

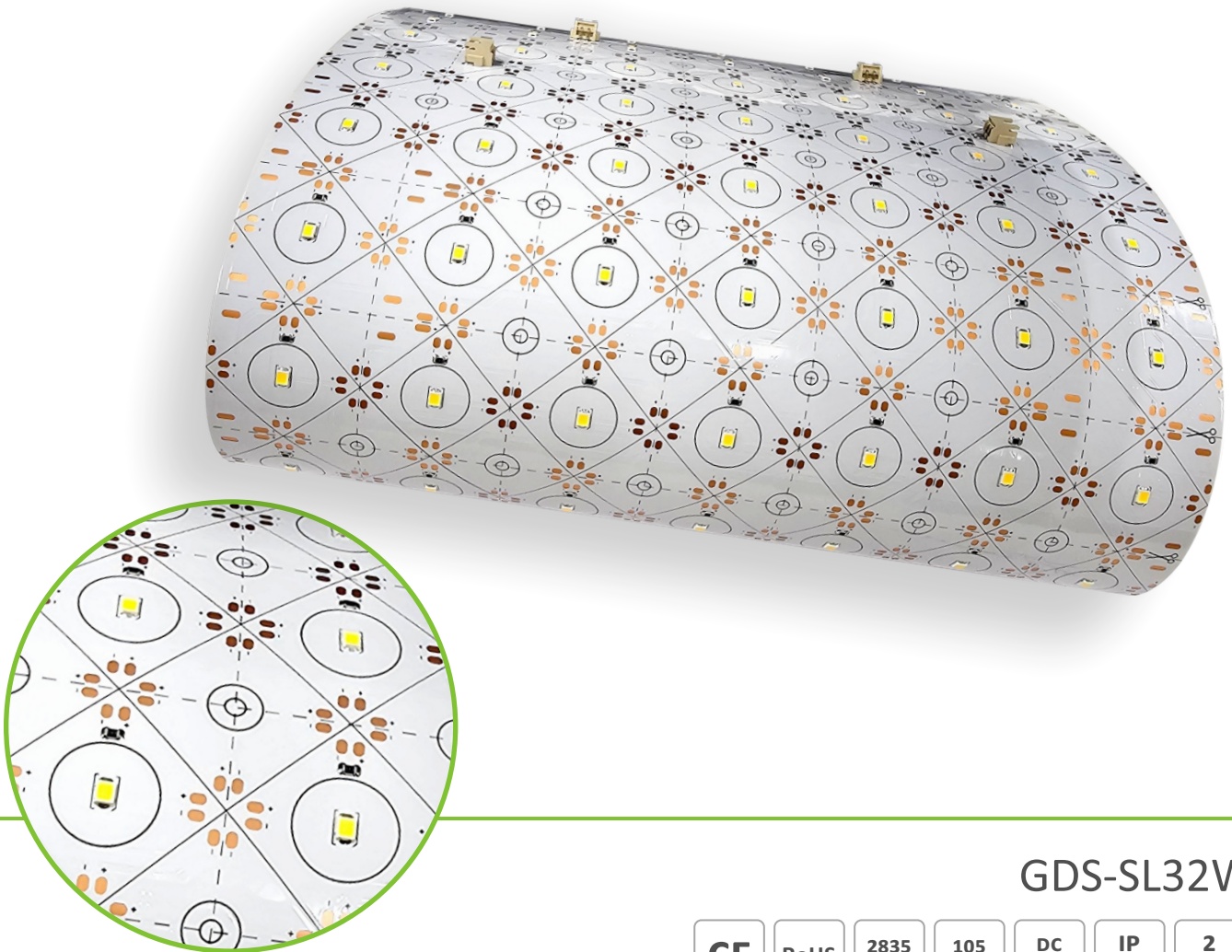
## PRODUCT DATA SHEET

MODE : 12/24V-2835-24W

COLOR : 2700K-12000K

503\*235MM

CONSTANT VOLTAGE 12/24DC MODULES



**GDS-SL32W**

|           |             |                     |                     |                   |                  |                                 |
|-----------|-------------|---------------------|---------------------|-------------------|------------------|---------------------------------|
| <b>CE</b> | <b>RoHS</b> | <b>2835<br/>SMD</b> | <b>105<br/>LEDS</b> | <b>DC<br/>12V</b> | <b>IP<br/>20</b> | <b>2<br/>YEARS<br/>WARRANTY</b> |
