



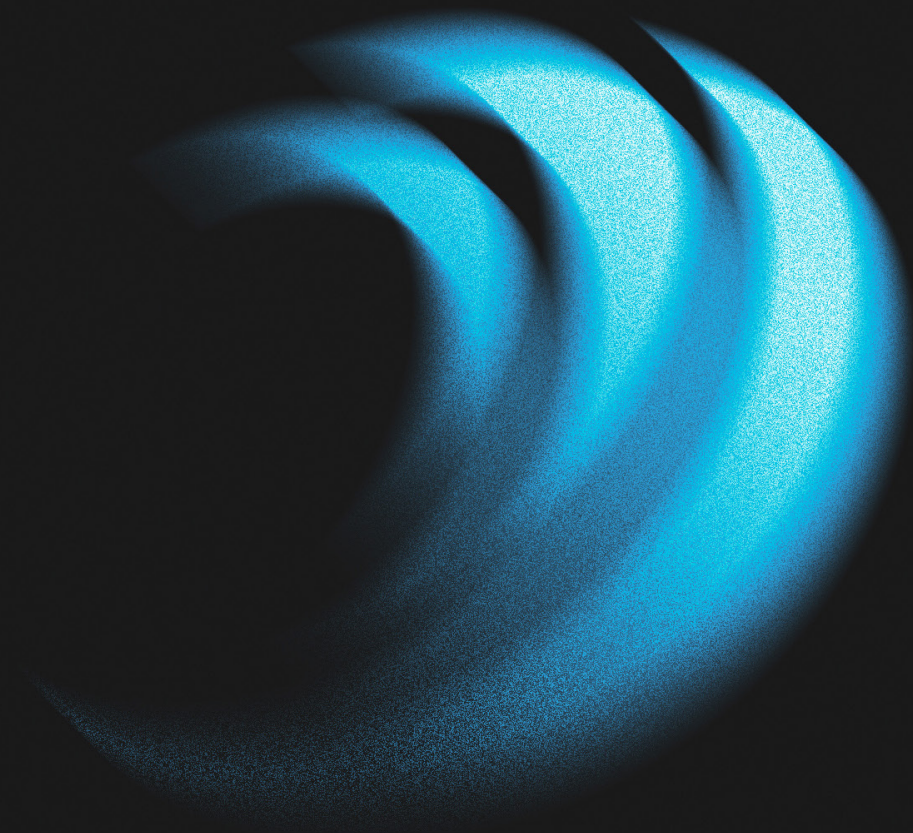
LED

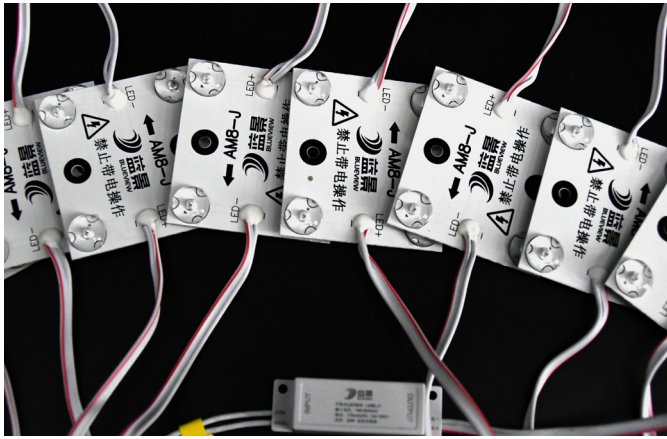
MODULE

AM8-J

AC 220V

High Voltage





AM8-J | HIGH VOLTAGE

FEATURES

Less module required per sq.m;
High voltage input;
Anti-lightning surge 1.5kv;
Do not support dimming;

APPLICATION

Suitable for more than 6-18cm depth advertising light boxes, stretch ceilings, etc.



OPTICAL & ELECTRICAL PARAMETERS

Model No.	Voltage	Ra	Color	CCT(K)	Typical Luminous Flux Value (Lm/pcs)	Efficacy(Lm/W)	Power (W/pcs)
AM8-J	220V AC	>80	W	4000	315	105	3
		>80		5000			
		>80		6500			
		>70		12000			

OTHER PARAMETERS

Model No.	LED Qty/pc	Product Size	Standard Run	Max Run
AM8-J	4	66*61*6mm	8pcs	8pcs

