

Features

- 1. Self designed lens with 170°beam angle for uniform light
- 2. High-end design, requiring fewer products per unit area
- 3. Single module cuttable
- 4. Adopt 2835 LED

Application

Suitable for 8-20cm depth advertising light box, stretch ceiling and ceiling light box, background wall and irregular light box.

Installation

Fix by screws



Specification

| Model No. | Light Color | Color Temperature(K) | Beam Angle | Typical Luminous Flux value(lm/pcs) | CRI | Efficacy (lm/W) | Voltage (V DC) | Power (W/pcs) |
|-----------|-------------|----------------------|------------|-------------------------------------|-----|-----------------|----------------|---------------|
| M8-B | W | 8000-9000 | 170° | 388 | 80+ | 97 | 12 | 4 |

Other Parameters

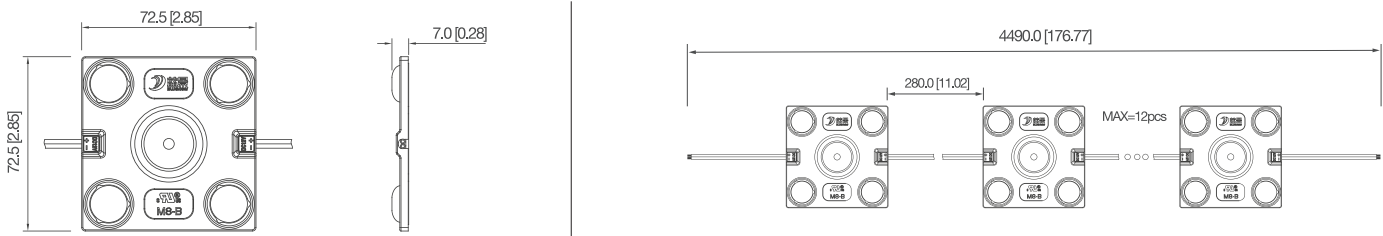
| Model No. | Quantity (LED Qty/pc) | Product Size L*W*H(mm) | Standard Run (pcs) | Max Run(single feed) (pcs) | Working Temperature | Storage Temperature |
|-----------|-----------------------|------------------------|--------------------|----------------------------|---------------------|---------------------|
| M8-B | 4 | 72.5*72.5*7.0 | 12 | 12 | -20~+60°C | -20~+70°C |

NOTE:

Test environment temperature : 20±2°C.
 The above data is typical values. The actual data of each single product may differ from the typical values. The data is subject to change without notice.
 The luminous flux is tested with single color light on.
 Different color temperature will make luminous flux different.
 The luminous flux and power tolerance within ±10%.

Profile Drawings

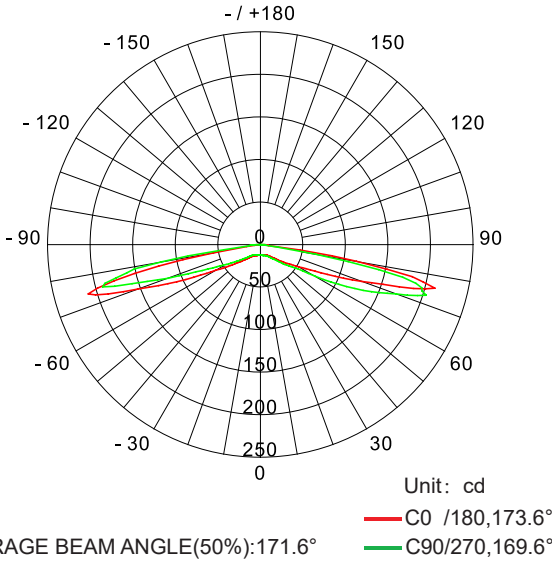
Unit:mm[inch]



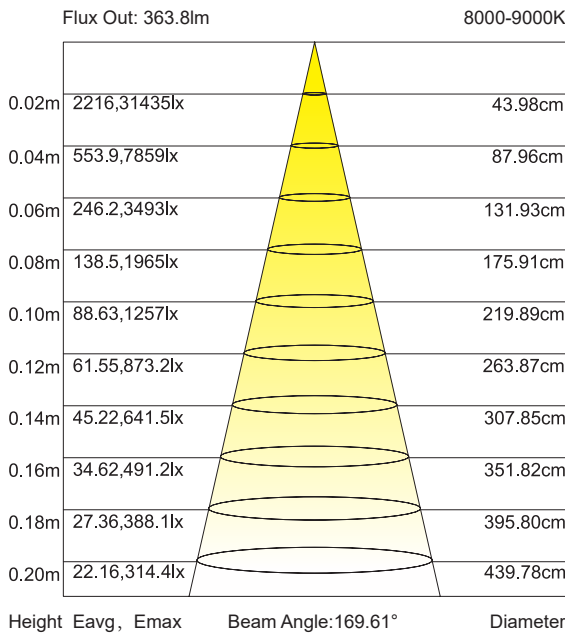
Note: for detail drawing, please consult sale rep.