|-----------|-------------|---------------------|---------------------|-------------------|------------------|---------------------------------|

## PRODUCT FEATURES

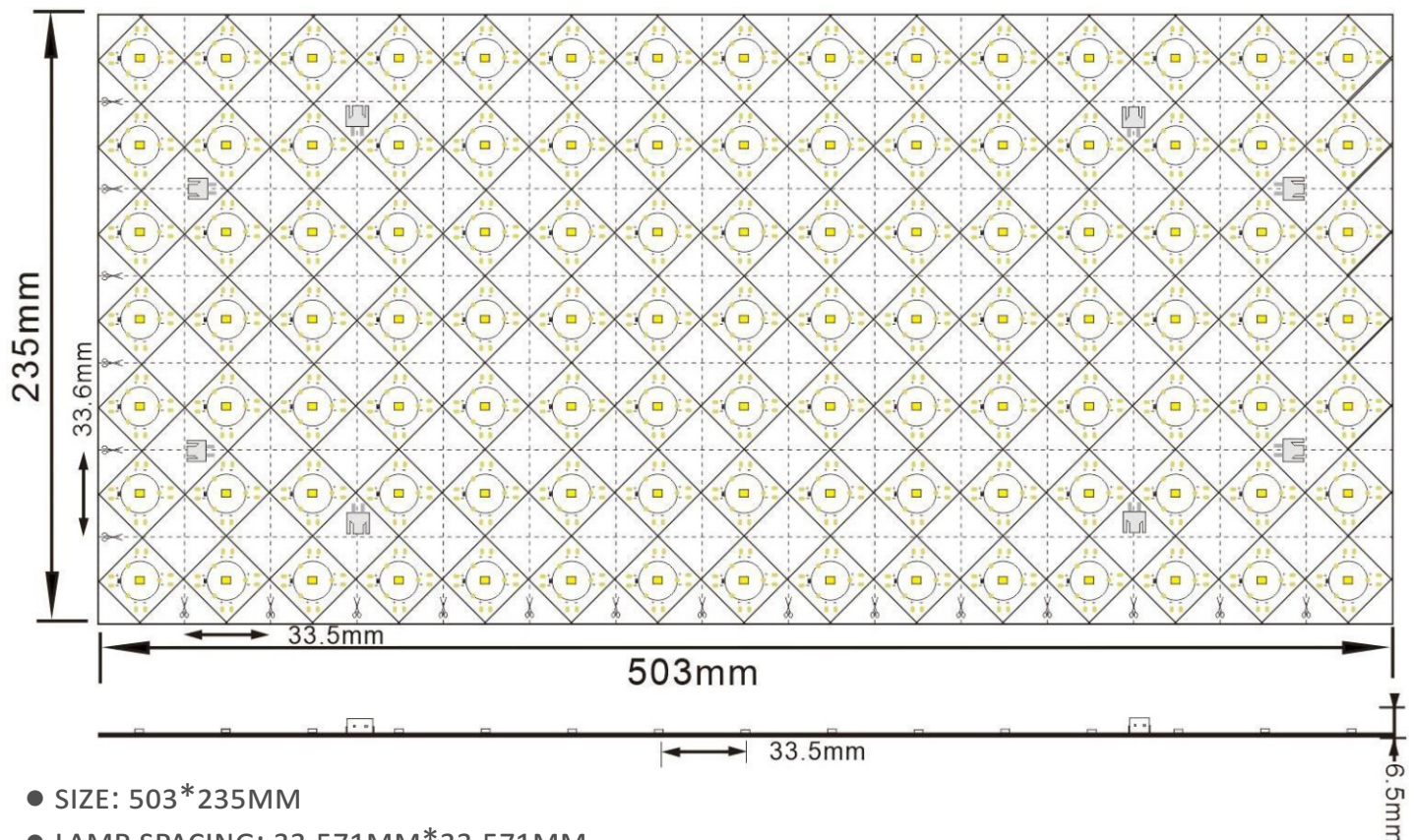
- BEAUTIFUL, HIGH-END, GENEROUS AND ELEGANT.
- SINGLE LED CAN BE CUT TO DIFFERENT SIZES, MAKING INSTALLATION EASIER.
- EACH SMALL MODULE HAS MULTIPLE WELDING POINTS FOR WIRES, MAKING WIRING AND ROUTING CONVENIENT AND SIMPLE.
- IT USES FPC SOFT BOARD PCB, WHICH CAN BE BENT AND IS SUITABLE FOR ROUND LIGHT BOXES.
- IT USES A SINGLE-SIDED FPC BOARD .
- OPTIONAL COLORS (PURE WHITE, WARM WHITE, COOL WHITE).
- 2 YEARS WARRANTY

