



**GENERAL LIGHTING**  
GENERAL LIGHTING ELECTRONIC CO.,LTD

## Specification

Customer Name: \_\_\_\_\_

Part No.: GL-FA Series

Product Name: Flexible LED Strips

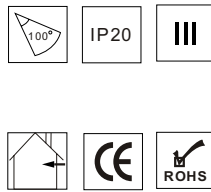
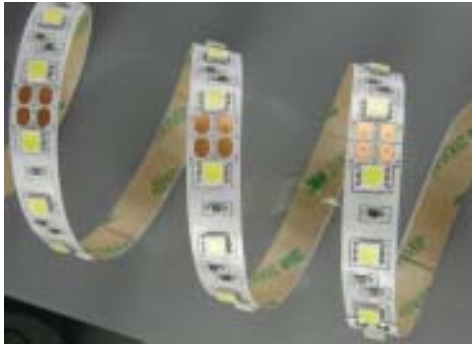
Sample Delivery: \_\_\_\_\_

Customer confirm		GENERAL LIGHTING	
Confirm	Approve	Confirm	Approve
Customer Comfirmed: <input type="checkbox"/> Qualified <input type="checkbox"/> Unqualified			



## Features

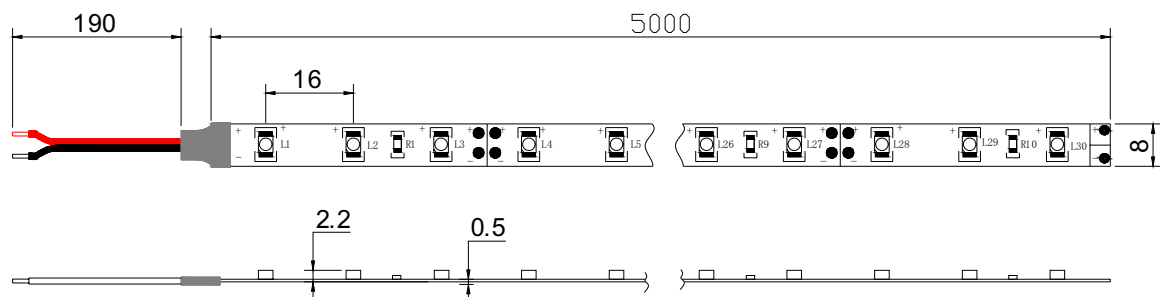
- » Red/Green/Blue/Yellow/Pure White/Warm White available
- » 3pcs LEDs per unit;
- » with accessories to help strip easy installation, strip continuous connection and strip connection to LED drivers.
- » Used Super bright 3528 TOP SMD LED as lighting resources.
- » 300 PCS LED / 5 M (GL-FA-\*)/600 PCS LED / 5 M (GL-DFA-\*).
- » Size:5000X8MM(GL-FA-\*)/5000X10MM(GL-DFA-\*).
- » Available Red/Green/Blue/Yellow/Pure White/Warm White;
- » Input Voltage DC 12V or 24V;
- » Max power 48W(GL-DFA-\*)/24W(GL-FA-\*)
- » Can be cut by 3 LED (DC 12V) and 6LED (DC 24V) and connect again by our accessories;
- » With 3M adhesive tape back, easy for installation.
- » Can be change into waterproof with type A and type B
- » Can be chosen copper PCB or white PCB.



## Applications

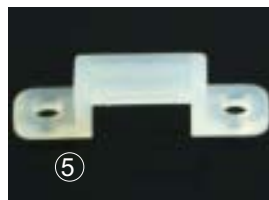
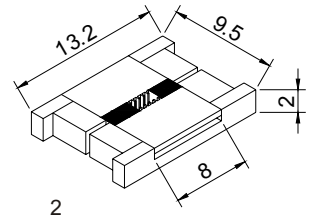
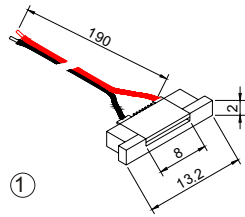
- » Architectural lighting for window , archway , canopy and corridor
- » Decorative lights for holiday , event , show, exhibition
- » DIY light for home use
- » Backlight or edge lighting for sign.

