

Features

- Adopt integrated lens
- Adopt full glue feed technology, super weather resistance
- Can use external controller to achieve reach color changes
- Single module can be cut

Application

- Suitable for 8-18cm depth light box, advertising words, signage lighting etc .

Installation

- Fix by adhesive tape or screws

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Optical & Electrical Parameters

Model No.	Light Color	CCT/Color Available (K/nm)	Beam Angle	Luminous Flux (lm/pcs)	Ra	Efficacy (lm/W)	Voltage (V DC)	Power (W/pcs)
PS6	R	620-625	160°	7	/	30	12	0.24
	G	520-525		16		68		0.24
	B	465-470		9		15		0.24
	RGB	100000+		25		35		0.72

Other Parameters

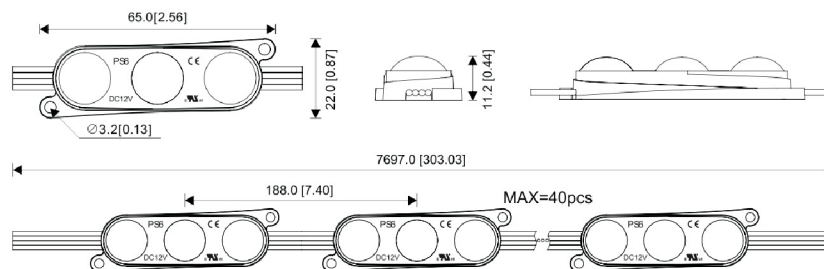
Model No.	LED Qty/pc	Product Size L*W*H(mm)	Standard Run(pcs)	Max Run(pcs)	Working Temperature	Storage Temperature
PS6	3	65*22*11.2	40	40	-20~+60°C	-20~+70°C

NOTE:

1. Testing temperature: 25±2°C
2. The above data are typical values. The actual data of each single product may differ from the typical values. The data is subject to change without notice.
3. Different color temperature will make luminous flux different.
4. The "Quantity" above means the LED quantity of single module.
5. Luminous flux & power tolerance within ±10%.
6. Max. cascading length is powered one end.

Profile Drawings

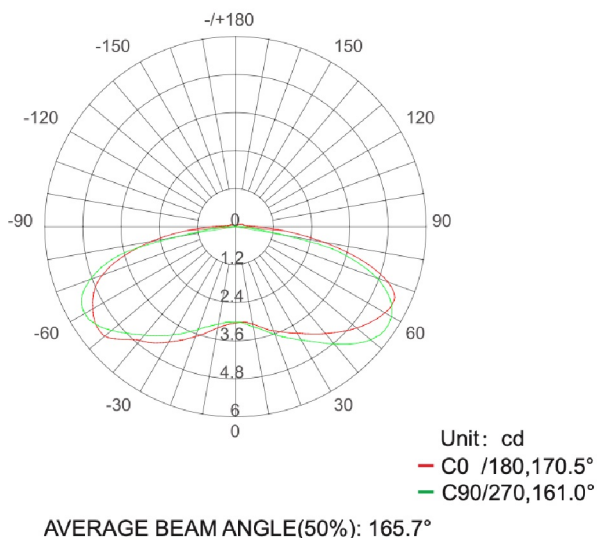
Unit:mm[inch]



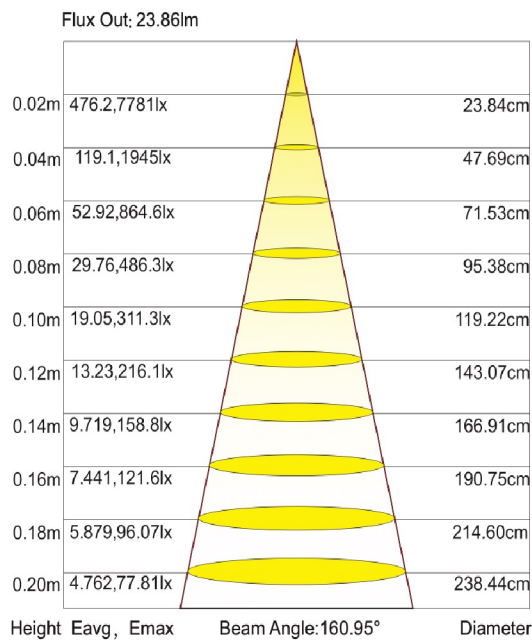
Note: detailed drawing, please contact sales rep

