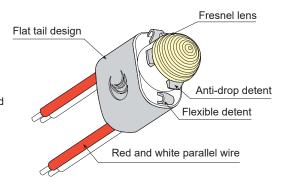


Features

- Using Fresnel lens, the light is more uniform and soft
- Flexible detent design, suitable for light box of thickness 1-3mm
- Use flat tail design, easy to install
- Adopt glue process, good waterproof performance
- Five-year warranty for four colors of white, red, green and blue
- Three-year warranty for five colorsof yellow, orange, pink, ice blue, and rose red



Application

■ Suitable for supermarket lighting, middle & large advertising signage, luminous character on building roof, bars etc

Installation

■ Perforated installation



sales@blueviewled.com



Optical & Electrical Parameters

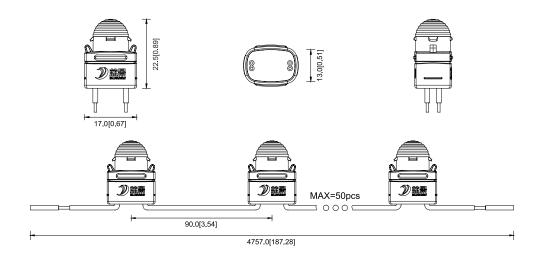
Model No.	Light Color	CCT/Wavelength	Beam Angle	Luminous Flux(Im/pcs)	CRI	Efficacy (lm/W)	Voltage (DC V)	Power (W/pcs)
		6000-7000K		17		90		
	\square w	9000-12000K	130°	16	00.	88	12	0.18
	U W	12000-15000K	130	15	80+	87	12	0.10
		15000-20000K		15		84		
	■ R	620-625		1.5		7.8		0.40
CS2 Pro	■ G	520-525		2		11.1		
C52 P10	■ B	460-465		1.5		7.8		
	□ Y	570-575	130°	11	,	75	12	
	0	600-610	130	5	/	27.8	12	0.18
	□ P	/		7		38.8		
	□ ІВ	475-485		10		52.7		
	□ F	1		1.5		8.3		

Other Parameters

Model No.	LED Qty (pcs)	Standard Run(pcs)	Max Run(pcs)	Working Temperature	Storage Temperature
CS2 Pro	1	50	50	-20~+60°C	-20~+70°C

Profile Drawings

Unit:mm[inch]

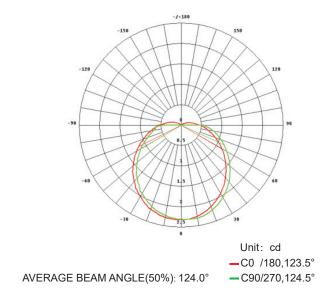


NOTE:for detail drawing, please consult sales rep.

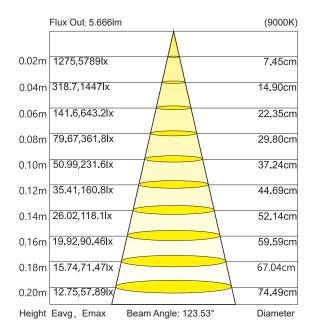




Luminous Intensity Distribution Diagram



Average Illumination



Note: The data of CS2 Pro on above two pictures are tested under the condition of 9000K. Detail information, please contact sales department.



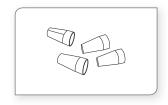


Installation

1.Products and Tools









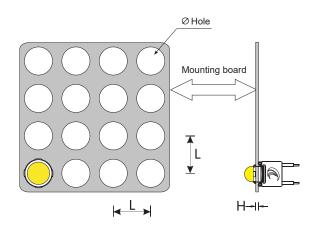
Diagonal Pliers

LED Power Supply

Connection Terminals

Gaffer Tape

2. Mounting board thickness and hole size

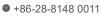


Model No.	CS2 Pro		
"⊘"Hole size(mm)	12		
"L" Distance(mm)	50-80		
"H" Board thickness(mm)	1~3		

Reliability Test

Test name	Test Type	Standard	Test Condition	Result	
	Ptc Test		Test temperature: -40°C— 60°C,2h one cycle(constant temperature: 15 minutes,heating and cooling: 45 minutes)		
Environmental Test	Hot and Cold Shock Test		TH=80°C /4h,TH=-40°C/4h continuous cycle and power on		
	High Temperature Resistance Test	Blueview Standard	TH=80/60°C continuous power on	PASS	
	Anti-Uv Test		TH=60°C, UVB:280~315nm		
	Aging Test		TH=25°C, continuous power on		
Other Test	Flame Retardant Test		In the needle flame tester, the sample was vertically fired for 10 seconds, and then observe the self extinguishing time of the test sample		



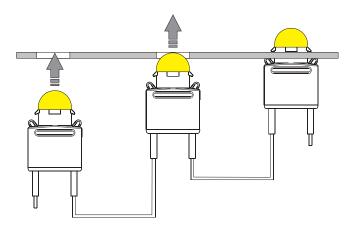


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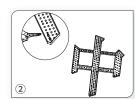
3.Installation Steps

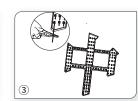
Through-hole installation

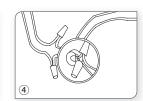


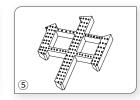
Exposed channel letters installation











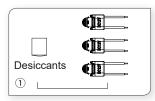
- 1. Clean the mounting surface.
- 2. Put the through-hole LED module into the reserved hole.
- 3. Cut the modules according to the requirements and treat the cut place with insulation and waterproof arrangement.
- 4. If the product needs to be connected, it is better to fix with connection ends.

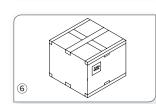
2

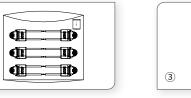
5. After that, light on for test.

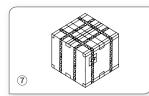
Note: Treat the wire end with insulation, waterproof, and anti-corrosion measure, until it cannot pull out by hands.

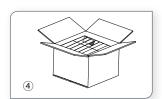
packing

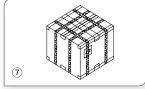






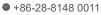






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THROUGH-HOLE LED MODULE CS2 Pro



- 1. Prepare the desiccant and bind the product.
- 2. Put the product and desiccant into static shielding bag.
- 3. Seal and label the static shielding bag.
- 4. Put the static shielding bag side by side into carton box.
- 5. Seal the box.
- 6. Label the box.
- 7. 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)
CS2 Pro	17*13*22.5	380*380*325	300	16	13.55(1±10%)	15.75(1±10%)

NOTE:

The product is sealed in static shielding bag and packed in a special designed box

The above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.

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.
- $\hfill\blacksquare$ The terminal should have insulation,waterproof and anti-corrosive treatment.





Common Faults and Troubleshoot

Quick Guide					
Problems	Reasons	Solutions			
	No electric supply.	Power on			
All LEDs can not light 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.	Charletha navyar synally system to fiv it			
	Power supply line error.	Check the power supply system to fix it.			
	Mistaken wire connection of some of products	Correctly connection			
Brightness of LED is inconsistent tor insufficient.	Power overloaded.	Replace with more powerful power			
	Power supply circuit excessive consumption.	Make sure the working voltage of the product within ±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.			
	Connection point fault.	Remove bad connection point.			
LED flicker.	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.

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