## Dimension

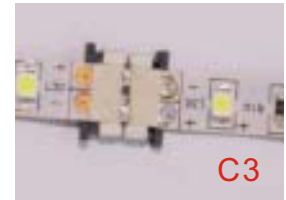
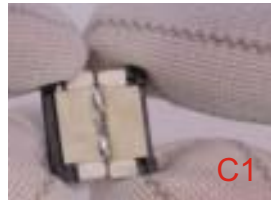
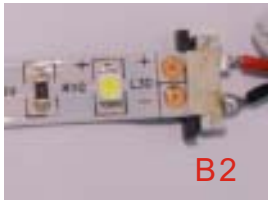
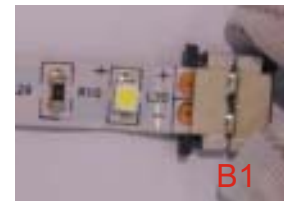
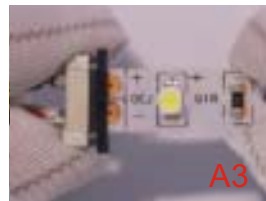
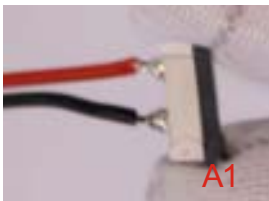


GL-FA-SERIES

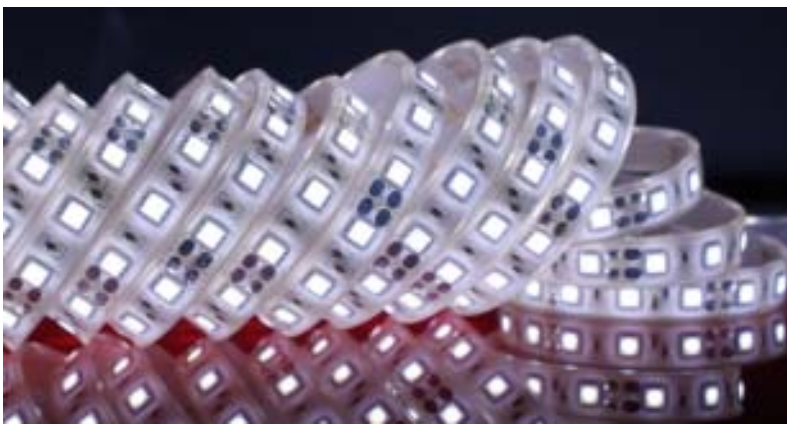
Unit: mm



## ■ Operation Guidance



## ■ GL-FA-\*-A( waterproof)



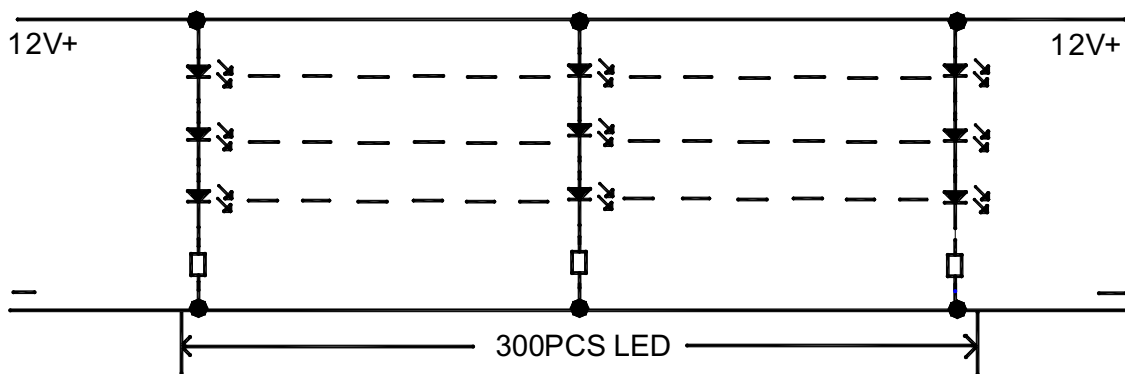
### Features:

Waterproof with Silicone hollow tube, IP67;  
With accessories to help strip easy installation, strip continuous connection and strip connection to LED drivers;

