PRODUCT SPECIFICATION

Led Mesh Screen

E10A02

Product Feature

◇ These products are made by SMD 3535RGB high brightness LED with big view angle.

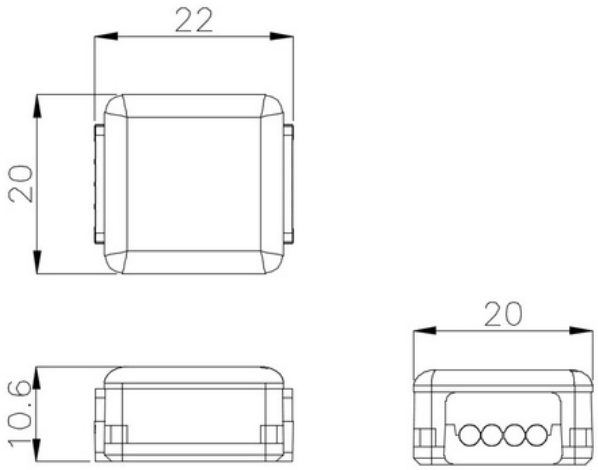
◇ Use Taiwan Epistar chip, with high Brightness, light color consistency, good color saturation Strong stability etc.

◇ With special buckle construction,for all kinds of board. Directly to install after dig the holes, easy and quickly, very convenient.

◇ With PU glue sealing, not easy to crack, waterproof and high product protection.

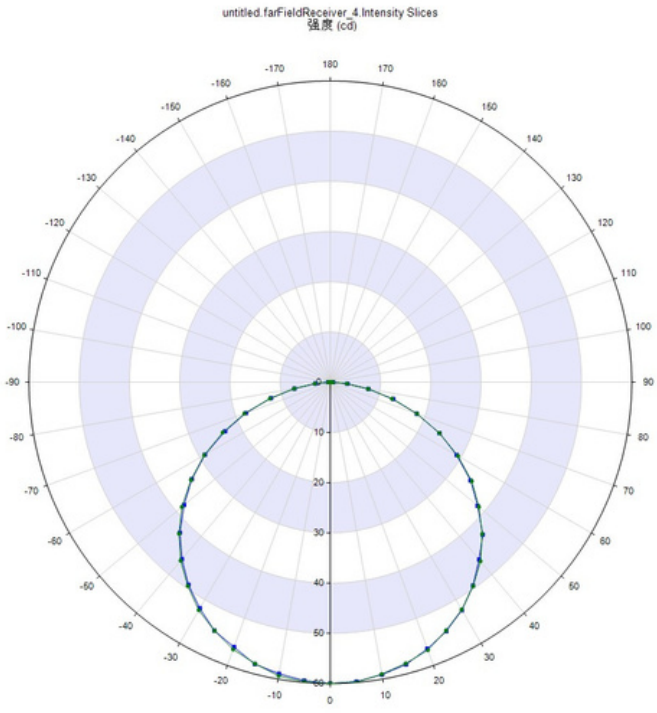
◇ The wire and shell are resistant to cold, UV and flame retardant material, suitable for long-term outdoor use.

Size Chart



Specification Light Distribution Curve

Model :	E10A02
Voltage :	DC12V
Power :	0.72W/pixel, P125 - 46W/sq.m
LED Type & Qty :	SMD 3535 RGB * 2pcs
Chip Type:	UCS5603A
Control mode:	SPI
Shell Material:	Engineer plastic/PC
Gray Level :	12 Bit 4096 grade
IP Grade :	IP67
Brightness :	≥4800mcd/pixel, P125 - 300CD/sq.m
wavelength :	R : 615-630nm G : 525-545nm B : 460-480nm
Chip Brand :	Epistar
Lifespan :	≥50000H
Beam Angle :	≥120°
Work Temp :	-20~+60
Store Temp :	-40°C~+75°C



