

Features

- Adopt integrated optical lens, exquisite appearance, super cost-effective;
- Using ultrasonic waterproof technology;
- A single module can be cut, easy to install;
- Support customization;

Application

Suitable for advertising letters with depth greater than 4.5cm and different widths.

Installation

Fix by adhesive tape or screws

Specification

| Model No. | Light Color | Color Temperature(K) | Beam Angle | Typical Luminous Flux value(lm/pcs) | Ra | Efficacy (lm/W) | Voltage (V DC) | Power (W/pcs) |
|-------------|-------------|----------------------|------------|-------------------------------------|-----|-----------------|----------------|---------------|
| AV0101BET-E | W | 2800-3200 | 165° | 98 | 80+ | 98 | 12 | 1.0 |
| | | 3800-4200 | | 100 | | 100 | | |
| | | 6000-6500 | | 100 | | 100 | | |
| | | 9000-11000 | | 100 | | 100 | | |

Other Parameters

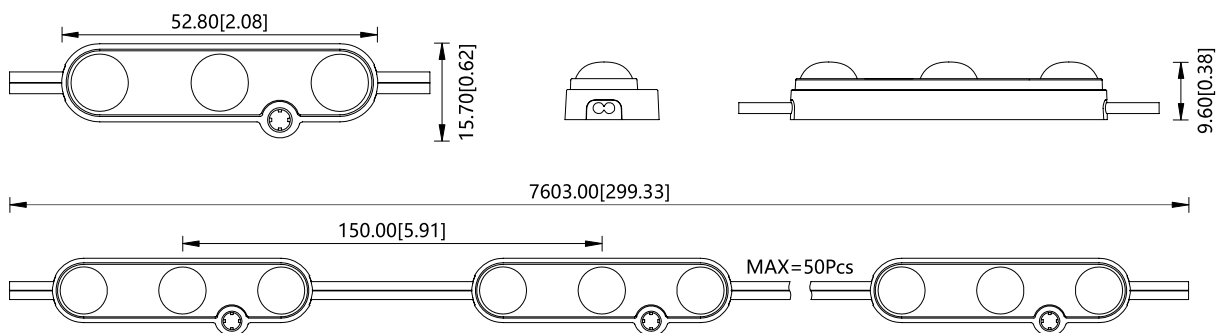
| Model No. | Quantity (LED Qty/pc) | Product Size L*W*H(mm) | Standard Run (pcs) | Max Run(single feed) (pcs) | Working Temperature | Storage Temperature |
|-------------|-----------------------|------------------------|--------------------|----------------------------|---------------------|---------------------|
| AV0101BET-E | 3 | 52.8*15.7*9.6 | 50 | 50 | -20~+60°C | -20~+70°C |

NOTE:

1. Test environment temperature : 25±2°C.
2. Figures above are typical figures. Actual figures could be different with typical figures, and the data is subject to change without notice.
3. Different color temperature will make luminous flux different.
4. Power tolerance within ±10%.
5. The "Quantity"above means the LED quantity of single module

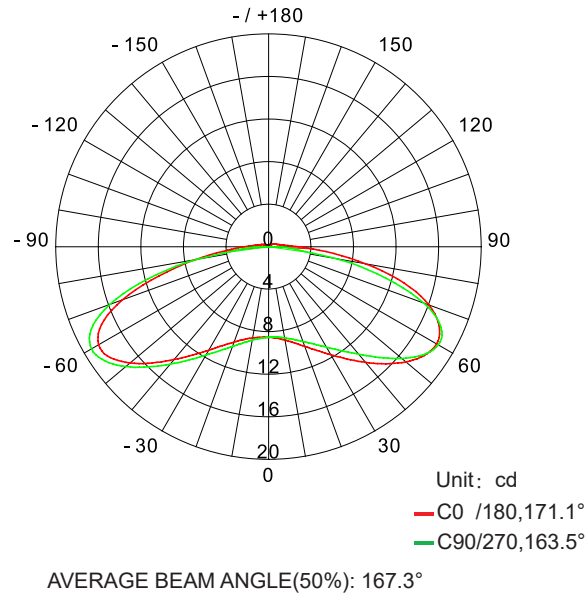
Profile Drawings

Unit:mm[inch]