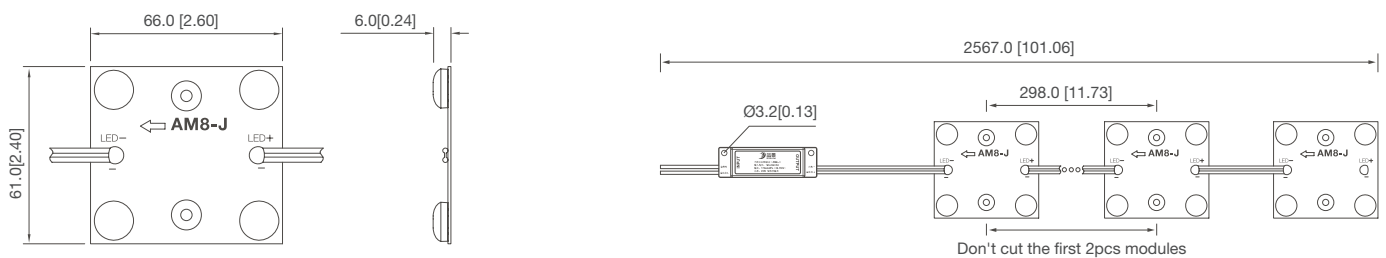
☐ Working Temperature: -20~+60°C ☐ Storage Temperature: -20~+70°C

NOTE:

- Test environment temperature : 25±2°C.
- Figures above are typical figures. Actual figures could be different with typical figures, and the data is subject to change without notice.
- The above luminous flux is based on corresponding light colors.
- The color temperature and luminous flux may vary when different LED chips are selected.
- Power and luminous flux tolerance within ±10%.

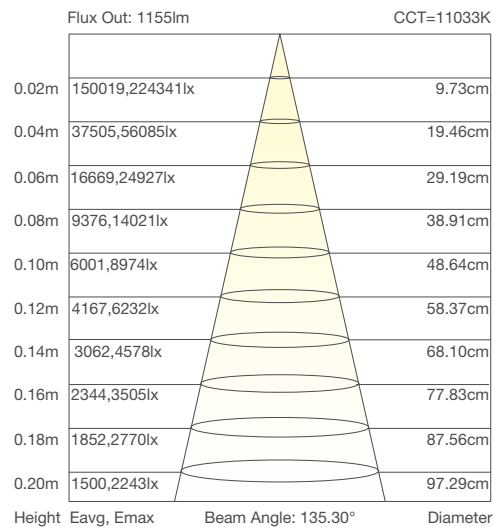
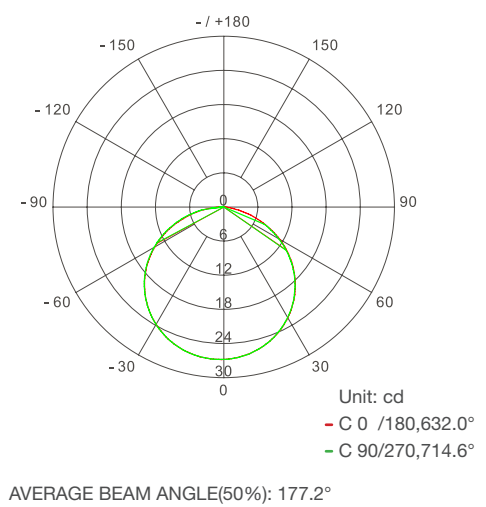
PROFILE DRAWINGS

Unit: mm[inch]