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Luminous Intensity Distribution Diagram



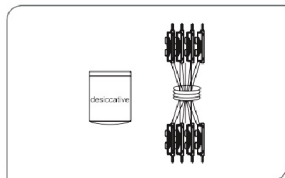
Average Illumination



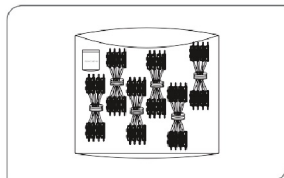
Note:The above two pictures are obtained when four colors of PS6 are all bright. If you need data and parameters of other models, please contact the salesman Rep

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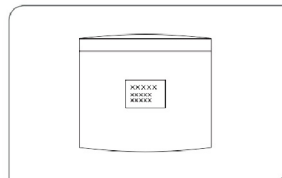
Packing



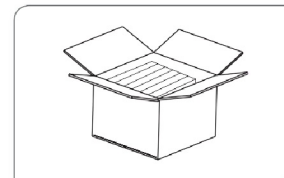
Prepare the desiccant and bind the product.



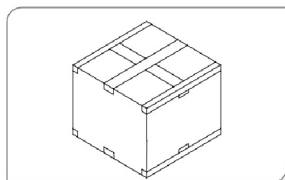
Put the product and desiccant into static shielding bag.



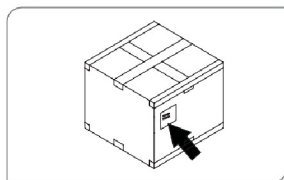
Seal and label the static shielding bag.



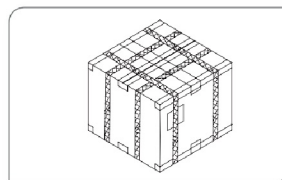
Put the static shielding bag side by side into carton box.



Seal the box.



Label the box;



Use packing belt to pack after adding the edge protectors.

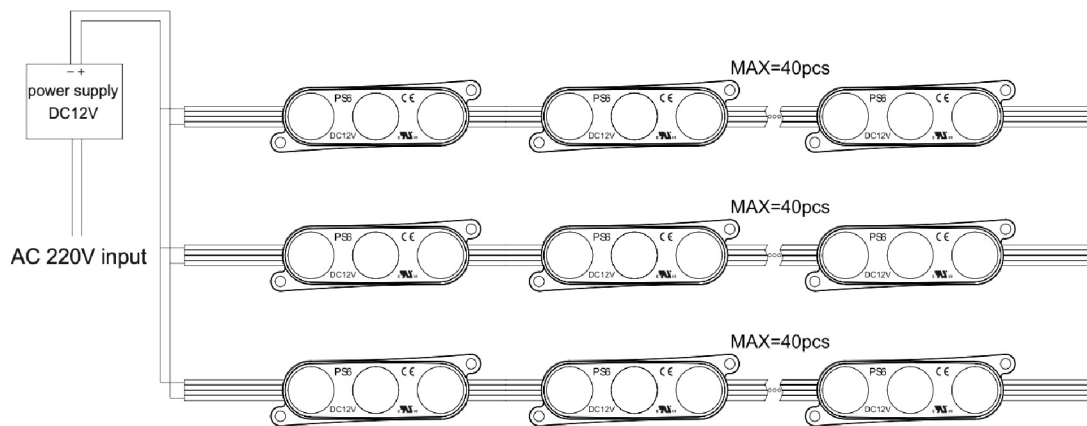
Packaging information

Model No.	Product Size L*W*H(mm)	Carton Size(mm)	pcs/bag	bag/Carton	Net Weight(kg)	Gross Weight(kg)
PS6	65*22*11.2	390*390*325	80	16	18.55(1±10%)	19.75(1±10%)

