

Features

- Adopt integral optic lens
- Fully integrated glue filling process, IP68, excellent weather resistance
- Can be used with external controller, achieve full color variations
- Single module cuttable

Application

Suitable for 8-18cm deep light box or advertising channel letter or signage lighting

Installation

Fixed by adhesive tape



Optical & Electrical Parameters

Model No.	Light Color	Color Temperature/ Wavelength(K/nm)	Beam Angle	Luminous Flux (lm/pcs)	Ra	Efficacy (lm/W)	Voltage (V DC)	Power (W/pcs)
PS2	R	620-625	160°	4	/	19	12	0.24
	G	520-525		9		38		0.24
	B	465-470		2		9		0.24
	RGB	30000+		15		21		0.72

Other Parameters

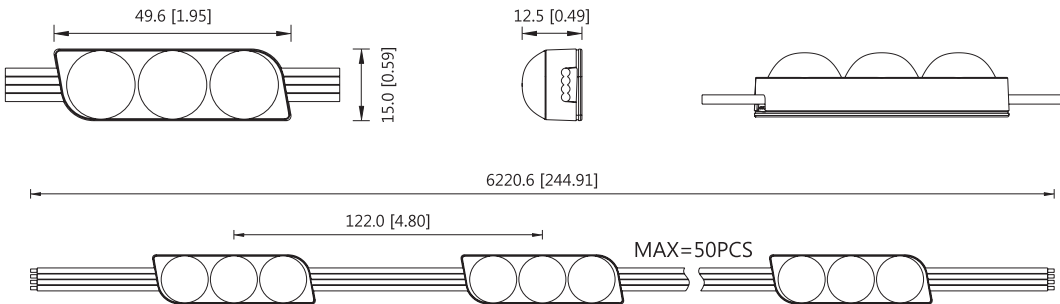
Model No.	LED Qty/pc	Product Size L*W*H(mm)	Standard Run Qty (pcs)	Max Run (pcs)	Working Temperature	Storage Temperature
PS2	3	49.6*15*12.5	50	50	-20~+60℃	-20~+70℃

NOTE:

1. Testing temperature: 25±2℃
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

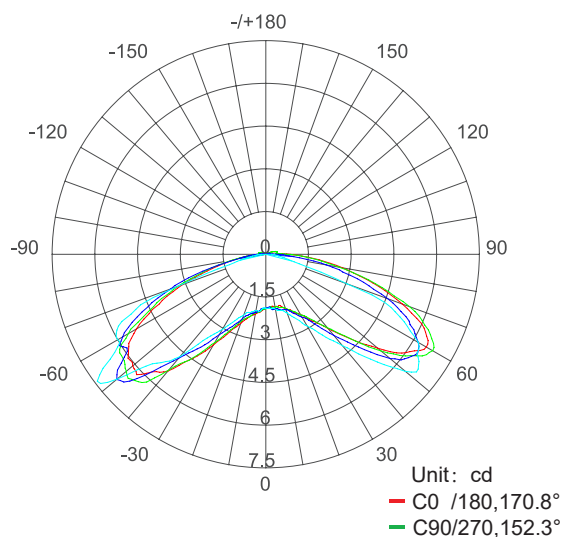
Unit:mm[inch]



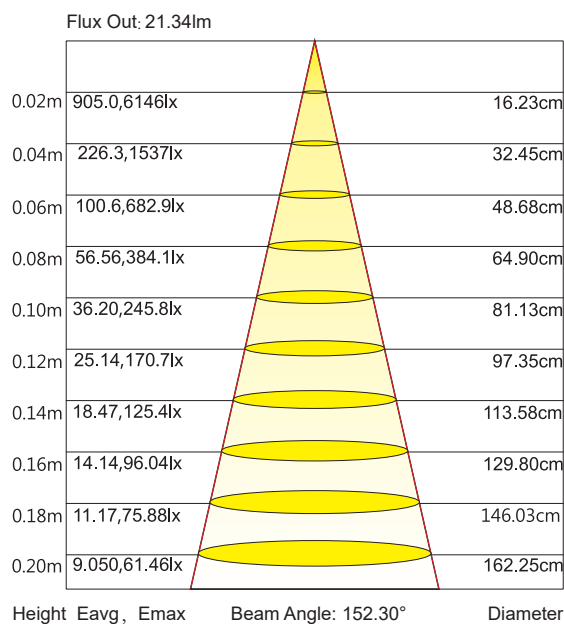
Note: For detailed drawing, please consult sales rep



Luminous Intensity Distribution Diagram



Average Illumination

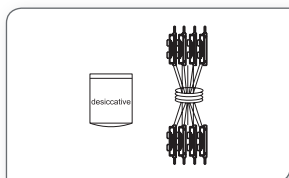


Note: the above two figures are tested with the sample PS2, for other data, please consult sales rep.