## APPLICATIONS

- SUITABLE FOR HOTEL, SHOPPING-MALL, STORE,AIR PORT, SUBWAY STATION ETC,. ALSO CAN USE FOR INDIRECT LIGHTING OR DECORATION LIGHTING.

## DIMENSION

UNIT IN MM



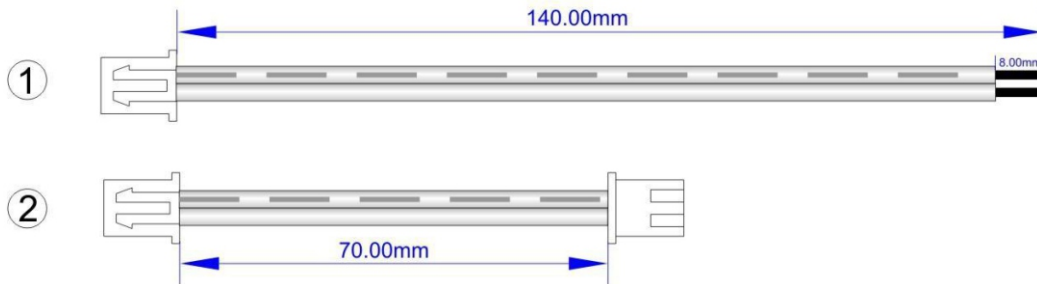
- SIZE: 503\*235MM
- LAMP SPACING: 33.571MM\*33.571MM,
- THE DOTTED LINE IS A TRIMMABLE LINE, AND THE OBLIQUE LINE IS AN OPTIONAL TRIMMABLE LINE.
- EIGHT TERMINALS



TECHNICAL PARAMETERS

|                                              |                                                                                         |
|----------------------------------------------|-----------------------------------------------------------------------------------------|
| MODEL                                        | GDS-SL32W-4K                                                                            |
| DESCRIBE                                     | 105-LAMP 32WFPC MODULE                                                                  |
| COLOR                                        | WHITE (2700-12000K)<br>R (620-625NM)<br>G (515-520NM)<br>B (465-470NM)<br>Y (590-591NM) |
| CUTTING METHOD                               | ONE LIGHT, ONE GROUP, ONE CUT                                                           |
| OPERATING VOLTAGE/POWER                      | DC12V/DC24V / 24W                                                                       |
| LUMINOUS FLUX                                | 2200-2600LM ( WHITE LIGHT )                                                             |
| LIGHT EFFECT                                 | 100-110 LM/W (WHITE LIGHT)                                                              |
| LIGHTING ANGLE                               | 120°                                                                                    |
| LED SPACING                                  | 33.57 * 33.57 MM                                                                        |
| PRODUCT SIZE                                 | 50 3 X235X 1 MM 50 3 X235X 6.8 MM (INCLUDING TERMINAL SIZE)                             |
| LED TYPE                                     | 2835 SMD                                                                                |
| NUMBER OF LEDS                               | 105 LED                                                                                 |
| DISPLAY INDEX                                | >80                                                                                     |
| SIZE                                         | 50 3 X235X 1 MM                                                                         |
| WATERPROOF GRADE                             | IP20                                                                                    |
| OPERATING TEMPERATURE<br>STORAGE TEMPERATURE | -30°C - 50°C<br>-30°C - 80°C                                                            |
| WARRANTY                                     | 2 YEARS                                                                                 |

