	140/140	140/140
Drive Mode	1/32	1/26	1/29	1/40	1/32	1/26
AC Operating Voltage (V)	200~240	200~240	200~240	200~240	200~240	200~240
Power Consumption (Max./Avg.)(W/m²)	582/194	555/185	540/180	480/160	540/180	540/180
Storage Temperature (℃)	- 40~﹢60	- 40~﹢60	- 40~﹢60	- 40~﹢60	- 40~﹢60	- 40~﹢60
Operating Temperature (℃)	- 10~﹢40	- 10~﹢40	- 10~﹢40	- 10~﹢40	- 10~﹢40	- 10~﹢40
Storage Humidity (RH)	10％~85％	10％~85％	10％~85％	10％~85％	10％~85％	10％~85％
Operating Humidity (RH)	10％~80％	10％~80％	10％~80％	10％~80％	10％~80％	10％~80％
IP Rating (Front/Rear)	IP40/IP21	IP40/IP21	IP40/IP21	IP40/IP21	IP40/IP21	IP40/IP21
LED Lifetime (H)	100000	100000	100000	100000	100000	100000
Module Maintenance	Fully front/rear					
PSU & Other Maintenance	Fully front/rear					
Panel Installation Type	Stacking/ Wall-mounting / Hanging					

KL Series
SHINING STAR, CONSTANT QUALITY

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For All Application Scenarios of Commercial Display

· Pixel Pitch(mm) : P1.2/P1.5/P1.8/P2/P2.5/P3

Chain Store

Hotel

Commercial Real Estate

Retail & Mall

Conference Hall

House of Worship

Transportation Hub

Exhibition Center
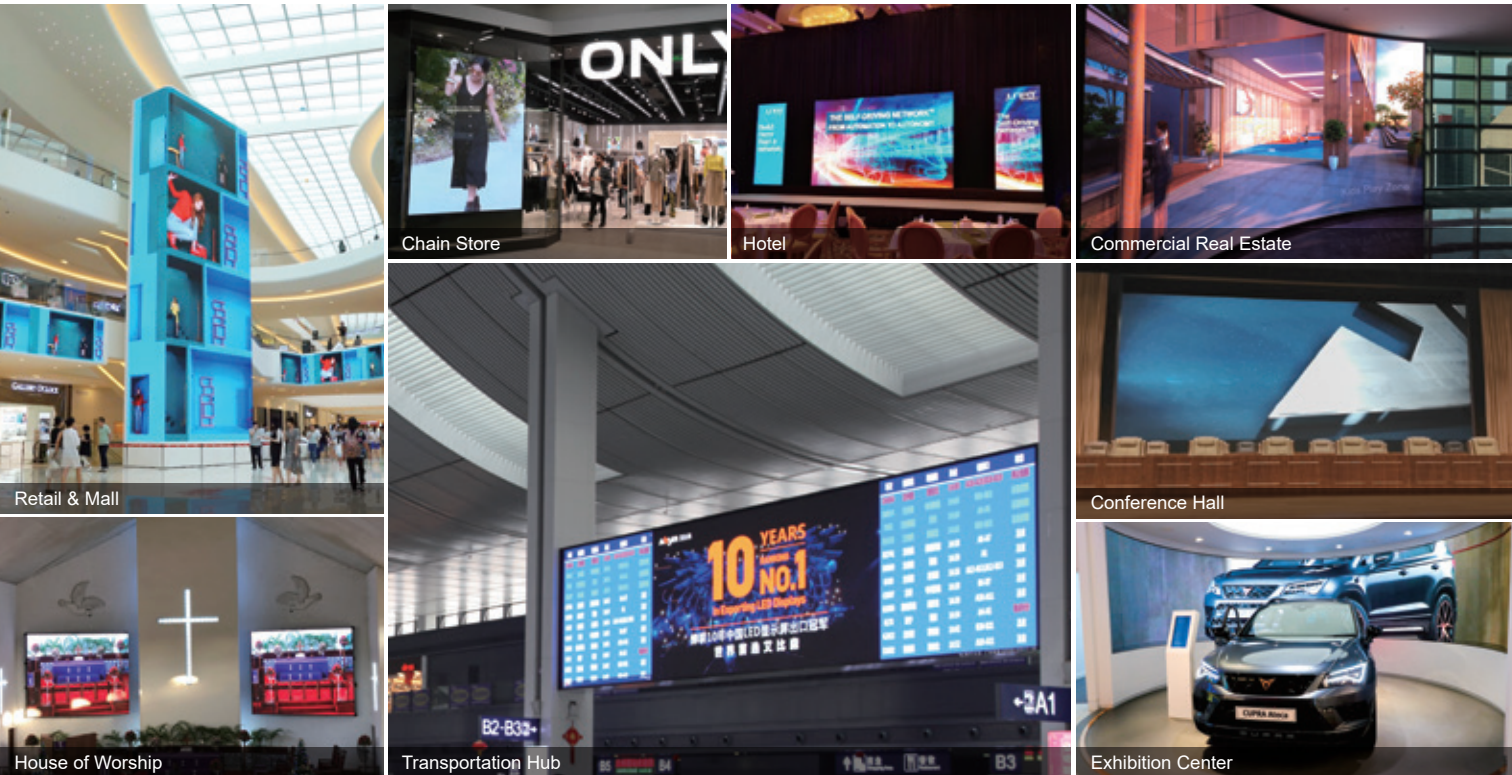
And More Application Scenarios……

