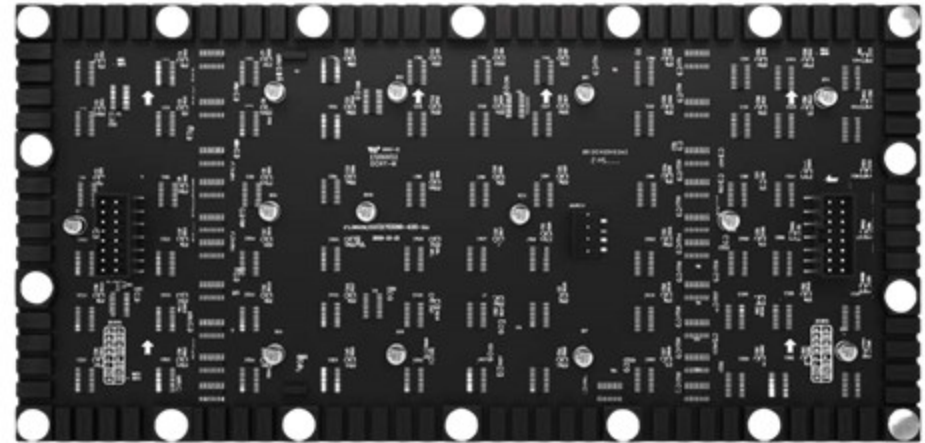


BOE BTX-FL Flexible LED Series



Product application scenarios



Cylindrical LED Screen



Ribbon-shaped
LED Screen

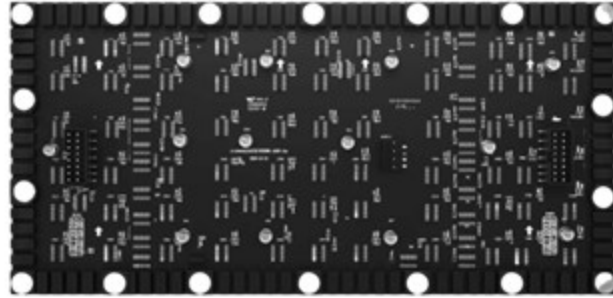


Wave-shaped
LED Screen

Details Display of Flexible LED Modules



Front view of the LED module



Rear view of the LED module



Corner view of the LED module.



Outer arc view of the LED module



Inner arc view of the module



Oblique and curved outer arc view of the module.



Oblique and curved inner arc view of the module.

Magnet

It can be installed by 18 strong magnetic adsorption methods and can be slightly adjusted.
The flatness of the screen body is good.

