Product Specification

Product name：Flexible LED Pixel Mesh Light

Product picture

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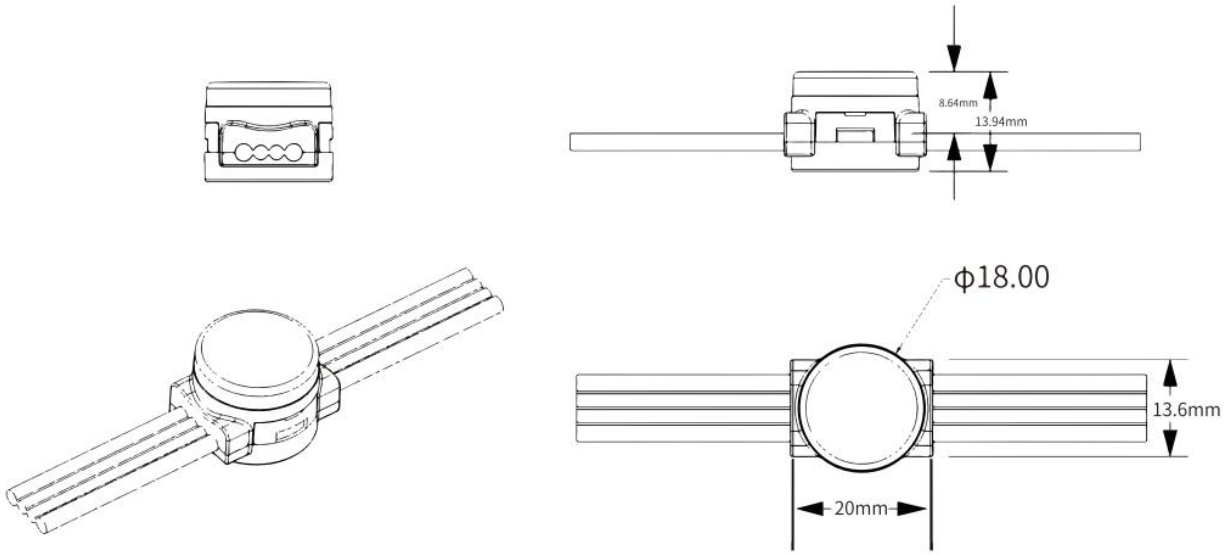
Product Features

1. High flexibility to perfectly match with the building facade.
2. Smart chip technology: Each mesh pixel is automatically addressable and easy to configure.
3. Outdoor protection grade: IP66/IP67, UV resistant, class III electrical safety level, is a reliable solution for indoor and outdoor.
4. Waterproof connectors: Head and tail of the panel, with waterproof connectors.
5. High permeability, go through light, air and smoke easily.
6. High transparent LED mesh wall, does not block natural light.
7. Built-in electronic driver, with overheating and overload protection.
8. The lamp cover is made of anti-ultraviolet PC, which has strong impact resistance, long life, and is not easy to age or yellow.
9. Suitable for wide area application, give people sense of visual shock.
10. Light weight, reduce costs of transportation and installation.

Physical Size



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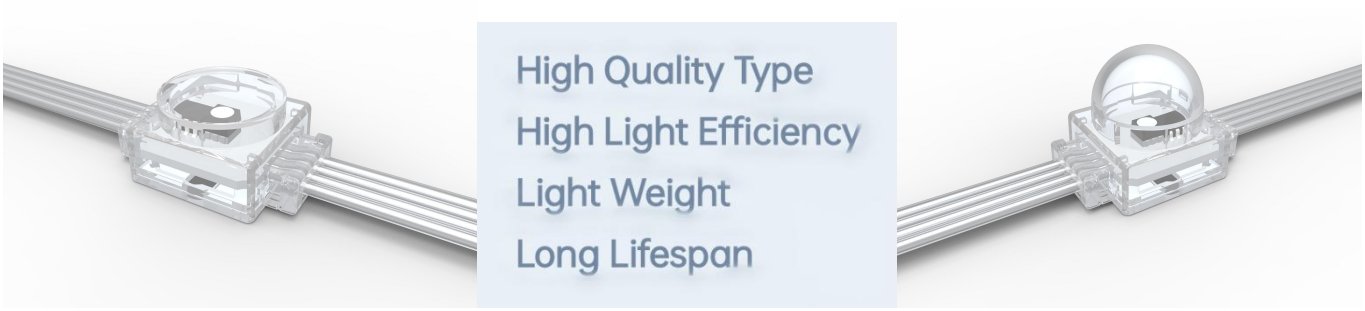
SunTechLed