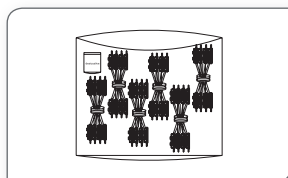
Reliability Test

Test Sort	Test item	Reference Standard	Test condition	Test result
waterproof test	IPXX	IEC60529	underwater depth: 1meter	PASS
Environmental test	PTC test	Blueview Product Warranty Policy	TH=-40~60°C, continuous cycle, every 2 hours per times (normal temperature for 15 minutes, temperature rise and fall for 45 minutes)	
	High Temperature Resistance Test		TH=80°C, continuous lightened up	
	Long-term Indoor Aging Test		TH=25°C, continuous lightened up	
	High Temperature & Humidity Test		TH=85°C, high humidity 85%, continuous lightened up	
	Anti-UV Performance Test		TH=60°C,UVB:280~315nm	
Tensile Test	Tensile Test		fix the module on the test fixture, the cable is fixed under the test fixture, pull evenly at both ends	
Flame Retardant Performance Test	Flame Retardant Performance Test	UL 94	vertical burning test	

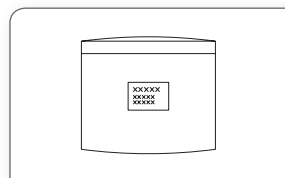
packing



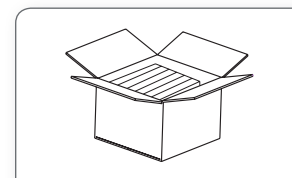
Prepare the desiccant and bind the product.



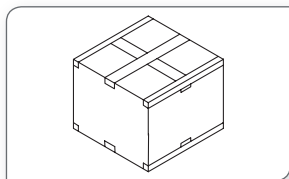
Put the product and desiccant into static shielding bag.



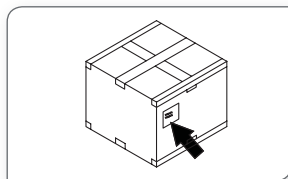
Seal and label the static shielding bag.



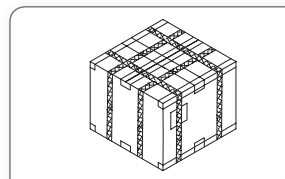
Put the static shielding bag side by side into carton box.



Seal the box.



Label the box;



Use packing belt to pack after adding the edge protectors.

Packaging information

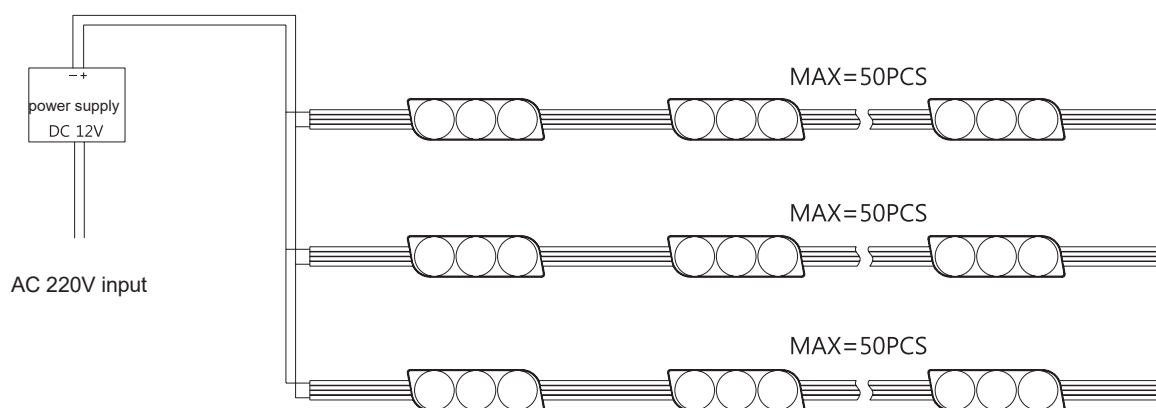
Model No.	Product Size L*W*H(mm)	Carton Size(mm)	pcs/bag	bag/Carton	Net Weight(kg)	Gross Weight(kg)
PS2	49.6*15*12.5	390*390*325	50	20	11.85(1±10%)	13.15(1±10%)