5V power input

Matched with signal flat cables

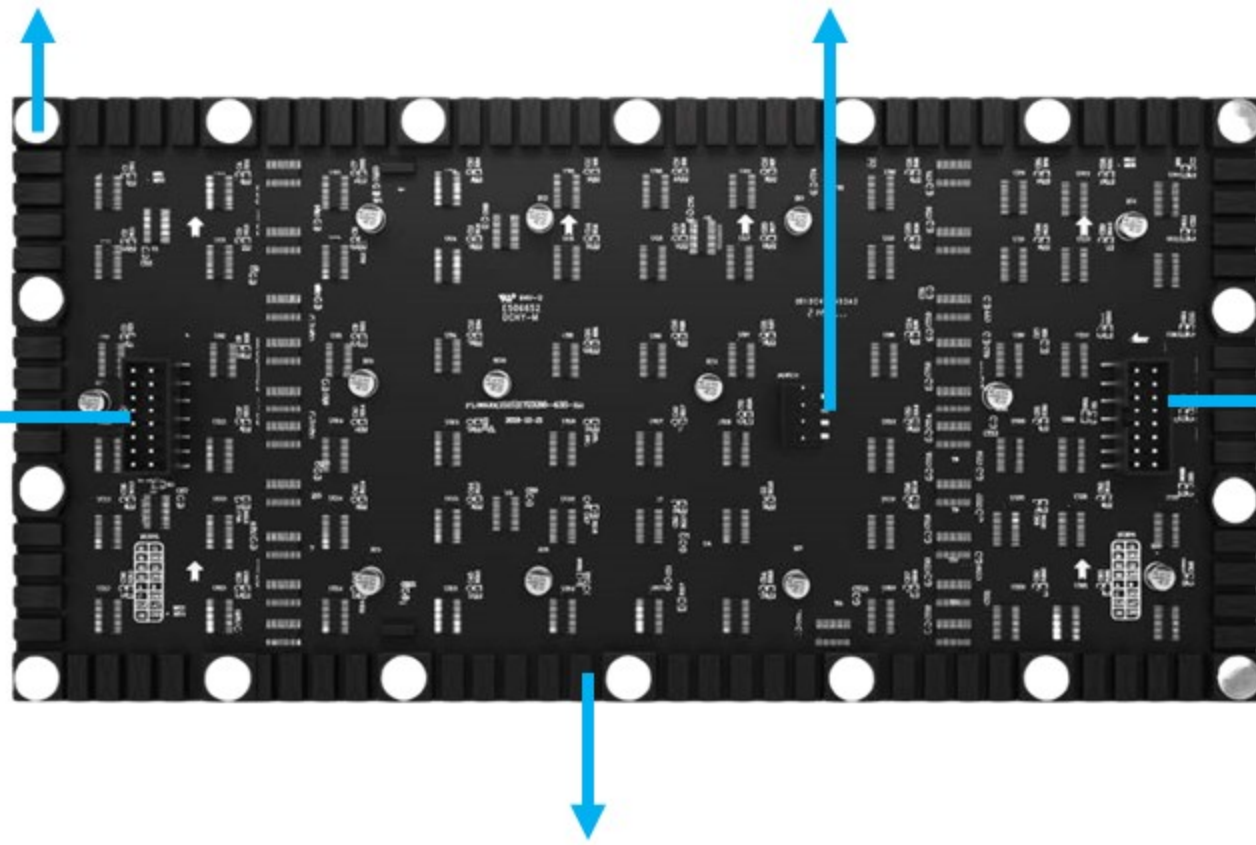
Signal input

Matched with signal flat cables

Signal output

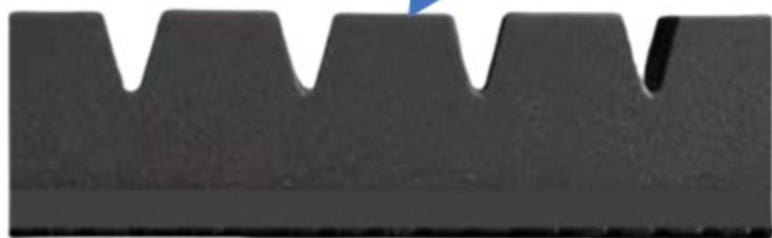
Silicone bottom case

The PCB boards adopt flexible soft boards, and the bottom cases are all made of high-quality silicone materials.





V-shaped design



The design of the V-shaped soft rubber bottom shell allows for splicing without interference, making the splicing and installation more flexible and convenient, and enabling a wider range of styling options.



