

PRODUCT DATA SHEET

MODE : 24V-5050-36W

COLOR : RGB

480*240MM

CONSTANT VOLTAGE 24DC MODULES



GDS-F801-1162-10-RGB

CE	RoHS	5050 SMD	162 LEDS	DC 24V	IP 20/65	3 YEARS WARRANTY
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PRODUCT FEATURES

- RGB COLORFUL POINT CONTROL FLEXIBLE FPC, WHICH CAN REACH A DYNAMIC LIGHTING EFFECT WITH MULTI-SINGLE COLOR
- THE FLEXIBLE FPC ADOPT HIGH QUALITY SMD5050 LED CHIP.THE VARIETY OF INSTALLATION FORMS CAN BE ASSEMBLED ACCORDING TO THE CONVENTIONAL SIZE OF A SINGLE FPC AND VARIOUS CURVED INSTALLATION FORMS
- ADOPT 3M TAPE ON THE BACKBOARD, CAN FIX WITH THE TAPE OR SCREW
- WITH CE,ROHS,UL APPROVED, RELIABLE QUALITY
- 3 YEARS WARRANTY

APPLICATIONS

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

TECHNICAL PARAMETERS

ITEM	COLOR	POWER (W/PCS)	LIGHT EFFECT (LM/W)	LUMEN (LM)	VOLTAGE (V)	CRI	IP RANK	MIN CUTTABLE LENGTH (MM)	SIZE
GDS-F801-1162-10-RGB	RGB	MAX : 36	R : 20 G : 55 B : 12	R : 20 G : 55 B : 12	24V DC	/	IP20/65	53.2 * 79.8	480 * 240

Remark :

Test environment temperature is 25±2℃.

The above data is typical, the actual parameters of the product may differ from the typical data; the data is subject to change without notice.

The above "-" indicates that the parameters of this product are not required at the moment.

ACCESSORIES



4pDouble end power cable (37mm)

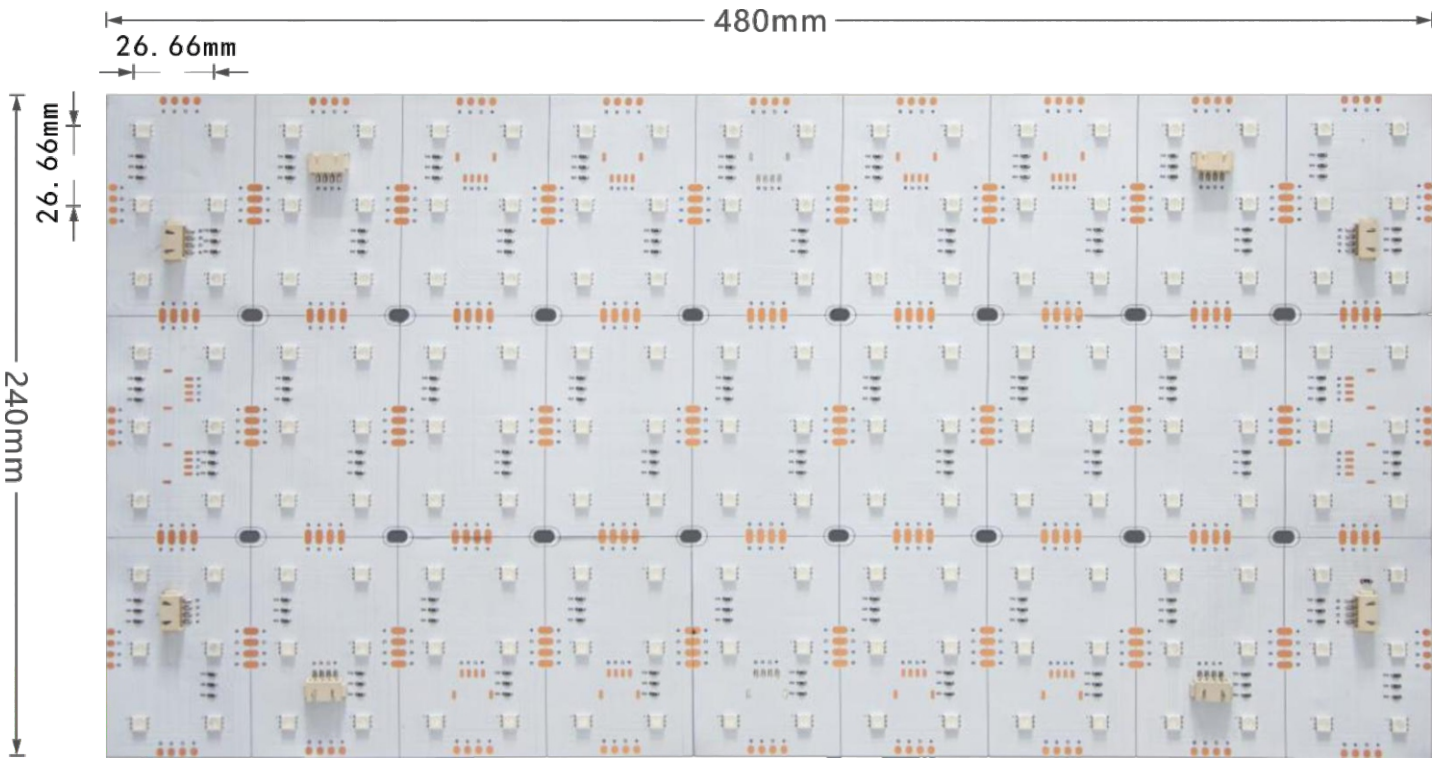
4psingle end signal cable (150mm)