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



Installation

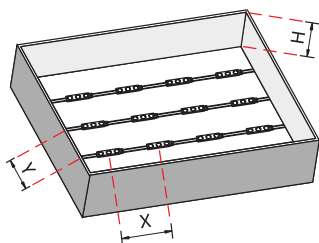
1.Connection Diagram



2.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
PS2	White Soft Film	8	/	/	10*10	10*10	72	OK
		10			8*10	12*10	58	
		12			8*8	12*12	46	
		15			8*8	12*12	46	
		18			8*8	12*12	46	

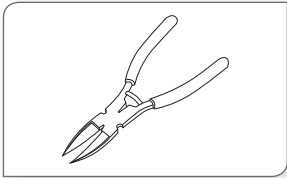
Note:



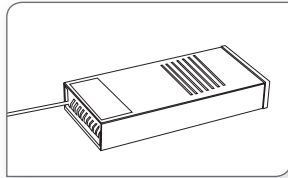
1. X indicates the horizontal center spacing between modules;
2. Y indicates the longitudinal center spacing between modules;
3. Single LED modules are arranged in a square, X=Y.
4. When the depth of light box H>18cm, choosing the above density according to different illumination.
5. Please ask the sales for other data.
6. The cable length can be customized
7. The data above are applied for standard request
8. The data above are based on three colors of PS2 lightened up. If more stricter request, the density of the modules quantity can be enlarged in order to match the actual request.



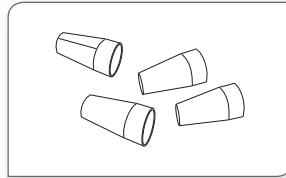
3. Accessories & Tools



Diagonal Pliers

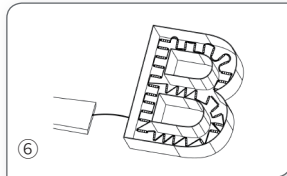
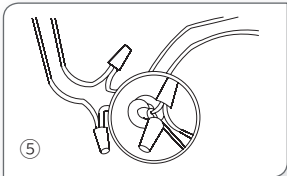
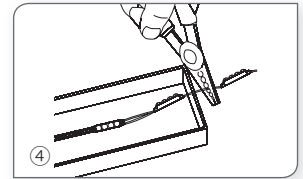
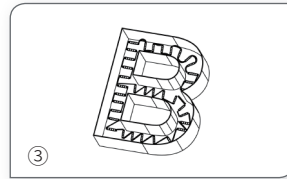
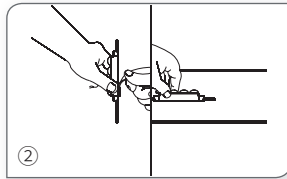
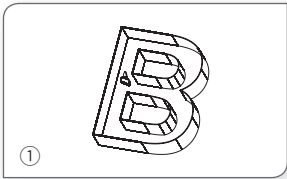


LED power supply



Connection Terminals

4. 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.



Attentions before installation

- Before installation, 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 wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have insulation, waterproof and anti-corrosive treatment.
- After installing the product in the cloth light box, it must be covered with cloth within 48 hours; it is strictly forbidden to use the product without covering it or leave it idle for a long time

Common Faults and Troubleshoot

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	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.	
LEDs can not light on partly.	Some switching mode power supplies are not powered.	Check the power supply system to fix it.
	Power supply line error.	
	Mistaken wire connection of some of products	Correctly connection
Brightness of LED is inconsistent for insufficient.	Power overloaded.	Replace with more powerful power
	Power supply circuit excessive consumption.	Make sure the working voltage of the product within $\pm 5\%$ of standard voltage, or keep balance by circuit power consumption.
	Excessive quantities in series connection of the product	Reduce the quantities of the product in series connection to meet requirement.
LED flicker.	Connection point fault.	Remove bad connection point.
	Switching power supply failure.	Replace a new power supply.
	Wrong Installation or use of products	Please follow the instructions

Warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a 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 it needs to be dried 4 hours in the open environment after operation.
- 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 18AWG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and 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 be operated by a qualified technician.

Statements and Recycling

Statements:

Repair should be operated 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.
This product is subject to change without notice.

Recycling:

LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.