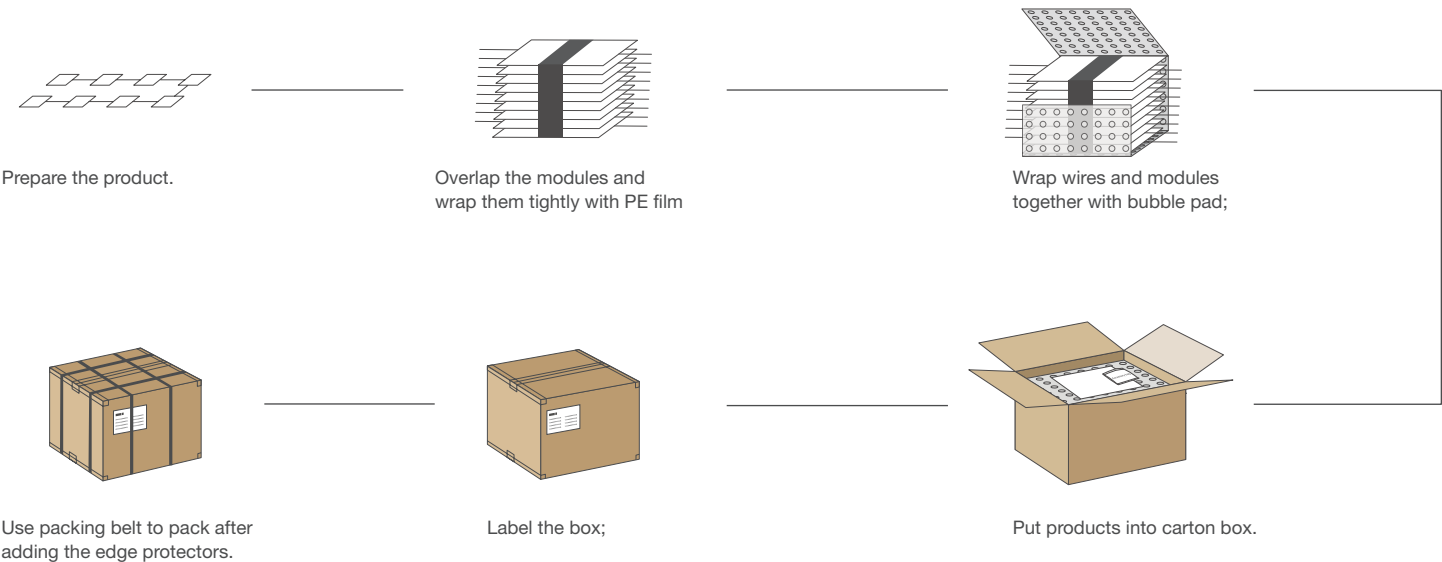
Note:

Dimension tolerance: length±0.2mm[0.008inch], width±0.2mm[0.008inch],thickness±0.2mm[0.008inch];
For more info, please contact sales rep.



Note: the above two figures are tested with the sample AM8-J at 11033K,for other data,please consult sale rep.

PACKAGING INFORMATION



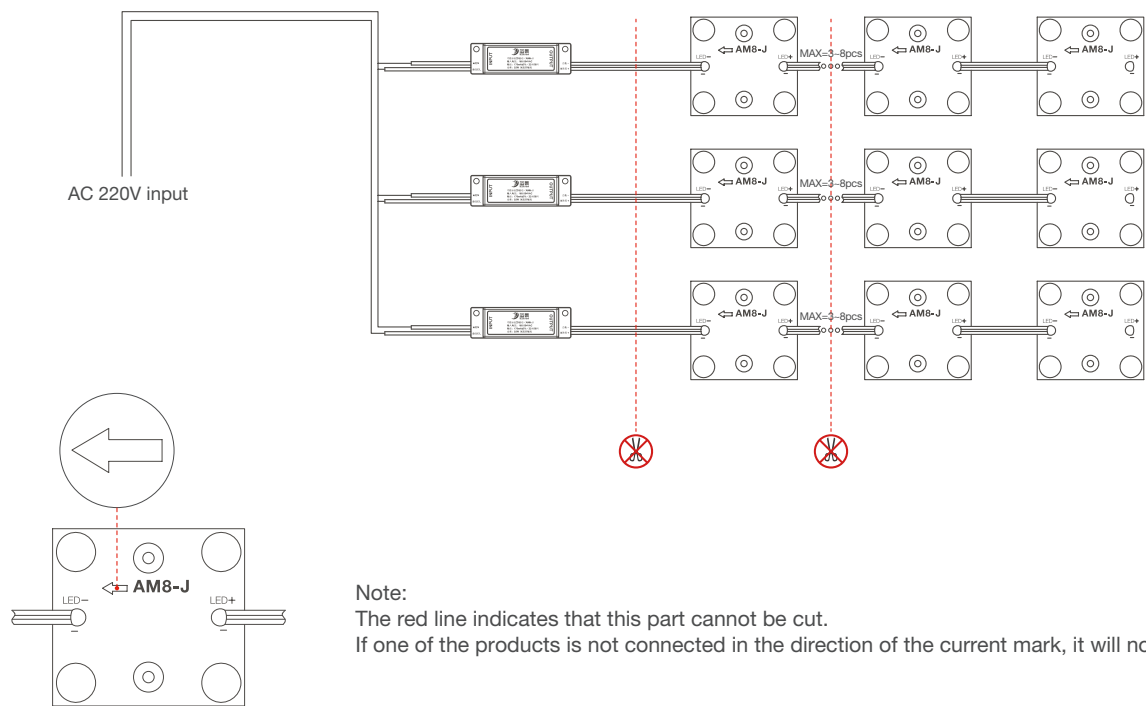
Model No.	Product Size L*W*H	Carton Size	PCS/Bag	Bag/Carton Box	Net Weight (kg)	Gross Weight (kg)
AM8-J	66*61*6mm	380*380*345mm	8	80	12.00 (1±10%)	13.50 (1±10%)