640mm

480mm

60mm
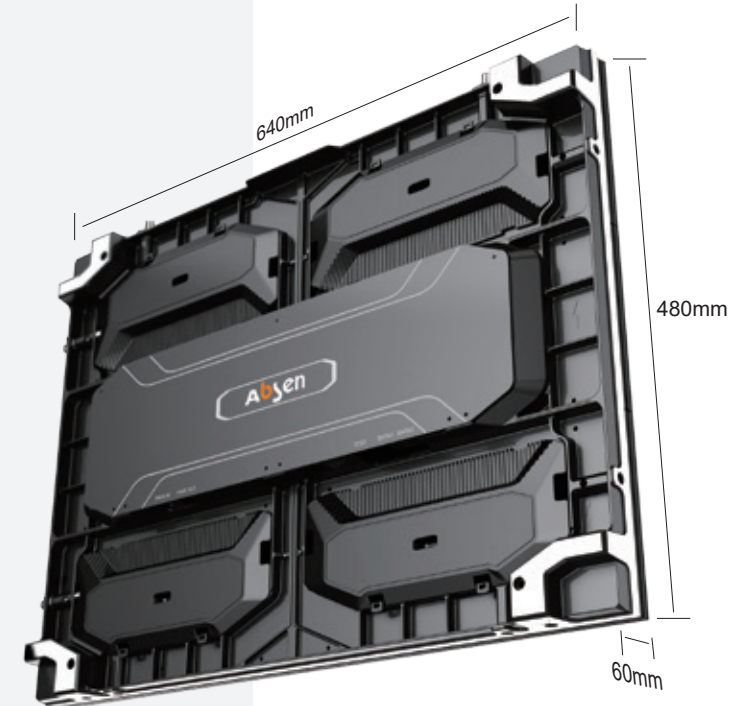
High-quality power box

High-performance receiving card

High-standard wire

Fine die-casting aluminum cabinet

Superior Quality

· Guaranteed quality with high quality power box, receiving card and other accessories
· Precision die-casting aluminum cabinet processed by CNC precision machining which results in ultra-high flatness
· Ratproof and dustproof panel with closed design

Vibrant Color for Better Vision

· Richer colors with 4000:1 high contrast
· 110% NTSC wide color gamut for better color fidelity
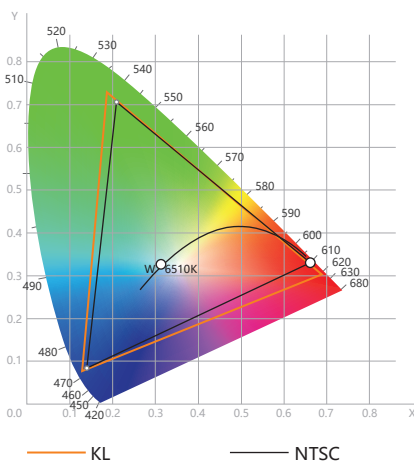
High Contrast