Luminous Intensity Distribution Diagram



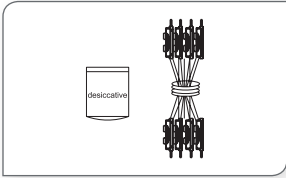
Average Illumination



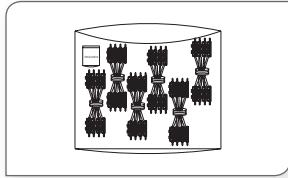
NOTE:The above two figures are tested with the sample M8-B at 8000-9000K, for other data, please consult sales rep.



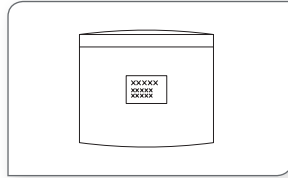
packing



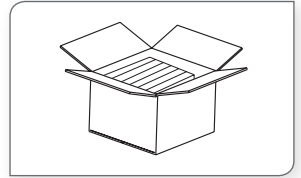
Prepare the desiccant and bind the product.



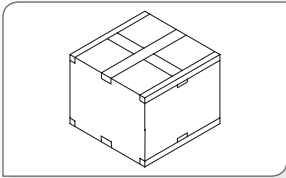
Put the product and desiccant into static shielding bag.



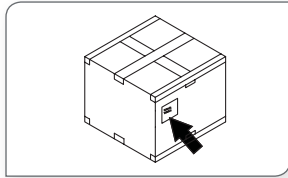
Seal and label the static shielding bag.



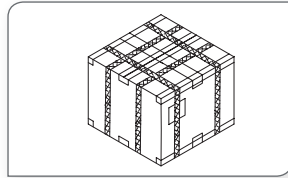
Put the static shielding bag side by side into carton box.



Seal the box.



Label the box;



Use packing belt to pack after adding the edge protectors.

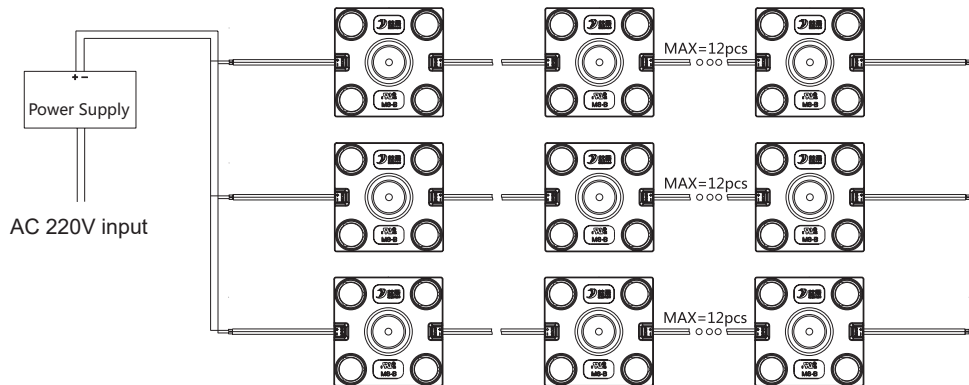
Packaging information

| Model No. | Product Size L*W*H(mm) | Carton Size(mm) | PCS/Bag | Bag/Carton Box | Net Weight(kg) | Gross Weight(kg) |
|-----------|------------------------|-----------------|---------|----------------|----------------|------------------|
| M8-B | 72.5*72.5*7.0 | 390*390*325 | 24 | 16 | 12.50(1±10%) | 13.80(1±10%) |