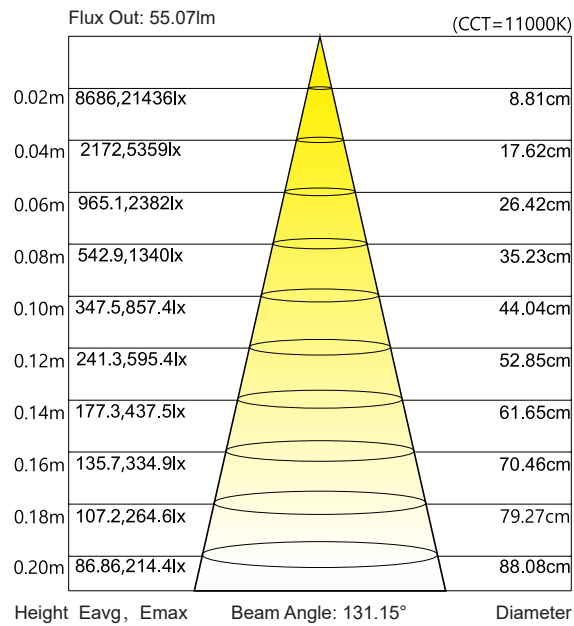


Note: For detail drawing, please consult sale rep.

Luminous Intensity Distribution Diagram

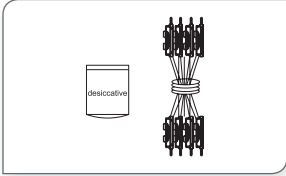


Average Illumination

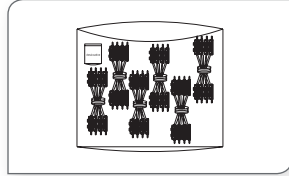


Note: the above data is tested with PT9-3 at 11000K. For other data, please consult sale rep.

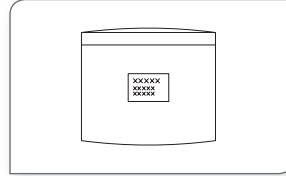
packing



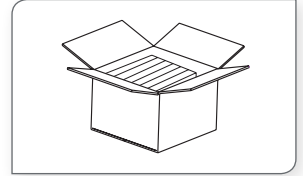
Prepare the desiccant and bind the product.



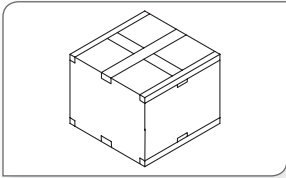
Put the product and desiccant into static shielding bag.



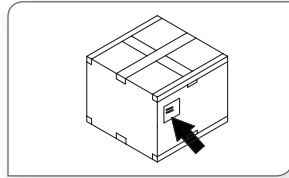
Seal and label the static shielding bag.



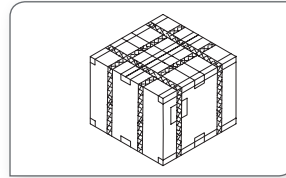
Put the static shielding bag side by side into carton box.



Seal the box.



Label the box;



Use packing belt to pack after adding the edge protectors.