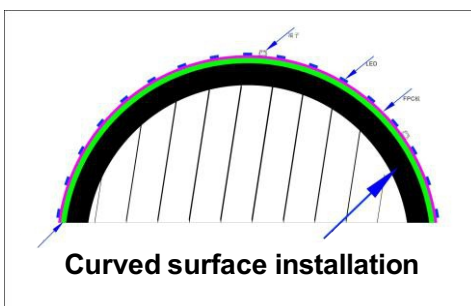
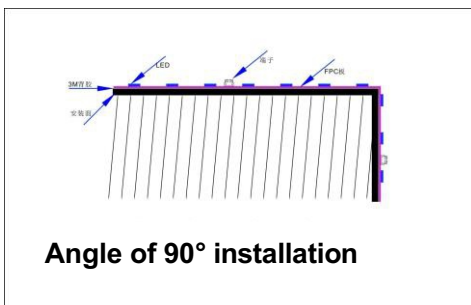
## ACCESSORIES



NO. 1, SINGLE-ENDED TERMINAL, 20AWG WIRE, CURRENT 4-5A, CONNECTED TO POWER SUPPLY, 2PCS PER SHEET  
 NO. 2, DOUBLE-ENDED TERMINAL, 20AWG WIRE, CURRENT 4-5A, USED TO CONNECT BETWEEN 2 FPC LIGHT SHEET, 2PCS PER SHEET