The bending angle of the outer arc
of the flexible module

$\geq 120^\circ$



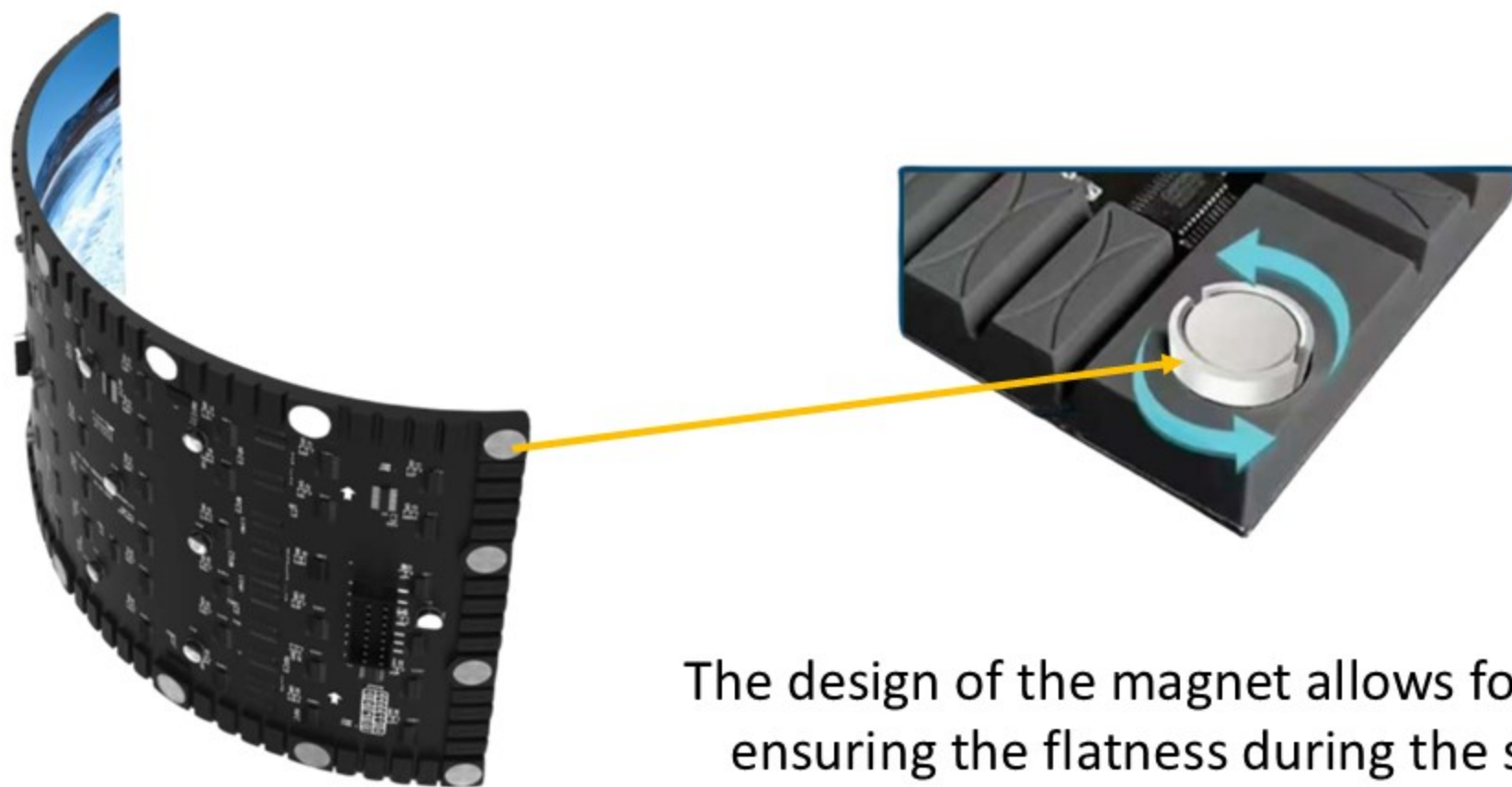
The bending angle of the inner
arc of the flexible module.