Wide Color Gamut

Low Contrast

Narrow Color Gamut

Y
520
530
540
0.8
510
550
0.7
560
0.6
570
0.5
580
0.4
590
600
0.3 W 6510K 610
620
490 630
680
0.2
480
0.1
470
460
0.0 450 420
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 X

———— KL   ———— NTSC

Present Attractive and Lively Dynamic Images

· Adopt PWM LED driver IC to improve visual performance

High refresh rate
Quick response to moving objects
No scan line when taking photos

High grayscale
Details still visible in the shadows

Low refresh rate
Photos taken with scan lines

Low grayscale
Details lost in the shadows

320mm

160mm

60mm

Small Panel to Meet Requirements of Any Sizes

· 320*160*60mm small panel, compatible with 640*480*60mm standard panel
  to meet requirements of any sizes

Standard Trim Pieces, Simple and Elegant

· Provide standard trim pieces solution to avoid shoddiness and save customers' time
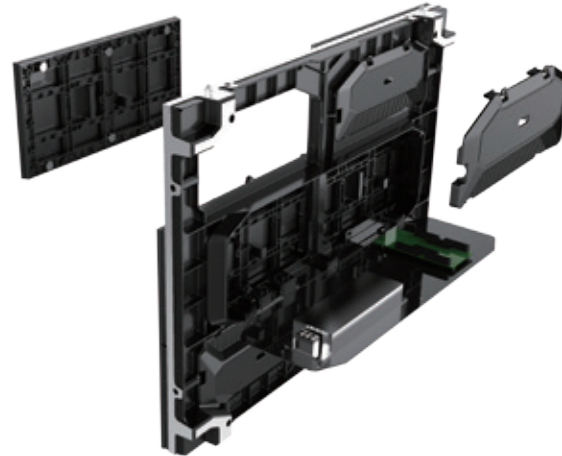
Metal Powder Spraying Process

Multiple Installation, Easy Maintenance

· Stack installation, easy to operate
· Support wall-mounting, hanging and stacking installation
· Support front & rear maintenance of module, receiving card and power supply

Front Maintenance

Rear Maintenance

Stacking

Wall-mounting

Hanging

Safe and Stable

· Standard manufacturing process and a number of quality tests ensure safe operation of KL series

Reliable raw materials

High quality LED lamp, power box and other accessories

Quality control throughout whole manufacturing process

18 monitoring links
29 operation processes
33 recording links
2285 inspections and tests

Long service life

Pursue precision and high quality
Energy efficiency, long service life

Standardized manufacturing process

Adhere to standard manufacturing process to ensure product quality

Certifications

China Compulsory Certification
Energy Conservation Certification
China Ecolabelling II
Pass performance/ blue light hazard/ photobiology test, etc.

Save operating cost

Stable product quality
Low operation risks
Low operating and maintenance costs

Ready-to-Use LED

· Superior Quality / Worry-Free / Safe & Secure

Superior Quality

Excellent product design
Reliable raw material
Standard manufacturing process
Quality control throughout the whole manufacturing process
Extraordinary visual effect

Worry-Free

Ready-to-use panel
Quick installation
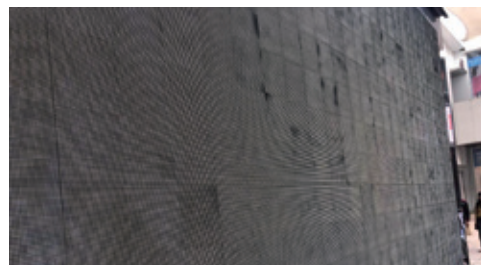One-stop standard solution
Global service and long term warranty

Safe & Secure

Safe and trustworthy
Certification
Professional installation & maintenance services

VS

Inferior Quality

Crude product design
Poor raw material
Non-standard manufacturing process
No strict quality control
Terrible visual effect

Troublesome

On-site assembly
Complicated installation
Non-standard solution
Unreliable after-sales service

Hidden Dangers

Great security risks
No certification
Non-standard installation & maintenance services

On-Site Assembly LED

· Inferior Quality/ Troublesome/ Hidden Dangers