Remark:

The above packaging quantity and weight are only for the illustrated packaging method, when it is other packaging methods, there will be differences in the packaging quantity and weight, and the actual product shall prevail!

DIMENSION

UNIT IN MM



PACKAGE

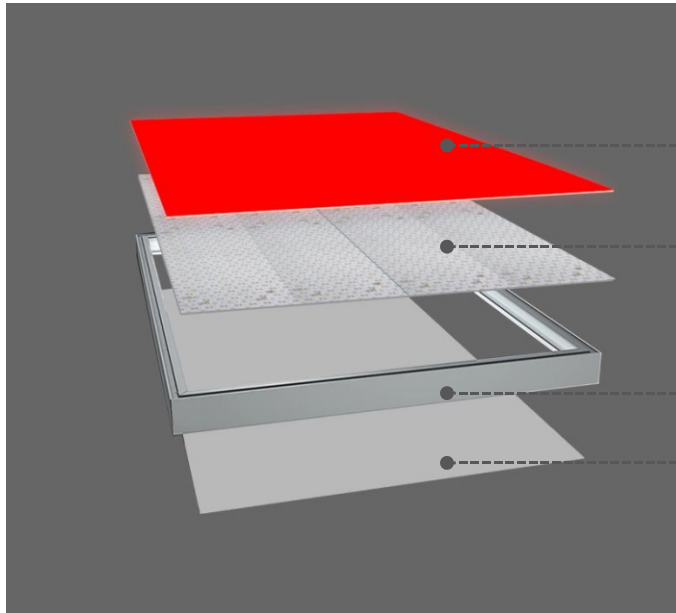


PACKING INSTRUCTION :

- | | | |
|-----------------------------------|--------------|----------------|
| ●SINGLE FPC BAGS : 500MM*260MM | 1PCS/BAG | |
| ●INNER CARTON : 520MM*280MM*35MM | 4BAGS/BOX | 4PCS |
| ●OUTER CARTON : 540MM*400MM*270MM | 10BOX/CARTON | 40PCS IN TOTAL |