Professional LED light manufacturer



Product Specification (ST-SPB018-1Dot)

Parameters	ST-PMAU-01	ST-PMAU-02	ST-PMAE-01	ST-PMAE-02	ST-PMXT-01
Pixel Pitch(mm)	31.25mm	40mm	50mm	55mm	62.5mm
Pixel Density	1024 dot/m^2	625 dot/m^2	400 dot/m^2	330 dot/m^2	256 dot/m^2
Module size(mm)	0.25m*10.3m max	0.32m*13.2m max	0.4m*16.5m max	0.44m*18m max	0.5m*20.6m max
Brightness	3000cd/m^2	1875cd/m^2	1200cd/m^2	1000cd/m^2	768cd/m^2
Max.Consumption	512w/m^2	312.5w/m^2	200w/m^2	165w/m^2	128w/m^2
Ave.Consumption	409w/m^2	250w/m^2	160w/m^2	132w/m^2	102w/m^2
Transparency	42%/m^2	54%/m^2	63%/m^2	66%/m^2	70%/m^2
Screen Weight	9.4kg/m^2	6.3kg/m^2	4.3kg/m^2	4.2kg/m^2	3.2kg/m^2
Module Resolution			8dots*330dots max		
Unit Consumption			0.4W		
Gray Scale			8bit/12bit		
Refresh Rate			≥1920Hz		
Viewing Angle			120°/160°		
Input Voltage			DC5V/12V		
Operating Temperature			-20°~ +50°		
Storage Temperature			-40°~ +70°		
Waterproof Grade			IP66/IP67		
Lifespan			≥100,000H		
Certificate			CE,RoHS,FCC		
Warranty			5Years		

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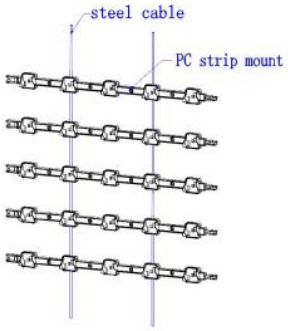
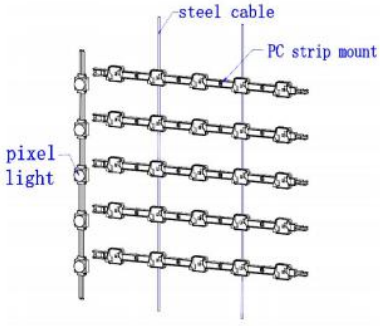
Installation Diagram



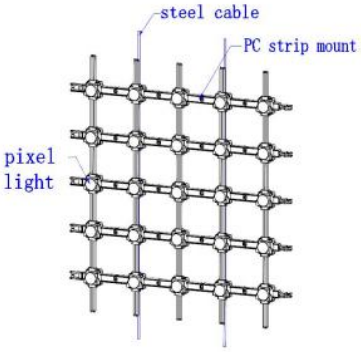
①wire fixing and strip mounting:

Fixing both ends of the wire on the strip mounting module to the mounting base;



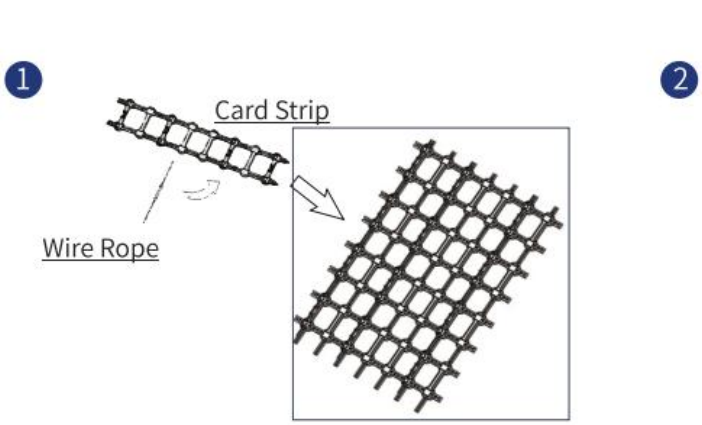
②pixel light installation:

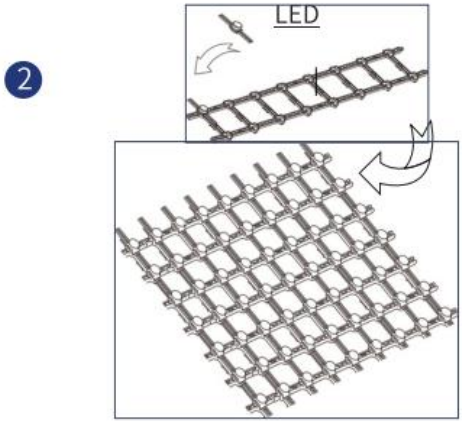
After the strip-shaped mounting module is fixed, the point light source is stuck into the strip-shaped mounting member;