NOTE: IF YOU NEED SPECIAL LENGTH, YOU NEED TO CUSTOMIZE IT

## INSTALLATION

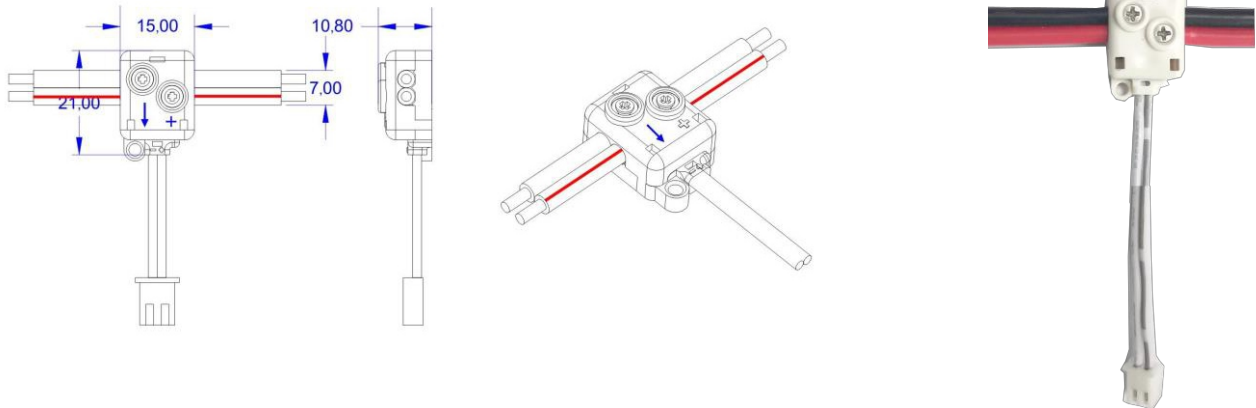


### THREE TYPICAL INSTALLATION MODES NOTE:

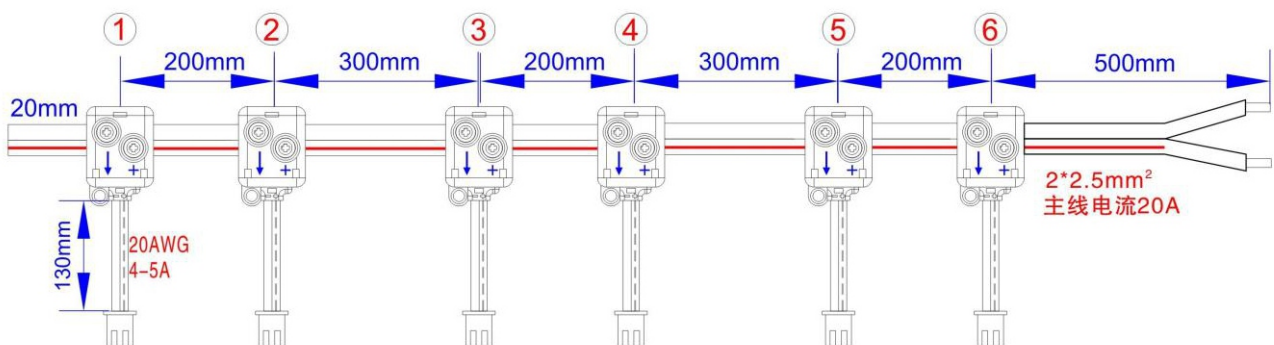
- BEFORE INSTALLATION, PLEASE CLEAN ANY FOREIGN MATTER ON THE INSTALLATION SURFACE.
- WHEN INSTALLING AT RIGHT ANGLES, THE RIGHT ANGLE PART CANNOT BE COMPLETELY FOLDED, AND A CERTAIN CURVATURE MUST BE MAINTAINED. THE RIGHT ANGLE PART MUST AVOID LEDS, TERMINALS, ELECTRONIC COMPONENTS, ETC.
- WHEN USING NAILS TO FIX, THERE ARE CIRCLES WITH SPECIAL SCREW POSITIONS ON THE FPC MODULE, AND THE NUTS CANNOT EXCEED THE FULL POSITION. DO NOT SCREW IN OTHER PLACES.
- AVOID USING ON SHARP OBJECTS.
- WHEN SPLICING MODULES, TRY TO KEEP A DISTANCE OF MORE THAN 0.5MM BETWEEN THEM.