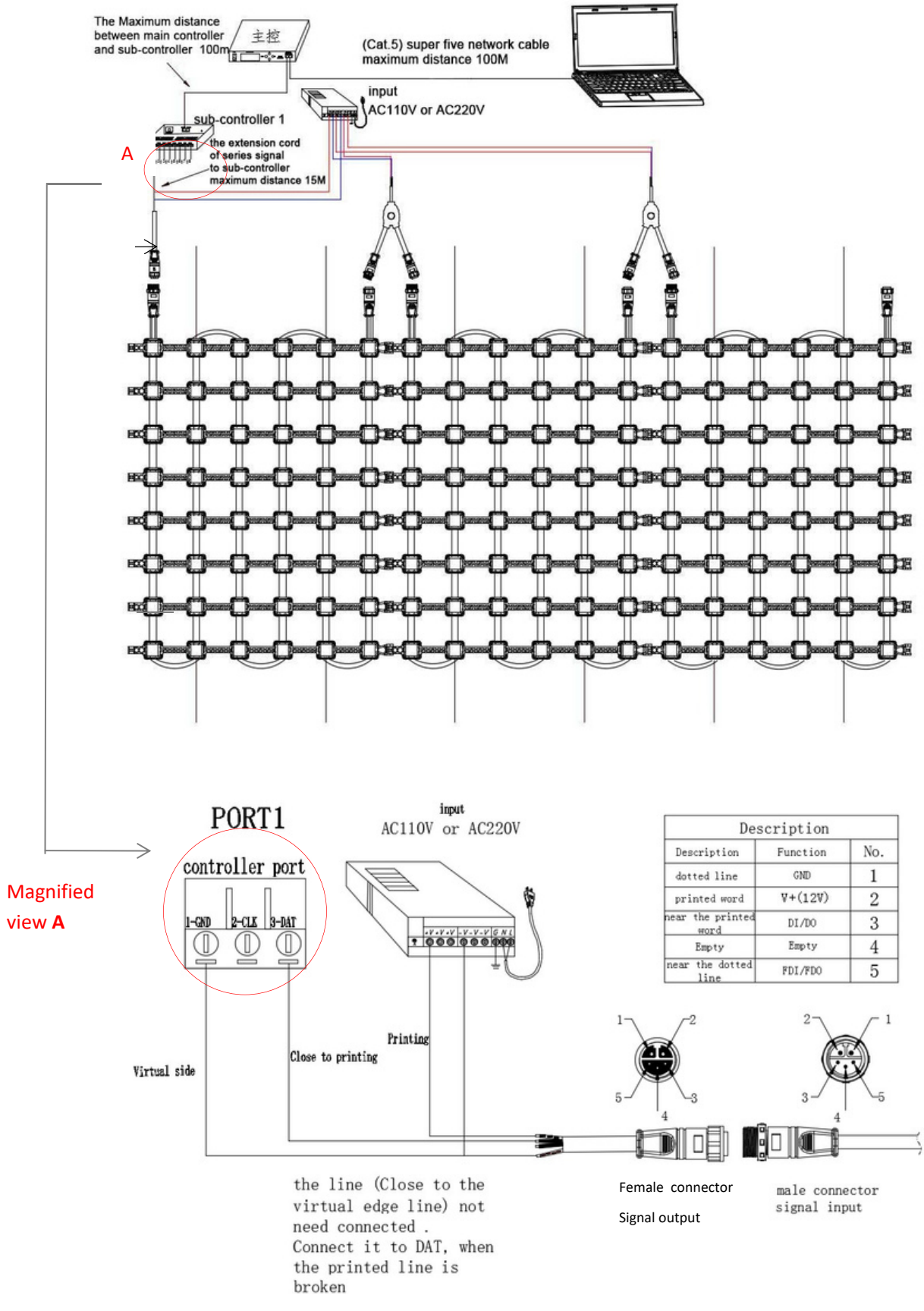
Application

- Building lighting decoration
- Media facade lighting
- Large shopping mall exterior
- Entertainment or stage lighting,such as clubs and KTV s Hotels led screen

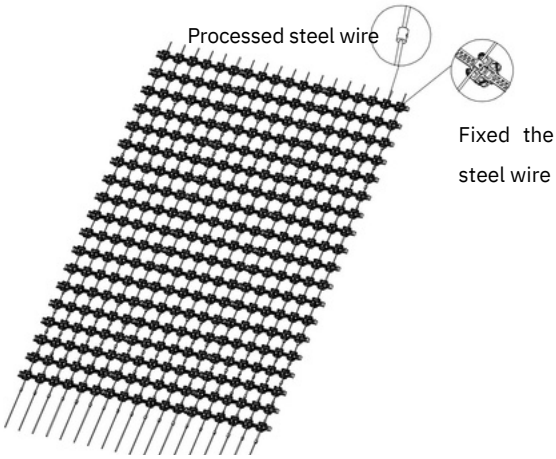
Reliability Test Item And Conditions

Test Item	Test Conditions	Test Duration	Judgement standard
Power Test	Input Voltage 12V, Ta=25℃±5℃	30min	Wattage 0.65-0.75W
Temperature Test	Input Voltage: 12.5V with white color	30min	≤60℃
Drop Test	Free fall at 1.2m height	10 Cycles	No damage to the appearance, normal function
Thermal Shock	-40℃(30min) ~ 100℃ (30min)	200 Cycles	No damage to the appearance, normal function
Salt Spray Test	5% NaCl	72H	The material is non-corrosive and functional
Anti-UV Test	UV-A, 350-400nm, 60℃	**72H**	The material is free from aging and discoloration, functioning normally
Switching Cycle Test	ON 25 second / OFF 5 second, ON/OFF cycle	48H / 5000 cycle	Functioning normally
Voltage Test	DC 500V	Once	Functioning normally
ESD Test	3000V	Once	Functioning normally
High and Low Temperature Test	-30℃~65℃，RH 85%	72H	Functioning normally
Tensile Test	Input/output line, pull force 20KG or more	Once	The wire is not broken and functions normally
Vibration Test	Horizontal and vertical direction	4H	Functioning normally
IP Rating	IP68 0.5m underwater	48H	Functioning normally
Flame Retardant Rating	Refer to UL94-V0 standard	**10 Cycle**	Self-extinguishing from the fire, no burning matter falling