$\geq 120^\circ$



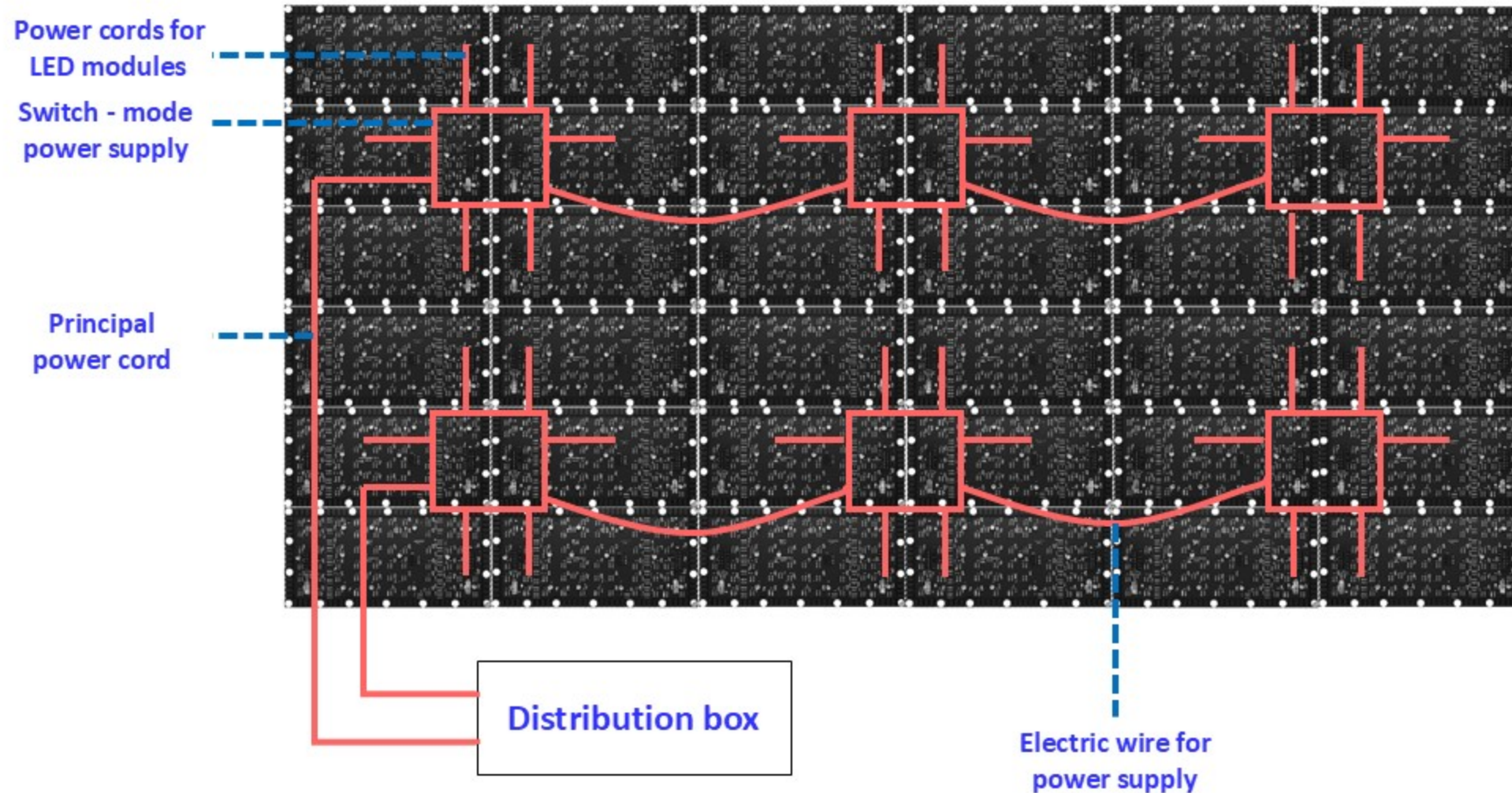
Please do not bend the LED modules
violently and repeatedly beyond the
bending angle.