## PRODUCT ACCESSORIES (OPTIONAL ACCESSORIES), MAIN LINE CONNECTOR

### 1. Product size:



### 2. Standard 6-connector high-current connector cable drawing (6 connectors)

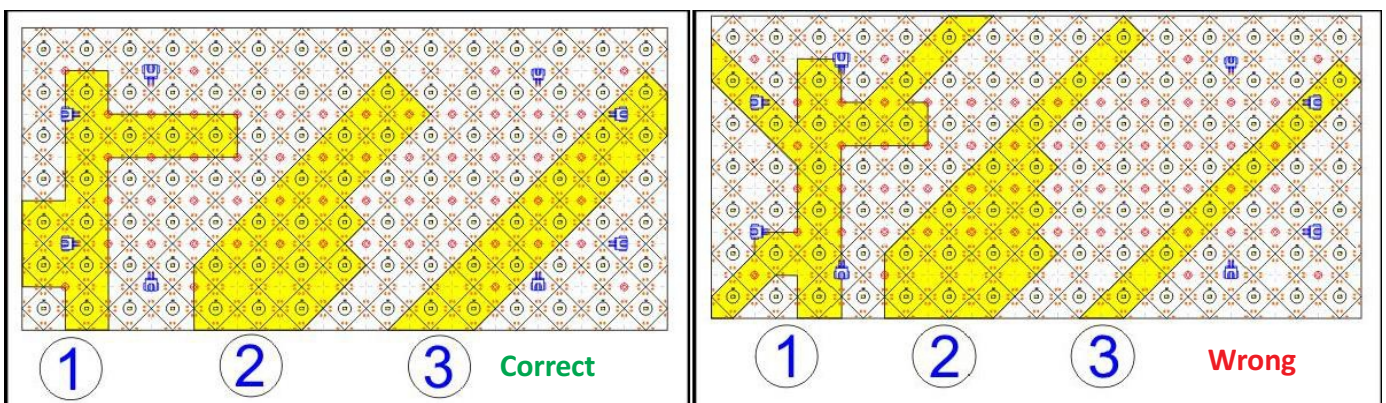


A) THIS PRODUCT IS AN FPC HIGH CURRENT CONNECTOR THAT CAN ADJUST THE SPACING BETWEEN CONNECTORS.

B) THE SHIPMENT IS FIXED INTERVAL SHIPMENT AND ACCESSORIES SHIPMENT.

C) THE DISTANCE BETWEEN THE JOINTS AND THE NUMBER OF JOINTS CAN BE CUSTOMIZED.

