

# TSC Series Flexible Display

Pliable and Graceful



## Easy to bend for convenient use

A soft module is less than 2cm thick and is pliable up to 120°.

It passed 10,000 folding tests and easily fits all curved surfaces without warping.

$\leq 2\text{cm}$

Thickness of soft module

$\leq 200\text{g}$

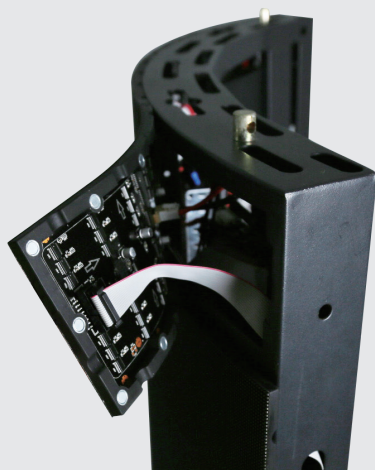
Weight of one module

$\leq 120^\circ$

Wide angle bending

10000<sup>times</sup>

Bending test



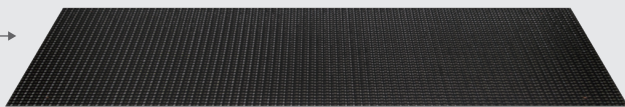
## Reliable high-quality product

Composed of layers of quality raw materials, the module uses highly fireproof PCBs and soft bottom housing, thoroughly ensuring its reliability.

LED lamp+ Organic molecular silicone mask\*

### Flexible PCB

- Class A fiberglass board material
- Only 0.4-0.6mm thick
- Flame resistance meets 94V-0 standard



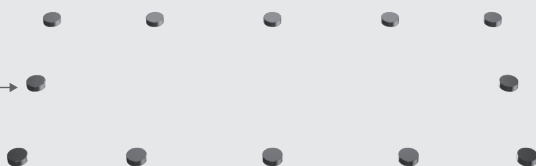
### Soft silicone bottom housing

- Environmentally-friendly flame-resistant special silicone material
- Flame resistance is V-1 grade



### Powerful magnets

- Inlay process



\* Only for TSC4M and TSC5M

## Colorful and eye-catching

High contrast ratio and high grayscale for better image effect.



### 4000:1 contrast ratio

Black surface LED lamps+ soft mask\* to effectively enhance the contrast ratio



### High grayscale

The image is still clear and detailed even in low brightness



Fine images and distinct dark textures



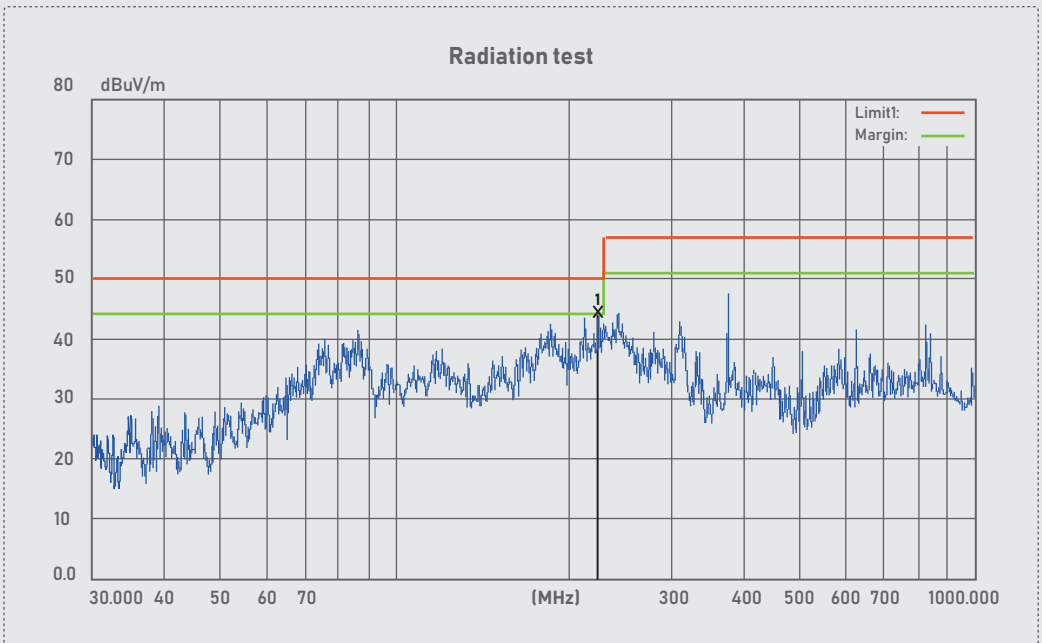
Blurred image without dark details

\* Only for TSC4M and TSC5M

## Low electromagnetic radiation

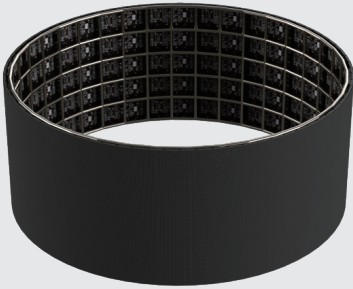
The product has undergone strict radiation testing to reduce its electromagnetic interference with other equipment and objects in its surroundings.