DIMENSION

UNIT IN MM

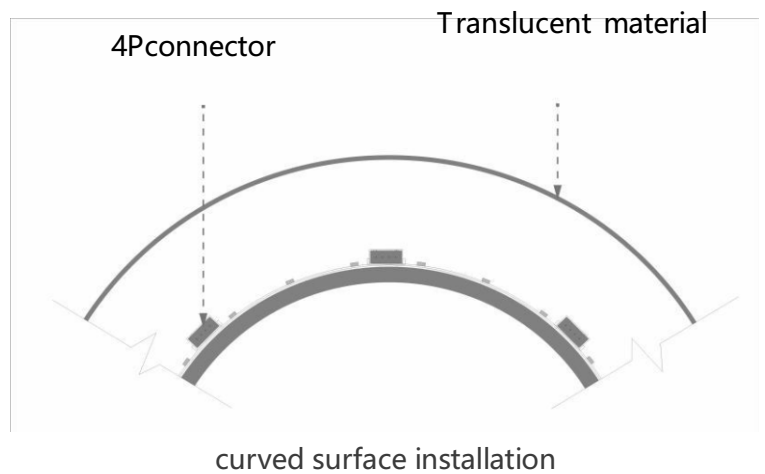
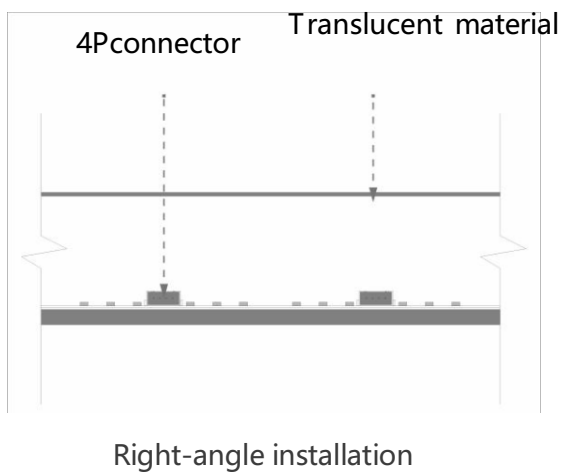
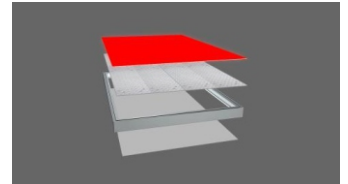
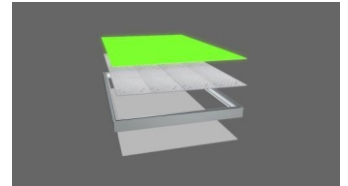
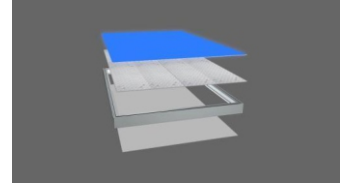