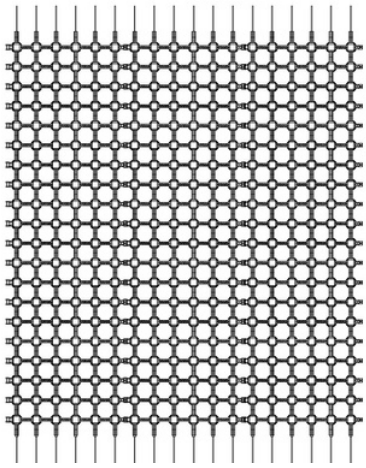
Connection Diagram



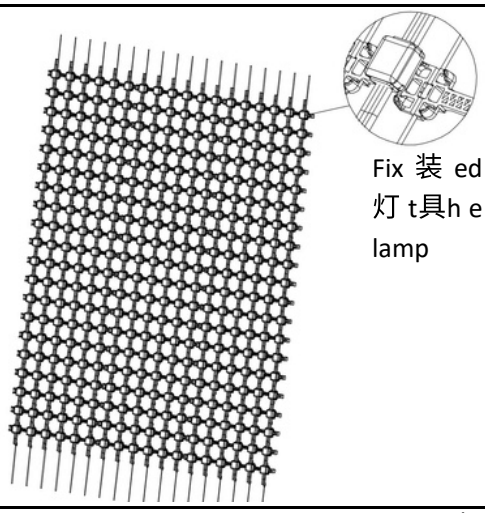
Installation Diagram



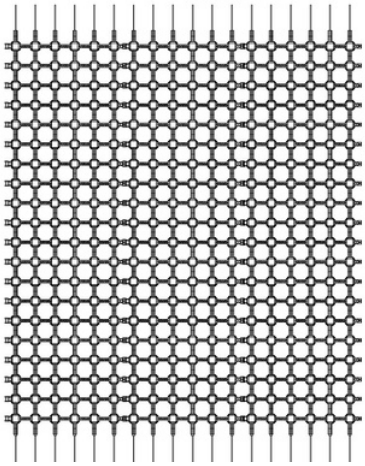
1.Fixed the steel wire into the buckle of the PC bracket strip



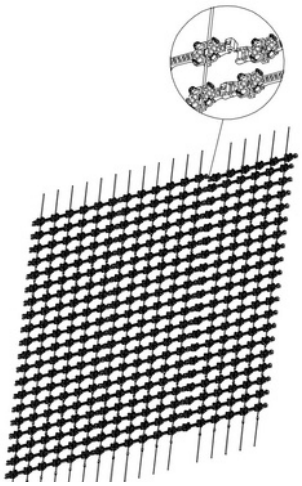
2.After the PC bracket strip is assembled into 1200mm (3 rows of cards)* (actual installation length),then install the lamp on the PC bracket strip (the direction of the PC bracket strip must be the same)



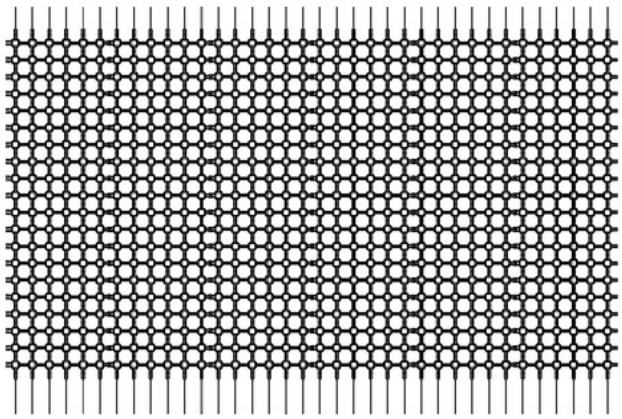
3.Place the wire-loaded strips on a flat surface (ground or table).
Then, the lamps are respectively fastened to the position of the card strips.



4. After installing the lamp, flatten it, then straighten it, try to ensure that each product is installed.



5. Splicing two or more PC bracket strip with lights installed, as shown in the figure, if the project is large, if it can't be installed completely, put one piece into the installation position and then splicing it together.



6. As shown in the figure, you can splicing the size at will. After the completion, you can hang it use the wire rope in the required installation position.

Notes

1. The output voltage of the power supply cannot be higher than the rated voltage, otherwise it will cause damage to the luminaire.

2. Do not carry live work.

3. All power cords and wire connections should be waterproofed after soldering.

4. Non-professionals, please do not replace the controller and power supply at will, avoid wiring errors and cause malfunctions.

Project Case