Note: above-mentioned quantity and weight are only based on above packing method

Installation

Connection Diagram

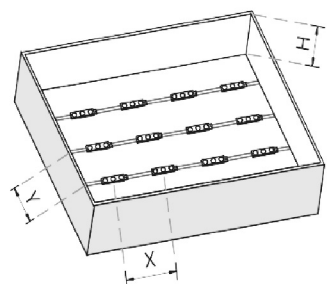


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Installation Reference

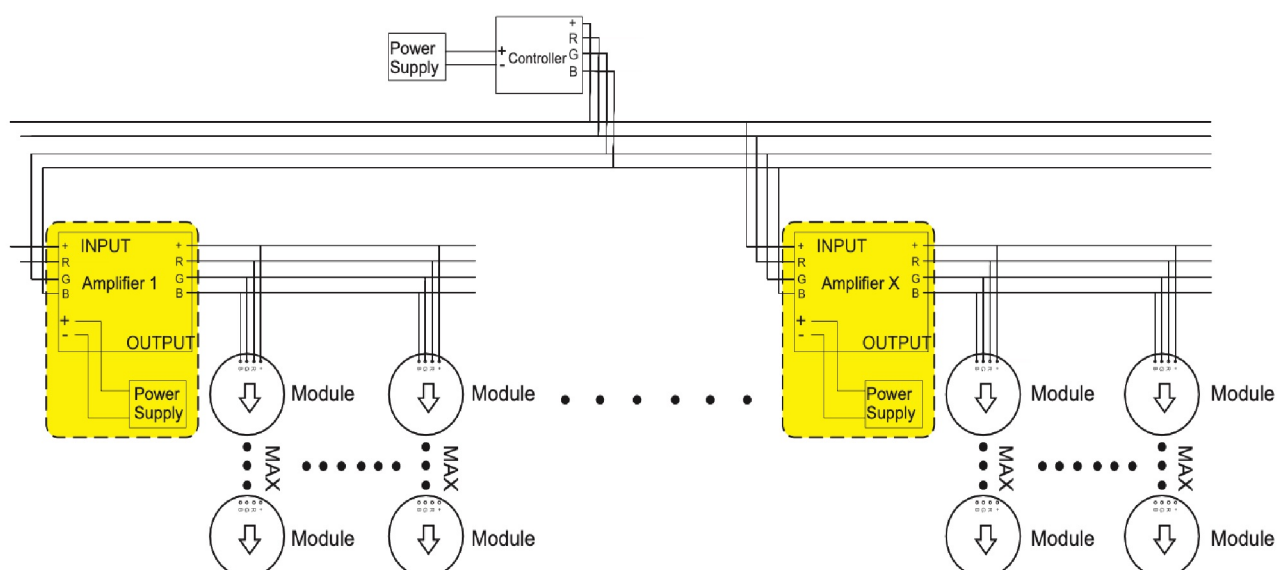
Model No.	Surface Material	Depth(H)cm	Illumination(lux)	Evenness	Density (pcs/m ²)	Spacing (X*Y)cm	Watt Density (W/m)	Visual Effects
PS6	White Soft Film	8	1124-1323	0.85	10*10	10*10	72	OK
		10	747-881	0.85	8*8	12*12	46	
		12	601-699	0.86	7*8	15*12	40	
		15	489-558	0.88	7*8	15*12	40	
		18	413-453	0.91	7*8	15*12	40	

Note:



1. X indicates the horizontal center spacing between modules;
2. Y indicates the longitudinal center spacing between modules;
3. Single LED modules are arranged in a square, X=Y.
4. When the depth of light box H>18cm, use more products to satisfy Illumination demand
5. Please contact the sales for other data.
6. Customized wire length available.
7. The above data is for common demand , you can increase the density for actual demand.
8. The above data are obtained when four color of PS6 are all bright

Connection Diagram of Controller



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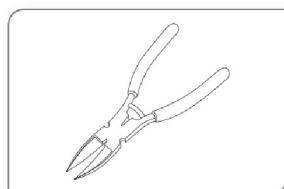
Amplifier power supply rated power (W): P
 Product rated power (W): P(module)
 Controller load:M(pcs)
 Module max run: MAX=50

$$M = \frac{P \times 0.8}{P_{(module)} \times MAX}$$

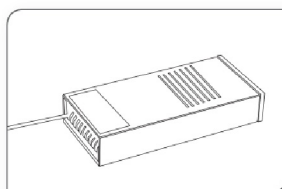
For example: the product is PS6, the max run MAX=40pcs, the power supply is 400W, so the controller load is

$$M = \frac{P \times 0.8}{P_{(module)} \times MAX} = \frac{400 \times 0.8}{0.72 \times 40} \doteq 11 \text{ (pcs)}$$