Translucent
transparent
material

LED FPC Sheet

Aluminum alloy
frame

Backboard

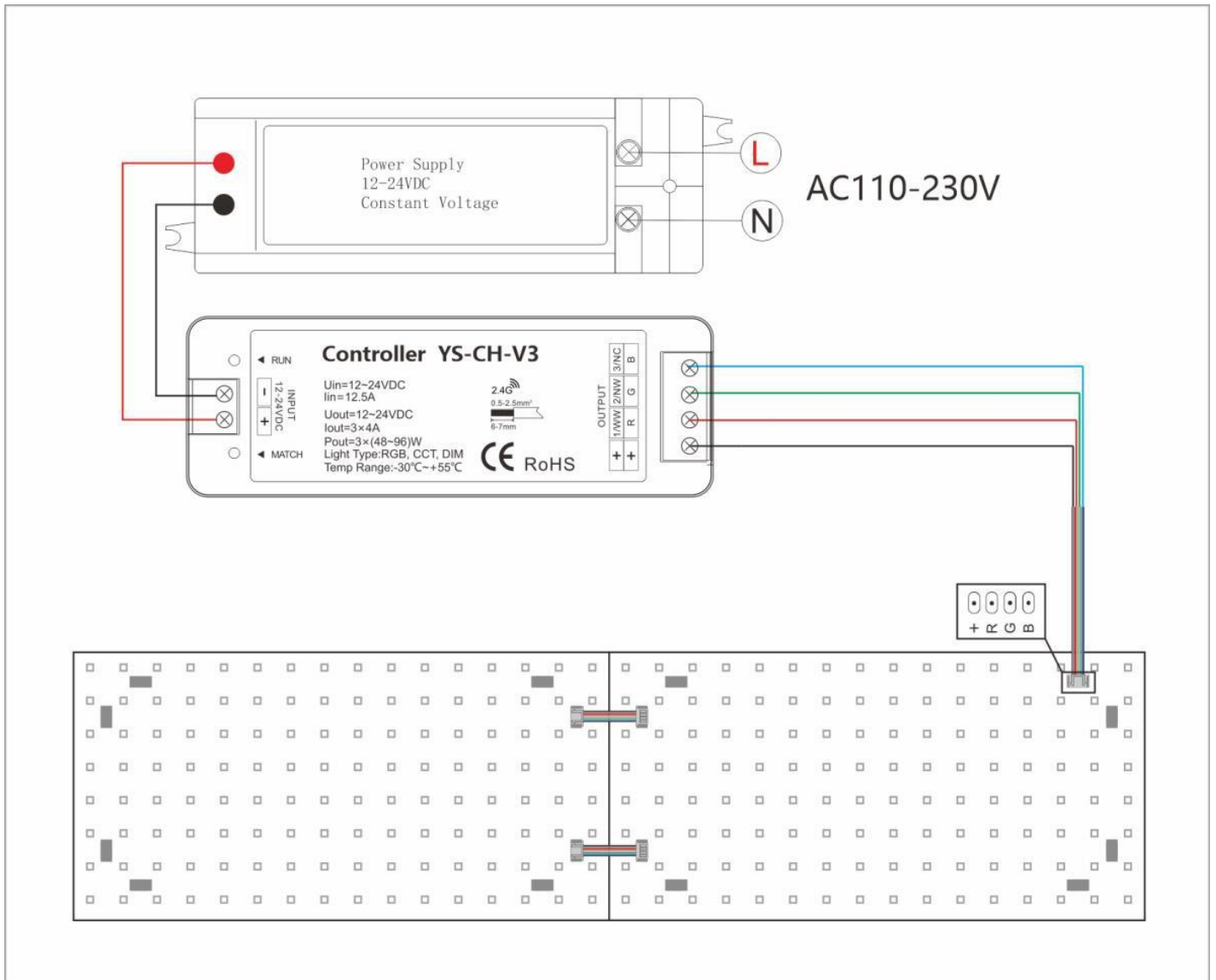


Remarks:

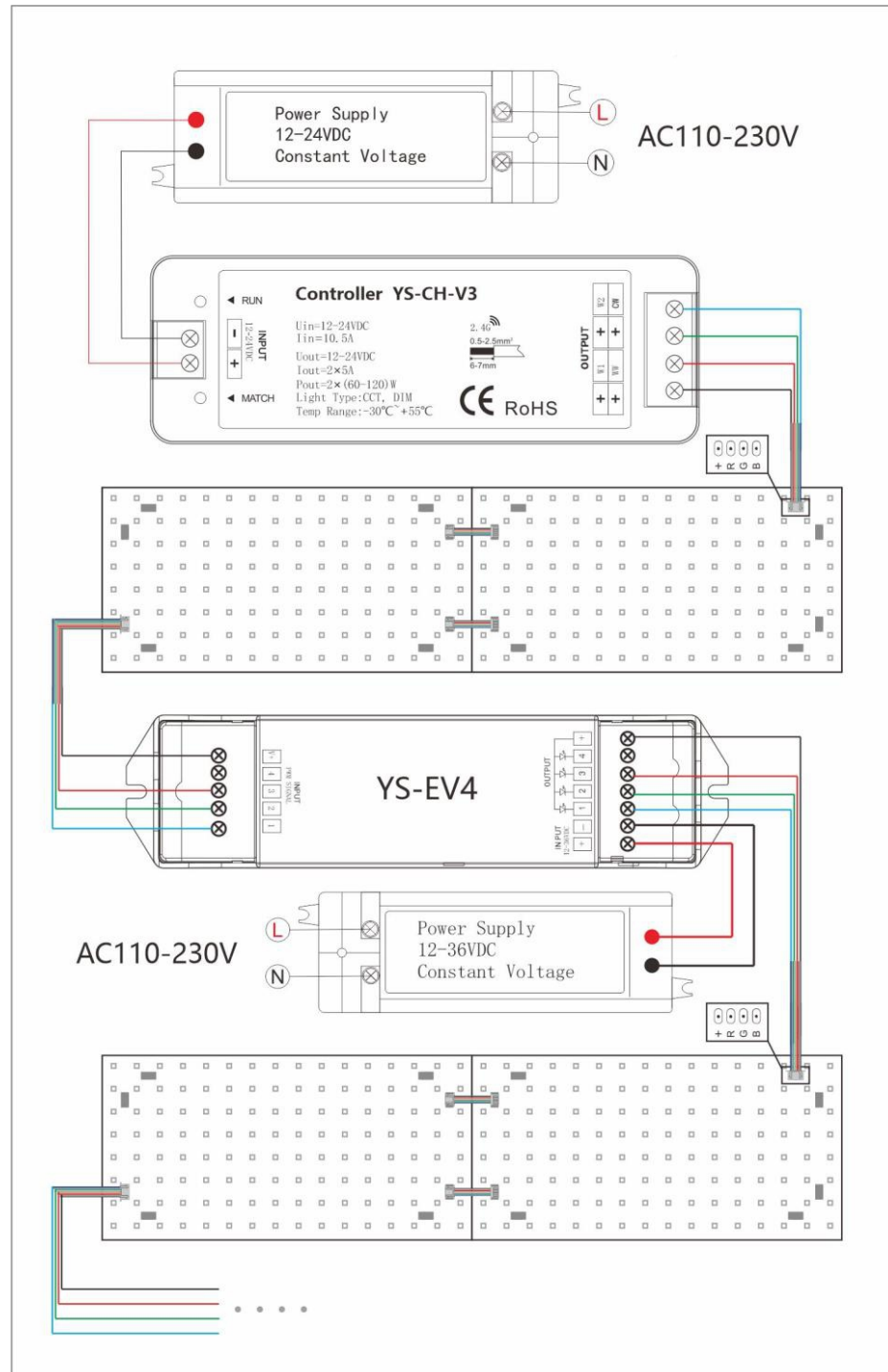
- Clean up debris on the mounting surface to ensure surface cleaning.
- Singel fpc cannot break angle when install it
- When installed at a right angle(90 degree),the right-angle part can not be completely folded, and a certain radian need to keep, the max bending radius is 40mm, also the right-angle part need to avoid LEDs, connectors, electronic components, etc
- When fixing with nail, there is a circle of special screw position on the sheet, and the nuts can not exceed full circle, and it is forbidden to screw in other places.
- It is avoided to use on sharp objects.
- The splicing between FPC sheet and FPC sheet should try to keep a distance of 0.5mm or more

