

Product Specification

Customer Name: _____

Product Item No.: SN-MAD013

Product Name: 7220LED Injection Module (Waterproof)

Product Description: SMD5050 3PCS RGB DMX control DC12V



Customer Confirmation	Approval	Audit	Undertake

Shenzhen Suntech Company Limited

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I. Features:

- Take TOP5050RGBLED as light source, no light spot, low decay and good consistency.
- Low consumption, high brightness, free maintenance, long life span.
- Injection outer cover, beautiful and unique appearance, good heat dissipation. Input voltage: DC12V, reliable and safe. dmx512 signal control
- With series-parallel connection circuit for LED PCB, 50pcs modules are connected to one string and each module can be cut individually.

II. Applications:

Widely used in 8-20cm depth of light-emitting character, advertising signage, advertising lighting box, local lighting.

III. Parameters:

Optical Parameters:

Name	LED	color	CT (K)	Voltage	POWER	Lumen (LM)	Effect (LM/W)	angle
MAD013	SMD5050	R	620-625nm	12V	0.72W	5LM	/	160°
		G	520-525nm			12LM		
		B	465-470nm			3LM		

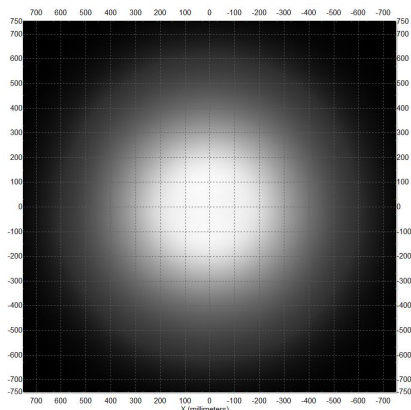
Other parameters:

Connecti on Qty	Shell color	Drive method	Weight (g/50pcs)	Warranty	W T (°C)	S T (°C)	IP Level
50pcs	White	Constant voltage	500	5Years Or 25000H	-25-+60	-25-+80	IP67

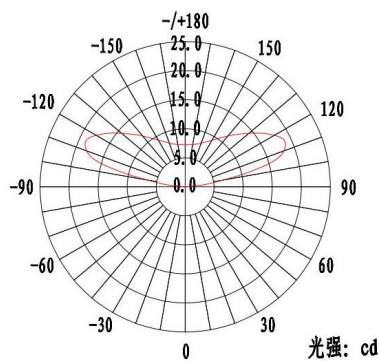
Note: ①The test ambient temperature is 25±2°C;

②The above data is typical, the actual parameters of the product may be different from the typical data.

IV. Spot map and light distribution curve:



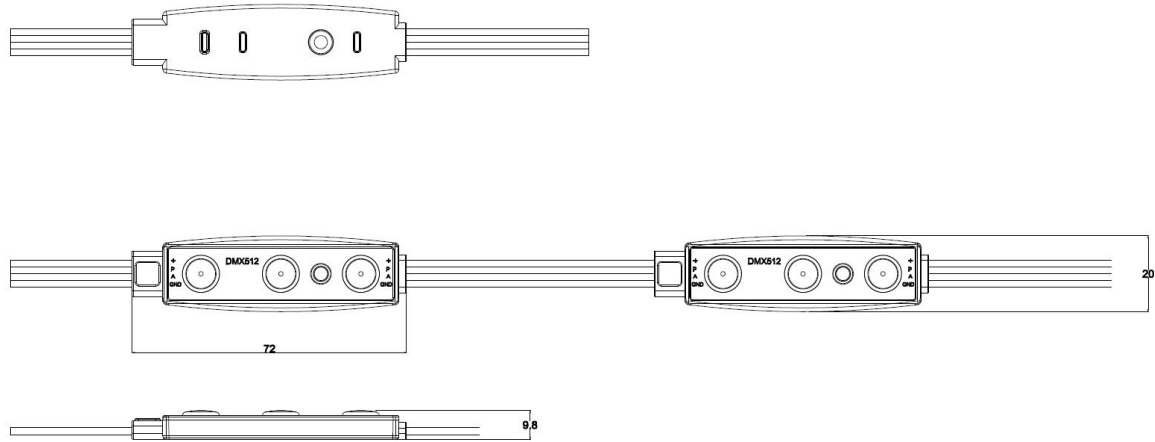
Spot



平均光束角 (50%) 159.7°

Light distribution curve

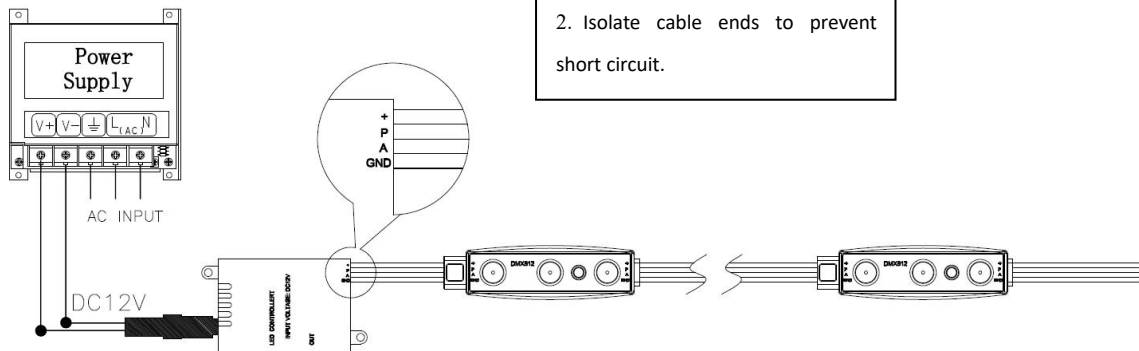
V. Dimensional Drawing(Unit: mm):



VI. Installation Instruction:

Method 1:

1. Connect the first LED module into the main power. Max number is 50 PCS.
2. Isolate cable ends to prevent short circuit.



VII. Notes:

- Usually, main power cable dimension is 2x1.5mm². To prevent damage from overheating caused by overload, it is essential to take 0.75mm²/18# wire as main power cable if necessary. Cable length between power and module should not exceed 2m. If over 2m, it will increase total power consumption.
- Take method 1 for installation (single end power supply), maximum is 50 PCS.
(No over-connecting)
- Take method 2 for installation (both ends power supply), maximum is 50 PCS.
(No over-connecting).
- 1. Take off release paper from adhesive tape at the back of modules.
 2. Stick modules inside light box or advertising signage for initial setting.
 3. Fix module by glass glue at both sides of module.
- Standard connection number is 20pcs for each string; Cut into each piece as to actual requirement.
- During the connection, use diagonal pliers to cut off power cable between modules, peel off the plastic around 10mm, wire the cables and then connect them to their respective isolation port (the white-red cable heads to positive, the white cable for negative). Do remember check the conductivity and reliability of the cable after the connection, generally, they can't be pulled out of the port by middling force.
- Peel off the cable coat by 10mm (around) then connect then into isolation port if there are extra cables for the string-end module.
- Make sure that the waterproof and anti-corrosive reliability; grease some silicon glue (neutral glass glue or waterproof glue) into the connection port for further protection.
- Don't touch the product when they are electrified.
- Advise to use SMPS with related safety certificate (with short circuit protection, overload protection and over-current protection).