Note: For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

Installation

Connection Diagram



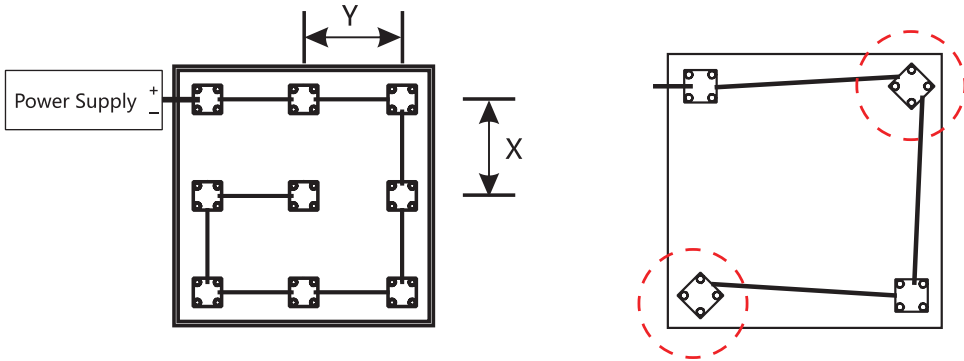


Installation Reference

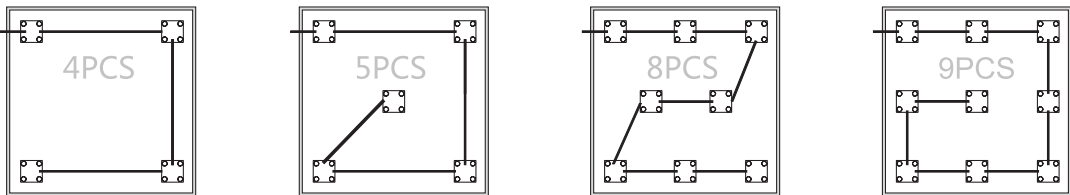
| Model No | Surface Material | Depth (cm) | Illumination (lux) | Evenness | Density (pcs/m ²) | Spacing (X*Y)cm | Power Density (W/m ²) | Visual Effects |
|----------|------------------|------------|--------------------|----------|-------------------------------|-----------------|-----------------------------------|----------------|
| M8-B | White Soft Film | 8 | 5670-6840 | 0.83 | 6*6 | 16*16 | 144 | OK |
| | | 10 | 3680-4330 | 0.85 | 5*5 | 20*20 | 100 | |
| | | 12 | 2690-3120 | 0.86 | 4*4 | 25*25 | 64 | |
| | | 15 | 1960-2280 | 0.86 | 3*3 | 33*33 | 36 | |
| | | 18 | 1682-1889 | 0.89 | 3*3 | 33*33 | 36 | |
| | | 20 | 1567-1704 | 0.92 | 3*3 | 33*33 | 36 | |

Note:

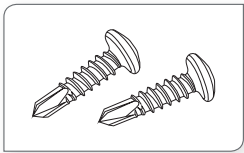
1. X indicates the horizontal center spacing between modules;
2. Y indicates the longitudinal center spacing between modules;
3. Single LED modules are arranged in a square, X=Y.
4. When the depth of lightbox H>20cm, use more products to satisfy Illumination demand
5. For other data, Please consult sales rep.
6. Customized wire length available.
7. The above data is for common demand , you can increase the density for actual demand.
8. The module rotates around the center point does not change use effect, see the figure below.



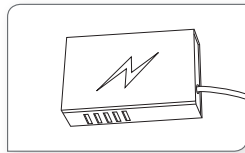
Common Arrangements



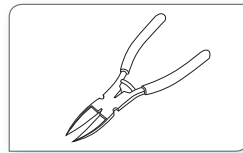
Accessories & Tools



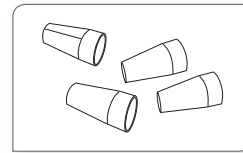
Screw(M4)



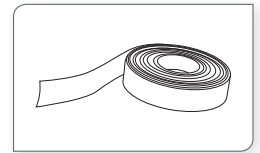
LED power supply



Diagonal pliers

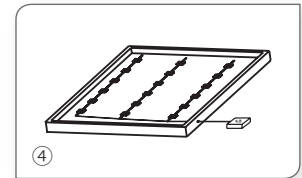
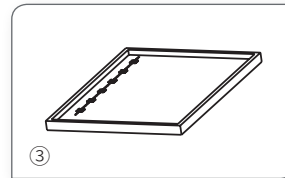
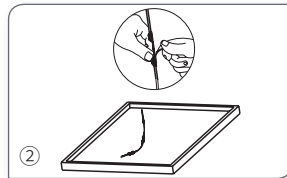
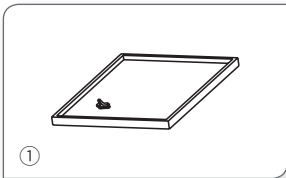


Connection terminal



Insulation tape

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, 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 installation, the fabric light box must be covered with cloth within 48 hours. Please avoid leaving the light box idle for a long time.

Common Faults and Troubleshoot

| Quick Guide | | |
|---|--|--|
| Problems | Reasons | Solutions |
| All LEDs can not light on. | No electric supply. | Fix the short circuit problem. |
| | Automatic power protection from the open or short circuit in output of the power supply. | |
| | Wrong connection of power supply. | |
| LEDs can not light on partly. | Some switching mode power supplies are not powered. | Correctly connection. |
| | Power supply line error. | |
| | Mistaken wire connection of some of products | |
| 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 $\pm 5\%$ 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 24 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.