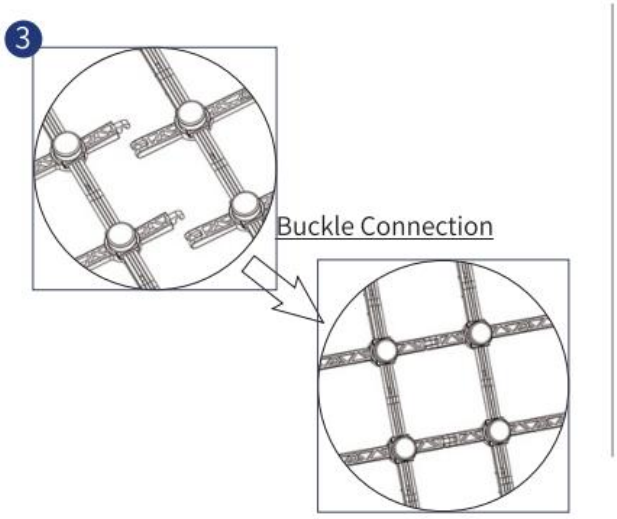


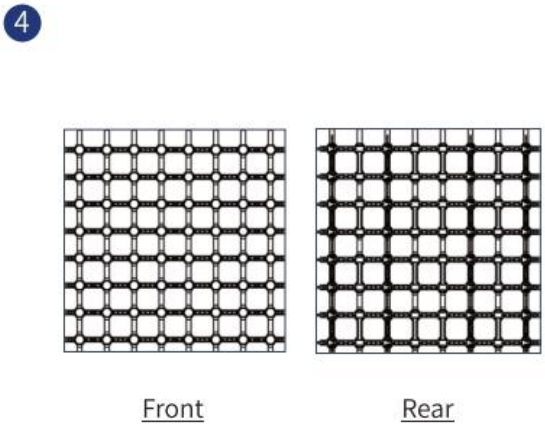
③adjust the point spacing and flatness:

After the installation is completed, the spacing of the strip mounts can be fine-tuned to ensure that the installation is neat! (schematic diagram after installation).