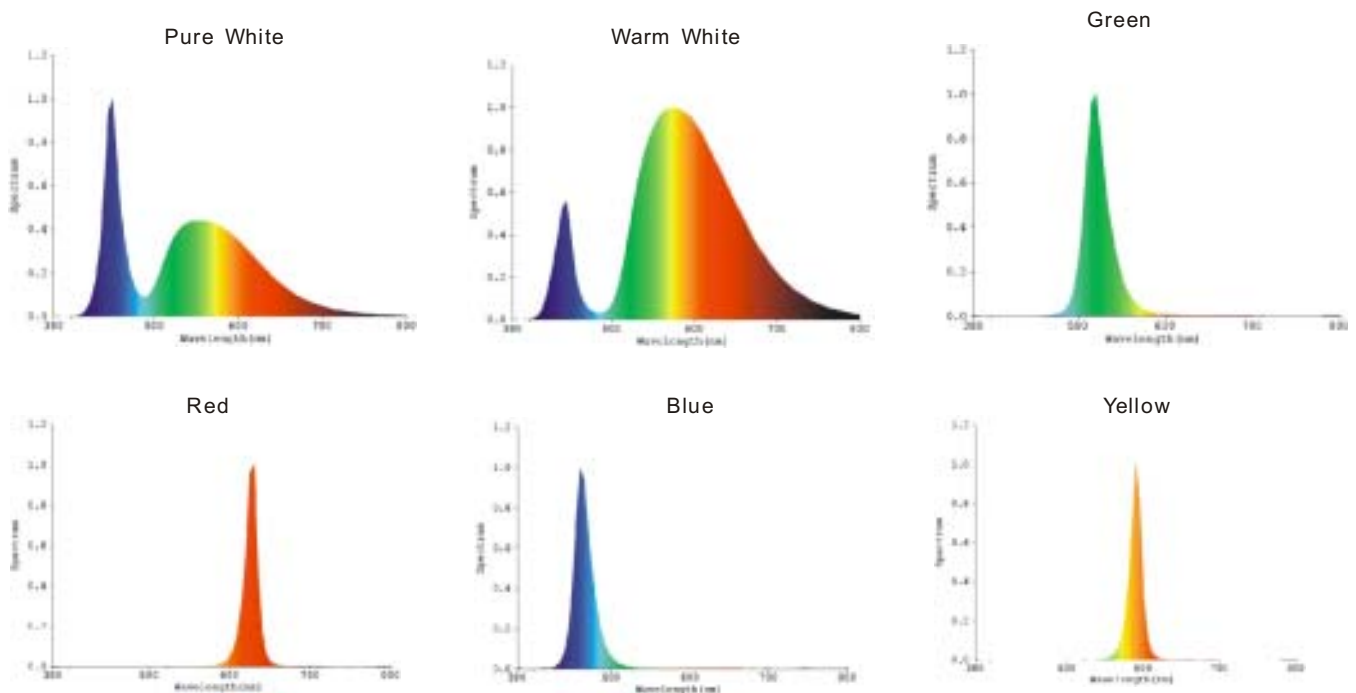
## Parameter

Part No	LED Q' ty	LED Type	Voltage (DC/V)	Size(MM)	$\Delta d(nm)/Tc(K)$	Flux( $\pm 5\%$ )	Max Power
GL-FA-PW	300PCS	TOP SMD 3528 LED	12	5000X8	5500-6500K	1437lm	24W
GL-FA-WW	300PCS		12	5000X8	3000-3500K	1390.5lm	24W
GL-FA-R	300PCS		12	5000X8	620-625nm	401.2lm	24W
GL-FA-G	300PCS		12	5000X8	520-525nm	1201lm	24W
GL-FA-B	3000PCS		12	5000X8	465-470nm	329.4lm	24W
GL-FA-Y	300PCS		12	5000X8	585-590nm	483.8lm	24W

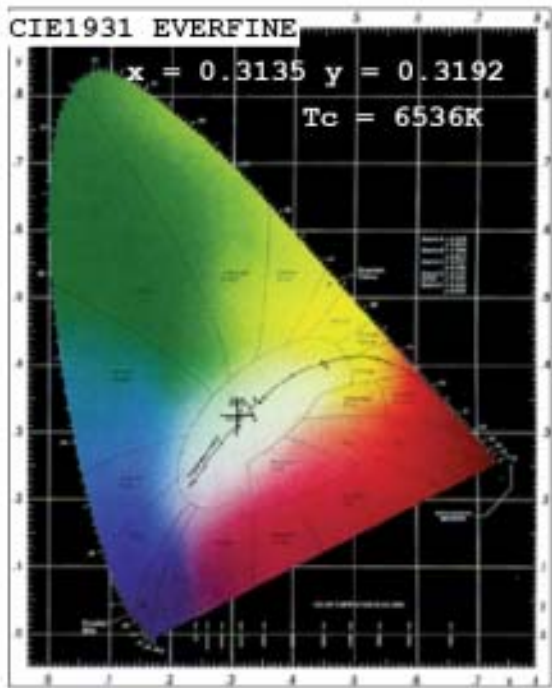
## CIRCUIT DESIGN



## SPECTRUM

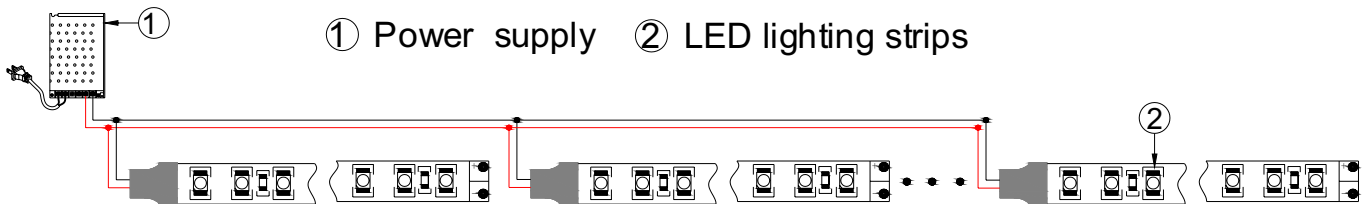


■ **Color Chart**



The data above form in under the test condition of  $T_a = 20 \sim 25$  degree  
PW/WW/G/B DC4V18ma)(R/Y DC 3V18ma)