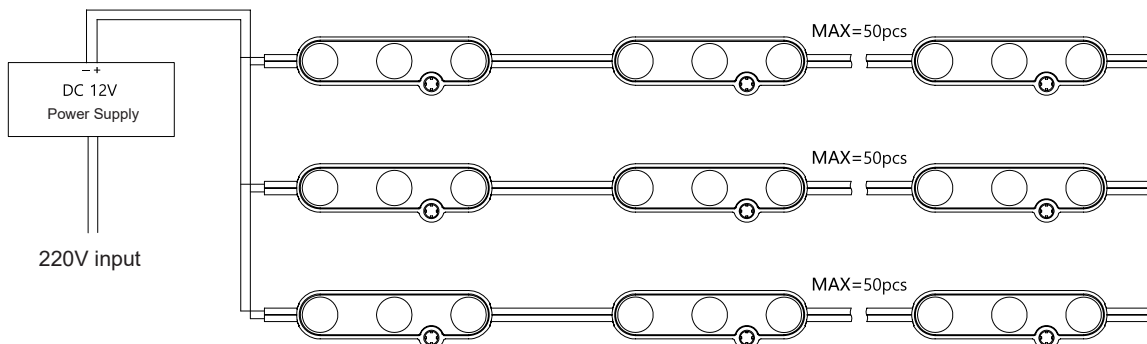
Packaging information

| Model No. | Product Size L*W*H(mm) | Carton Size(mm) | PCS/Bag | Bag/Carton Box | Net Weight(kg) | Gross Weight(kg) |
|-------------|------------------------|-----------------|---------|----------------|----------------|------------------|
| AV0101BET-E | 52.8*15.7*9.6 | 390*390*325 | 100 | 20 | 12.48(1±10%) | 13.85(1±10%) |

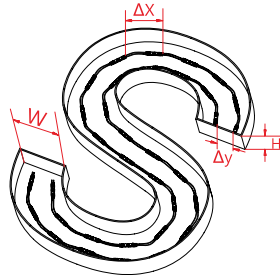
Note:
Packing materials: static shielding bag and carton box.
The above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.

Installation

Connection Diagram



Irregular light box (Font logo, etc)



Test Data

AV0101BET-E / Single-row

| Depth(H) cm | Illumination (lux) | Font width (W) | Spacing (ΔX) | Visual Effects |
|----------------|-----------------------|-------------------|---------------------------|-------------------|
| 4.5 | 11250-13100 | 6cm | 6cm | OK |
| 6 | 3350-4000 | 11cm | 12cm | |
| 7 | 3050-3650 | 11cm | 14cm | |
| 8 | 2790-3200 | 11cm | 14cm | |
| 10 | 1570-1830 | 16cm | 14cm | |

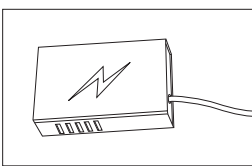
AV0101BET-E / Double-row

| Depth(H) cm | Illumination (lux) | Font width (W) | Spacing (ΔX) | Spacing (ΔY) | Visual Effects |
|----------------|-----------------------|-------------------|---------------------------|---------------------------|-------------------|
| 4.5 | / | / | / | / | OK |
| 6 | 7050-7760 | 11cm | 14cm | 2.5 | |
| 7 | 6320-7100 | 11cm | 14cm | 2.5 | |
| 8 | 5500-6530 | 11cm | 14cm | 2.5 | |
| 10 | 3010-3450 | 16cm | 14cm | 4cm | |

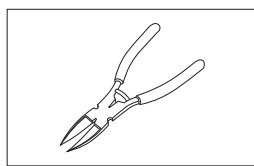
Note:

The above data are obtained when PT9-3 uses a white bottom material and a 3mm acrylic plate as the transparent material at the bottom of the lamp box;
For illuminance data of other depths or illuminance data of other models, please contact the salesperson for requirements
The above figure is only a schematic diagram. Please refer to the real object for detail

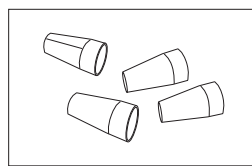
Accessories & Tools



LED power supply



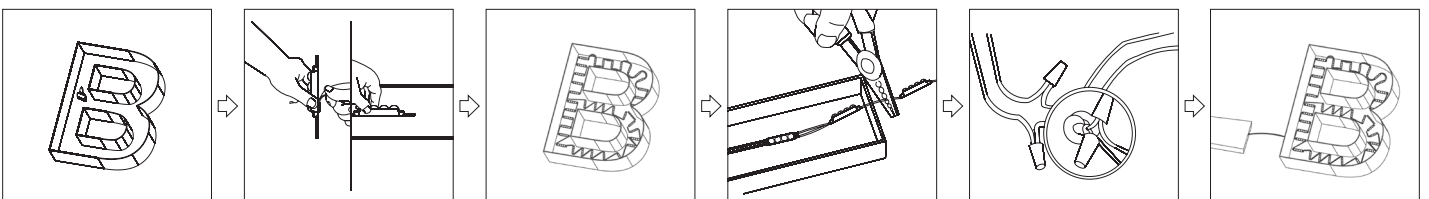
Diagonal pliers



Connection terminal

Installation steps

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 fabric light box must be covered with cloth within 48 hours and avoid long-term idle after installed.

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 |