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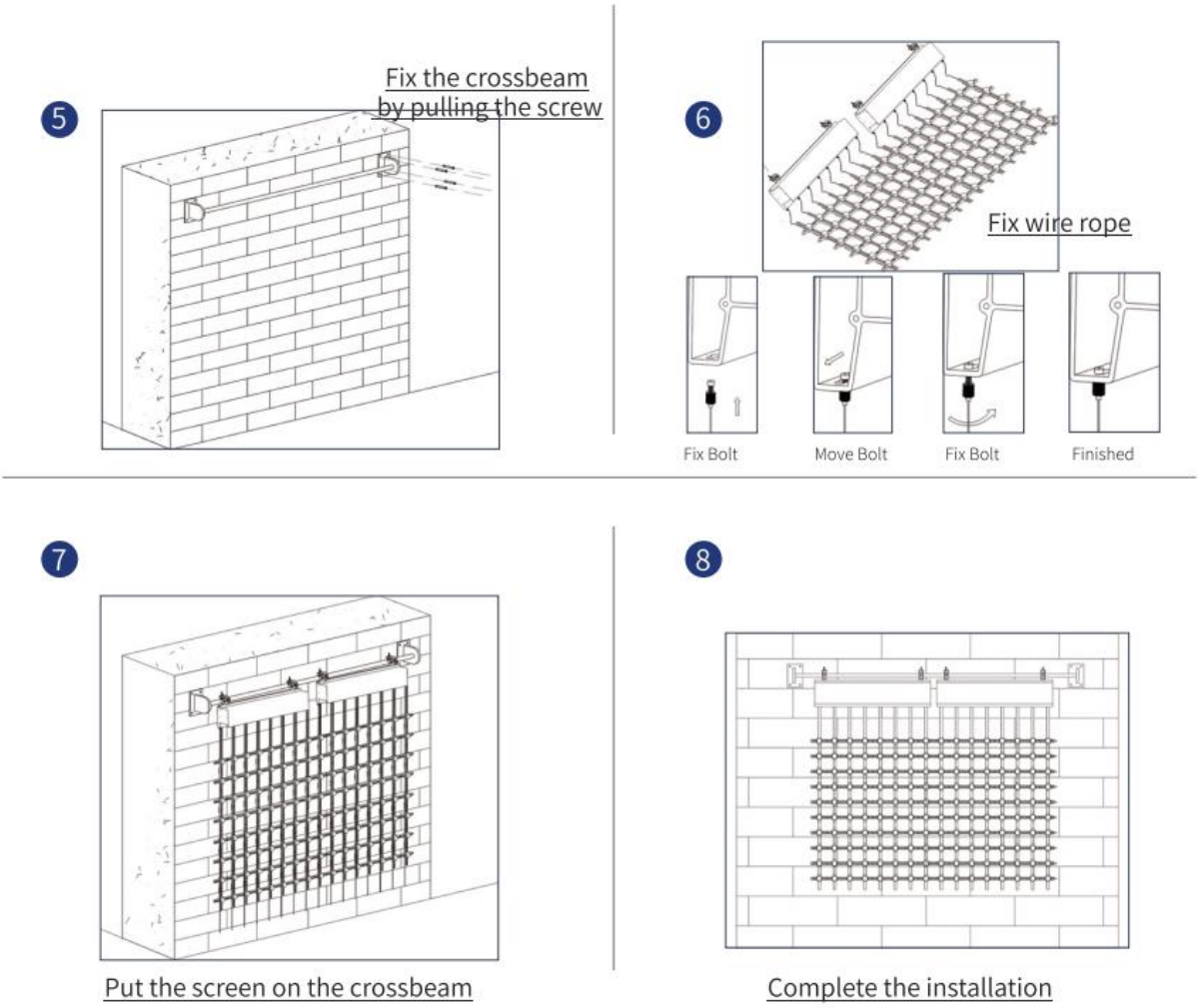
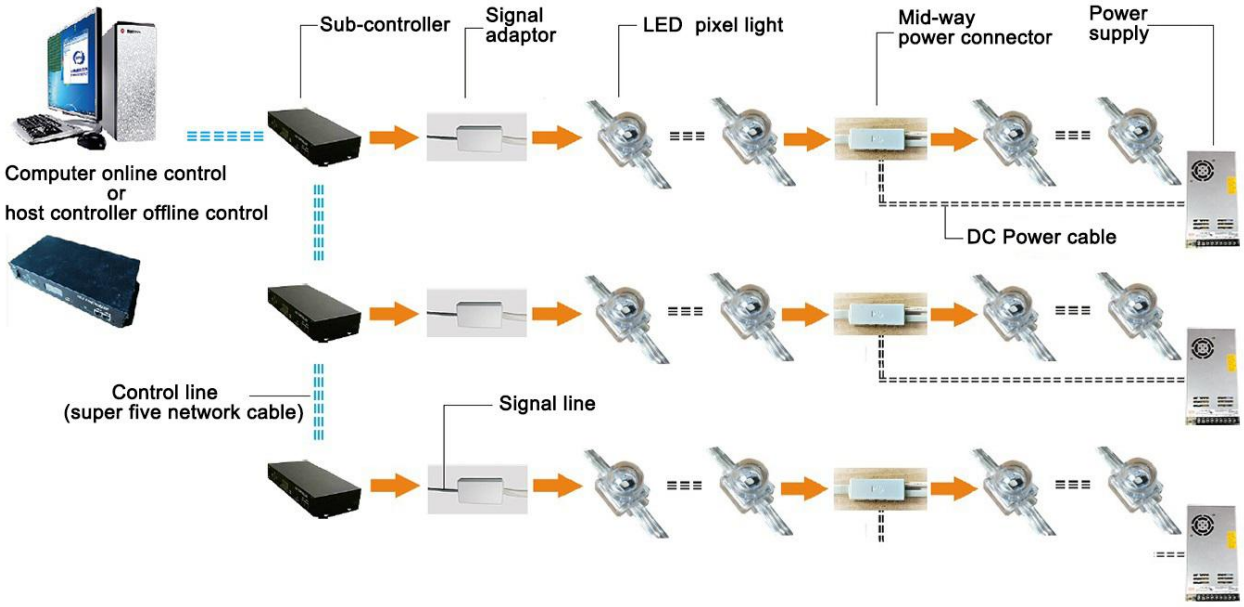
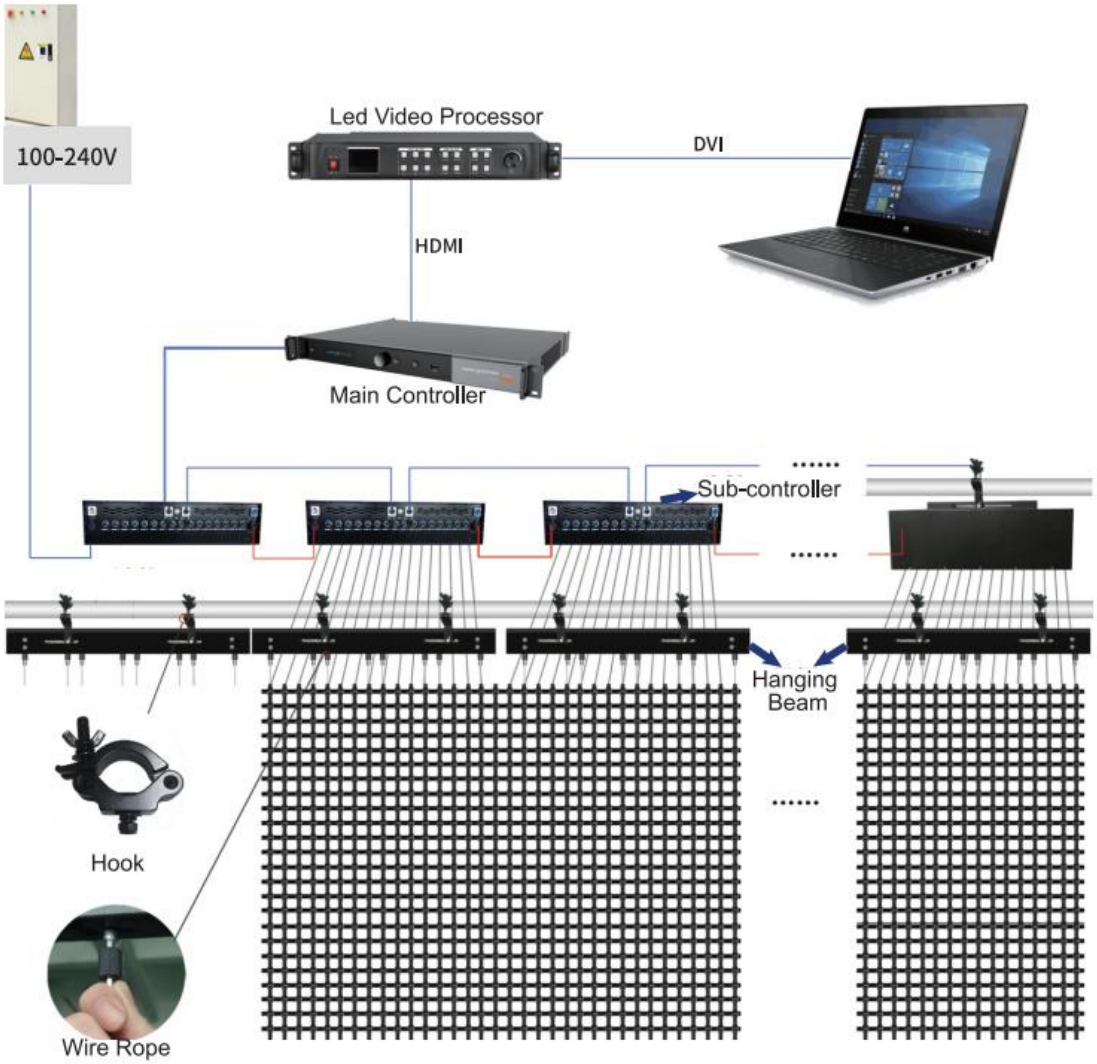


System Connection

1. The main controller is equipped with sub-controller and signal adaptor. The main control and sub-control working voltage is AC220V. The working voltage of the signal adaptor is the same as the working voltage of the pixel light.
2. Each sub-controller has 8 ports. The TTL sub-controller can carry 512 (RGB) pixels per port. The DMX sub-controller can carry 170 (RGB) pixels per port. It is used with the signal adaptor and supports 200 meters long distance transmission.
3. The main control and sub-control, sub-control and sub-control are connected by CAT5 twisted cables, the maximum distance of each section is less than 120 meters; the maximum transmission distance between the sub-controller and the signal adaptor is less than 120 meters. In this case, the maximum distance from the signal adaptor to the first pixel light is no more than 2 meters.
4. It is recommended that the maximum point spacing should not exceed 2.5 meters, and each intermediate power supply can support the power supply distance of 6 meters left and right (can be adjusted according to the project conditions).

System schematic





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