THE METHOD FOR CONNECT THE CONTROLLER

1. Connection method for the single controller.



2. Connection method for the single controller and the signal amplifier.



Remark:

As the image you can see, please connect the product to the controller and power supply.

The output end of the controller needs to connect the signal input end of fpc(4PIN end), the output end for fpc connects the next fpc input end (4 PIN).

Each controller connect one switch power supply, each controller can connect two pcs FPC. It can be multiple FPC connection and in series or tandem with multiple signal amplifiers.

Please use the qualified switch power supply (With electrical circuit protection, Overload protection, safety, with certification)

Connect the wire as the "+" "-" of the terminal. The output "+" "-" end for the power supply should be connected to the controller input "+" "-".

COMMON FAULTS OF PRODUCTS AND TROUBLESHOOTING METHODS

Fault phenomenon	potential causes	Solution
All LEDs are off	1、 The power is off.	power transmission
	2、 Automatic protection of the power supply after the output of the switching power supply is open or shorted.	troubleshooting and recovering the power supply
	3、 LED Strips with power supply terminal polarity reverse	Check the wire connection to ensure correct connection of positive and negative wire
Some of the LEDs are off	1、 Part of the switching power supply is not powered	Check the power supply system and troubleshoot
	2、 Part of the electricity supply line error	
	3、 Partially led strips with reverse polarity connection	Correct connection
LED brightness is not the same or the brightness is not enough	1、 Power overload	Replace the power supply with a larger power according to the load
	2、 Switching power supply line or circuit loss is too large	Ensure that the operating voltage of the led strips is within $\pm 5\%$ of the rated voltage 1. Cut the length of the wire between the strip and the power cord or use wires with a larger diameter. 2. Ensure that the number of each led strip is less than or equal to the maximum allowable cascade; And make each strip with a similar connection.
	3、 Over connection of LED Strips	Adjust the number of strips for each power supply to meet the maximum connection requirements for each power supply.
LED flashing	1、 Poor contact at the wiring point	Find out the bad points and troubleshoot. Replace the switching power supply
	2、 Switching power supply failure	

STATEMENT

- If the external cord of the product is damaged the manufacturer should replace it or its service agent or a similarly qualified person to avoid danger.
- For the specific installation and precautions of the product, please refer to the product manual.
- The data above in this specification is based on standard products. Actual shipments may be a little different. Please refer to the actual product.
- All product drawings in this specification are schematic diagrams, and actual shipments may be a little different. Please refer to the actual product.
- Do not install with electricity.
- Do not use any organic solvents.
- It is strictly forbidden to use acidic or alkaline adhesives during installation, can use glass glue.
- The product should be installed and maintained by a professional person.
- The data on the specification is from the laboratory, the data for the actual product may have slight differences.
- The drawing in this specification is only for reference, there may be differences in the actual use.
- This product is subject to change without notice