NOTE:

The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

INSTALLATION

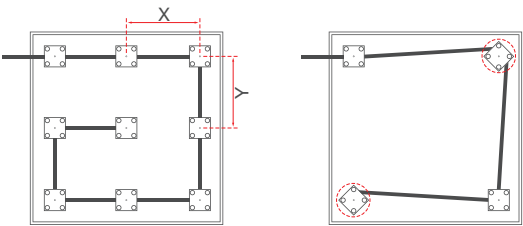
Connection Diagram



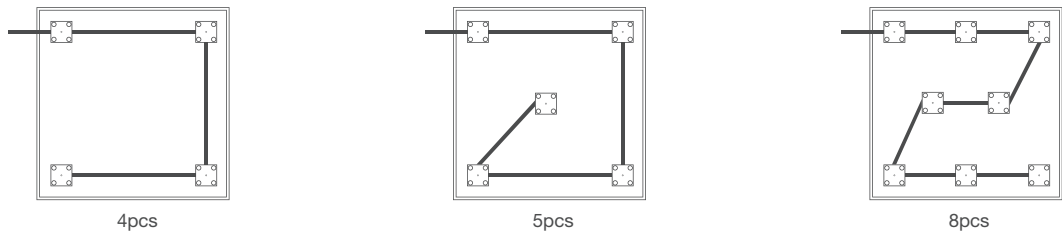
Model No: AM8-J

Surface Material	Depth (H)cm	Illumination (lux)	Evenness	Density (pcs/m²)	Spacing (X*Y)cm	Power Density (W/m²)	Visual Effects
White Soft Film	6	6610-7960	0.83	5*4	20*25	60	OK
	8	4390-5290	0.83	4*4	25*25	48	
	10	4090-4810	0.85	4*4	25*25	48	
	12	1860-2220	0.84	3*3	30*30	27	
	15	1660-1925	0.86	3*3	30*30	27	
	18	1400-1600	0.88	3*3	30*30	27	

- Note:
- X indicates the horizontal center spacing between modules;
 - Y indicates the longitudinal center spacing between modules;
 - Single LED modules are arranged in a square, X=Y.
 - When the depth of lightbox H>18cm, use more products to satisfy Illumination demand
 - For other data,Please consult sales rep.
 - Customized wire length available.
 - The above data is for common demand , you can increase the density for actual demand.
 - The module rotates around the center point does not change use effect, see the figure below.



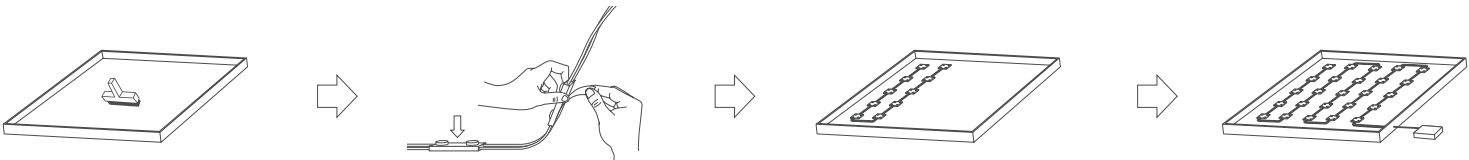
COMMON ARRANGEMENTS



ACCESSORIES & TOOLS



INSTALLATION STEPS



- 1. Clean the mounting surface free of dust and debris.
- 2. Peel away the self adhesive tape on the back of product and mount it onto the lightbox bottom.
- 3. Prefix the product and make sure it is flat and evenly arranged in light box.
- 4. Fix the product with screws and check and ensure correct wiring, then power on for self-test.

ATTENTIONS BEFORE INSTALLATION

- Before installation, please check whether the parameters of the product are consistent with the requirements (Seeing the Product Specification or Label).
- The voltage, current, and power of the power supply and load used must be consistent with this product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Product wires must be correctly connected to the positive and negative terminals of the power output, otherwise the light will not turn on.
- The power cord should be tightly screwed into the terminal, with a recommended tightness that cannot be pulled out by hand.
- The connection terminals must be effectively waterproof and corrosion-resistant.
- **After installing this product in the lightbox, cover with fabric within 48 hours. Avoid leaving it unused or idle for extended periods.**
- **When using our high-voltage products, you need to use our surge protector to prevent damage from surge current.**

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.

Version	Content	Date
A1.1	First release	2024-6-26

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