### PCB circuit design meets EMC standards

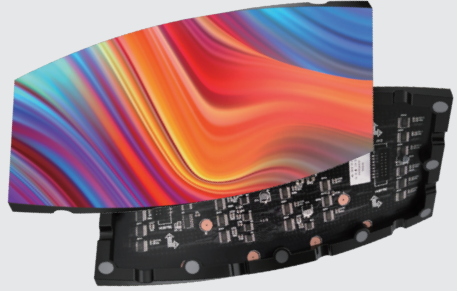


## Supports customization of different shapes

Various customizable shapes (concave/convex/wave/cylinder) according to customer needs to help customers showcase their creativity.



Cylinder



Other curved shapes

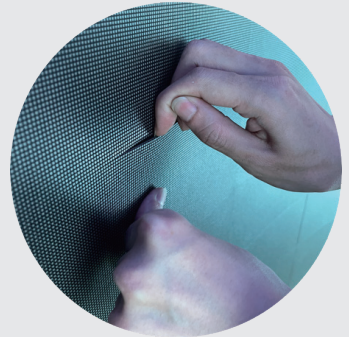
## Ready-to-use panel delivery ensures easy use

Complete ready-to-use panel delivery and strong magnets support fast installation and front/rear maintenance\*.



Supports front maintenance  
of module

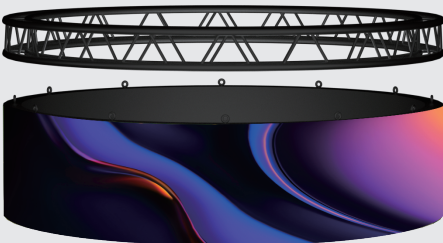
→  
No tools required



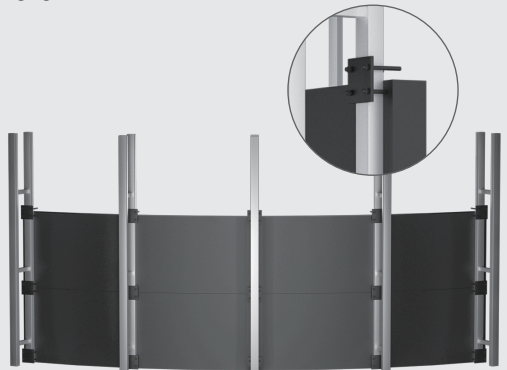
\* Module, power supply, receiving card: Support front/rear maintenance to meet different project needs

## Flexible installation

Installation in front/rear according to site conditions; supports hanging, wall-mounting and stacking installation.



Hanging



Stacking

## Application scenarios

TSC Series can help create a three-dimensional effect and atmosphere.



Malls/shopping centers



Chain stores



Showrooms

and more...



## Parameters

Model	TSC1.8M	TSC2M	TSC2.5M	TSC3M	TSC4M	TSC5M
LED type	SMD 1515	SMD 1515	SMD 1515	SMD 1515	SMD 2121	SMD 2121
Module size (mm)	240*120	240*120	240*120	240*120	256*128	320*160
Module resolution	128*64	120*60	96*48	80*40	64*32	64*32
Driving mode	1/32	1/30	1/24	1/20	1/16	1/16
Brightness(nit)	800	800	800	800	800	1000
Viewing angle(H/V,°)	160°/160°	160°/160°	160°/160°	160°/160°	160°/160°	160°/160°
Center bending angle	≤90°	≤120°	≤120°	≤120°	≤120°	≤120°
Application environment	Indoors	Indoors	Indoors	Indoors	Indoors	Indoors
Operating voltage	AC100-240, 50/60Hz					
Operating temperature	-10°C~+40°C					
Operating humidity	10%-80%RH					
LED lifetime	100,000 hours					

**Absen Optoelectronic Co.,Ltd**

📍 18-20F Building 3A, Cloud Park, Bantian Huawei Base,  
Longgang District Shenzhen, 518129, P.R.China

☎ +86-400-700-3278 +86-755-89747399  
🌐 [www.absen.com](http://www.absen.com) ✉ [absen@absen.com](mailto:absen@absen.com)