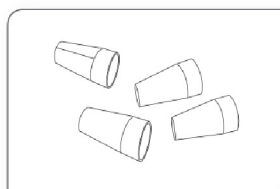
Accessories & Tools



Diagonal Pliers

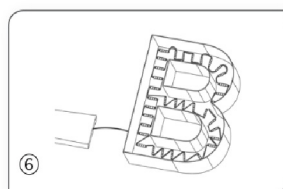
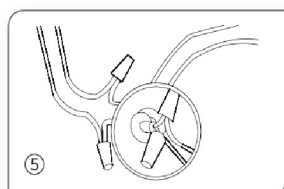
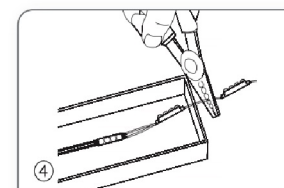
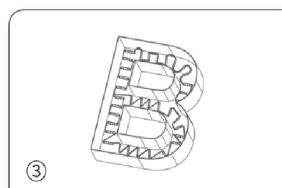
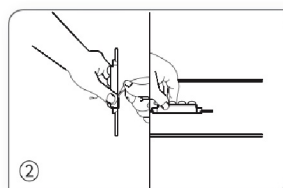
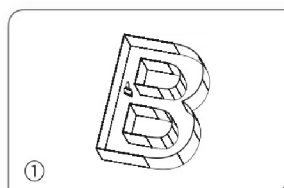


LED power supply



Connection Terminals

Installation steps



- 1.Clean the mounting surface.
- 2.Peel away the release paper on the back of led modules and stick them onto mounting surface.
- 3.Evenly arrange the led modules with appropriate space.
- 4.Cut the modules according to the requirements and treat the cut place with insulation and waterproof arrangement.
 Note: Cut in the middle of the wire.
- 5.If the product needs to be connected, it is better to fix with connection ends.
 Note: Treat the thread with insulation,waterproof, and anti-corrosion arrangement as it cannot pull out by hands.
- 6.Make sure the correct connection of positive and negative poles between led module and power supply.
 Note: Treat the thread with insulation,waterproof, and anti-corrosion arrangement as it cannot pull out by hands.

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Pre- Installation Checklist

Please check that:

- The product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of the wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Make sure that the connection of positive and negative poles between products and power supply is correct. If not , the light won't turn on.
- Make sure that the power cord is firmly screwed into the terminal and can't be removed by hands.
- The terminal should have insulation.waterproof and anti-corrosive treatment.
- If the working length exceeds the maximum run length,make sure to have extra power supply.
- If it needs higher current of a LED, make sure to have extra cooling.

Common Errors and Troubleshoot

Quick Guide		
Problem	Reason	Solution
All LEDs are not lighting up properly	No electric supply	Power on
	Automatic power protection from the open or short circuit in output of the power supply	Fix the short circuit problem
	Wrong connection of power supply.	
Some LEDs are not lighting up	Some of the switching mode power supplies are not powered	Check the power supply system
	Power supply line error	
	Mistaken wire connectivity	Correct the connection
Brightness of LED is inconsistent or insufficient	Power Overloaded	Replace with more powerful power
	Power supply circuit has excessive consumption	Make sure the working voltage of the product is within +- 5% of standard voltage, or keep some balance by circuit power consumption
	Excessive quantities in series connection of the product	Reduce the quantities of the product in the series connection to meet requirement
LED Flickers	Connection point fault	Remove the bad connection point
	Switching Power supply failure	Replace the power supply with a new one
	Wrong installation or use of product	Please follow the instructions

⚠ warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with any sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and allow at least 4 hours in a open environment after operation to dry.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation,waterproof, and anti-corrosion in the installation.
- Use 1 BAWG (0.75mm' cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable needs to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, please do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should only be done by a qualified technician.

Statements and Recycling

Statements:

Repair should be done by a qualified technician, if the external circuit or main line of this product is damaged. The parameters given in this manual are typical values and for reference only. All illustrations and drawings in this manual are for reference only.

This product is subject to change without notice.

Recycling:

LED lighting are electronic products , please follow the relevant WEEE directives for recycling treatment.

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