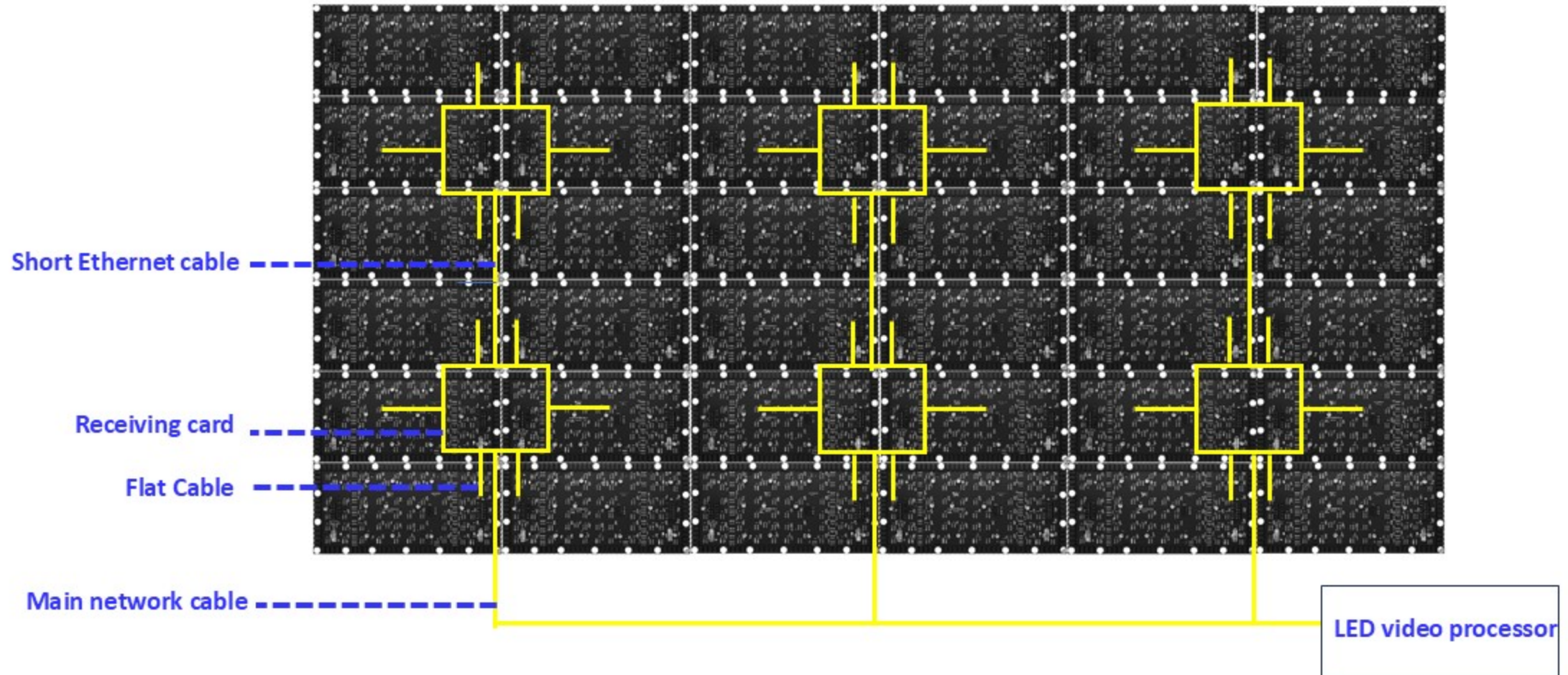


The design of the magnet allows for fine-tuning, ensuring the flatness during the splicing and installation of LED modules.

Schematic Diagram of the Straight Power Cord



Schematic Diagram of Signal Line Connection



Demonstration of Installation Methods for Flexible LED Modules

Installation of Cylindrical Structure



Flexible LED



LED cabinet structure



Install the Flexible LED modules onto the cabinet structure



Demonstration of the effect after installation is completed.

Installation of Inner/Outer Arc Structures



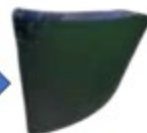
Flexible LED



LED structure



Inner arc structure



Outer arc structure



Demonstration of the effect after installation is completed.

Specific Parameter Table of BOE Flexible LED Modules

Product Model	BTX-FL015A	BTX-FL018A	BTX-FL020A	BTX-FL025A
Pixel pitch (mm)	1.538	1.8605	2	2.5
Pixel density (dots/m²)	422500	288906	250000	160000
LED packaging form	SMD1212	SMD1515	SMD1515	SMD2121
Module size (mm)	320×160	320×160	320×160	320×160
Weight	0.37kg±0.05	0.33kg±0.05kg	0.27kg±0.05kg	0.27kg±0.05kg
Module resolution	208×104	172×86	160×80	128×64
Horizontal viewing angle (Deg)	≥150°	160	160	160
Vertical viewing angle (Deg)	≥130°	140	140	140
Display brightness (nits)	≥450	≥450	≥450	≥600
Refresh rate (Hz)	3840	3840	3840	3840
Power of unit board (W)	≤20	≤22.5	≤22.5	≤22.5
Bending radian	120°~180°			
Operating temperature range (°C)	-10°C - 40°C			
Operating humidity range	10%-65%RH (no condensation)			