■ **CONNECT DRAWING**



■ **Accessories**

Item	Part NO	Description
1	GL-T1-8	15P joined connector with wire
2	GL-T2-8	15P joined connector
3	GL-Q6	Screw
4	GL-Q5-8	end cap with 4x10.5 hold
5	GL-Q3-8	chip
6	GL-Q2	one gilicon glue
7	GL-Q1-A1	transparent connector

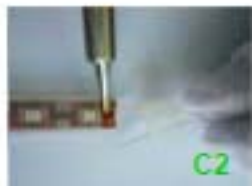
## ■ Installation

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## ■ Operation Guidance

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To cut and seal at one end, please follow the steps: **A1 A2 A3 B1 B2**

To cut and install waterproof connector at one end, please follow the steps: **A1 A2 A3 C1 C2**

**C3 C4 C5**

**A1** : Cut the light strip at the mark "scissors" or by every 3 LED's.

**A2**: Screw to open the glue cap

**A3**: Use the thrust (another side of glue cap ) to puncture the surface .

**B1**: Inject the silicon gel into the end cap without holes

**B2**: Push the strip into the cap and let gel dry for 1 hour.

**C1**: Put the connector wire through the end cap holes

**C2**: Solder the wire onto the PCB

**C3**: After solder the two wires, push the strip into the end cap with wires carefully

**C4** : Inject the silicon glue at the end of strip and cap

**C5**: Make sure end cap and strip are connected well and let gel dry for 1 hour.

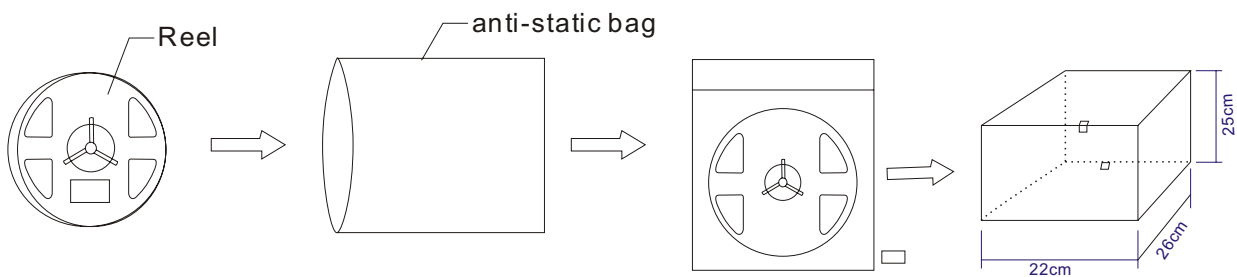
## GL-FA-\*-B (waterproof)



### Features:

Waterproof with solid Silicone material, IP68;  
with accessories to help strip easy installation, strip continuous connection and strip connection to LED drivers;

## Package

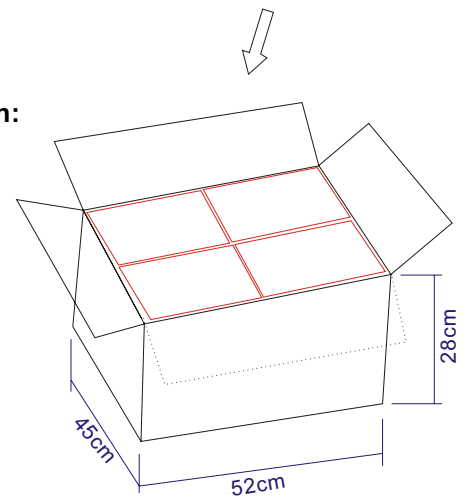


### Standard Packing Per Bag

LED strips: 1 reel  
Accessories: 1 bag

### Standard Packing Per Outer Carton:

14 bags to 1 inner box;  
4 inner boxes to 1 outer carton  
G.W.: 19.8kg  
Measurement: 52X45X28(cm)



## Note

- 1 please make LED drivers compatible with flexible LED strips before use LED strips;
- 2 To use LED strips 5M in serial, longer than 5M in parallel.



**GENERAL LIGHTING**  
GENERAL LIGHTING ELECTRONIC CO.,LTD

TEL: +86-755-81793969 81707642

FAX: +86-755-27627501

MAIL: info@gl-leds.com

http: //www. gl-leds. com

ADDRESS: 5Floor, B building, Sanmin Industrial Park, Shuitian  
Shiyan Town , Bao' an Disrtict, Shenzhen, China.