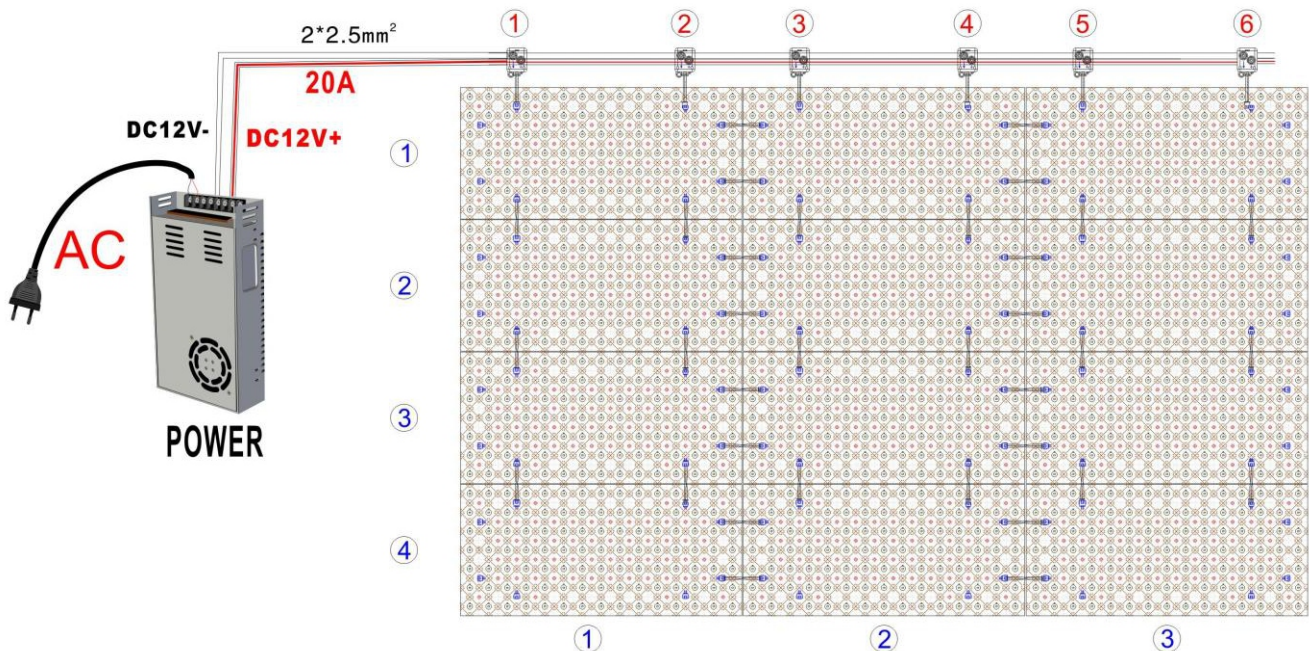
## CROPPING METHOD



### PRECAUTIONS :

- WHEN CUTTING DIAGONALLY, YOU MUST ENSURE THAT THERE ARE 2 GROUPS OF LEDS AT THE SAME TIME. WHEN CUTTING STRAIGHT, YOU CAN CUT ONE GROUP OF LEDS. TRY TO AVOID THE TERMINAL POSITION WHEN CUTTING.
- USE SHARP SCISSORS WHEN CUTTING, AND CUT THICK, IF THERE ARE BURRS, CLEAN THEM UP.
- WHEN INSTALLING THE CUT FPC MODULES, THERE MUST BE A 1-2MM GAP BETWEEN ADJACENT FPC MODULES AND THEY MUST NOT DIRECTLY CONTACT THE METAL SURFACE.
- USE TAPE OR GLUE TO INSULATE THE CUT BUCKLES (SURFACES).

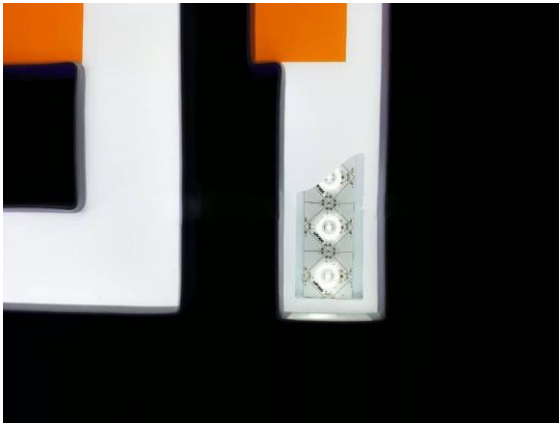
Connection method (high current wiring method)



- MAIN LINE T-TYPE CONNECTOR, THE MAIN LINE IS 2\*2.5MM<sup>2</sup>, AND CAN HANDLE A CURRENT OF MAX20A (240W SINGLE-ENDED AT DC12V, 480W SINGLE-ENDED AT DC24V)
- THE MAXIMUM CURRENT OF THE TERMINAL BLOCK IS 4-5A (60W (DC12V)). IF THE POWER IS LARGE, YOU SHOULD CONNECT SEVERAL MORE TERMINAL BLOCKS AS REQUIRED AND CONNECT THE TERMINAL BLOCKS.
- IT IS RECOMMENDED TO USE A QUALIFIED SWITCHING POWER SUPPLY (WITH SHORT-CIRCUIT, OVERVOLTAGE, AND OVERLOAD PROTECTION, AND SAFETY CERTIFICATION).
- PLEASE CONNECT ACCORDING TO THE POSITIVE AND NEGATIVE POLES MARKED ON THE SHELL . THE GRAY WIRE IS CONNECTED TO THE POSITIVE POLE OF THE POWER SUPPLY AND THE WHITE WIRE IS CONNECTED TO THE NEGATIVE POLE OF THE POWER SUPPLY.
- THE SWITCHING POWER SUPPLY AND CONTROLLER MUST WORK IN A VENTILATED AND DRY ENVIRONMENT. THE SWITCHING POWER SUPPLY GENERALLY ONLY USES 80% OF THE POWER.

## PRODUCT APPLICATION

- ILLUMINATED CHARACTERS, MORE THAN SINGLE-SIDED LIGHT BOXES, ROUND LIGHT BOXES



CHANNEL LETTERS



SUPER SLIM ONE-SIDED LIGHTBOX



LIGHT BOX

## PACKAGING INSTRUCTIONS (UNIT: MM):

SMALL PAPER BOX: 520MM\*250MM\*35MM 4PCS/AND

LARGE CARTON: 540MM\*380MM\*270MM, 10 BOXES, 40 PCS