

SK6812 Rigid led bar

Model No.: JAD-FB5050RGB64-SK6812

Summarize:

power supply:DC low voltage.
 Long lifespan led which can realize individual control and full color change.
 Application:Widely used in areas of display,decoration and city nights etc.

Features:

- ◆ SK6812 single signal control mode
- ◆ SPI control mode;
- ◆ Black semi-transparent , Round milky cover, Square milky cover, clear cover can choose
- ◆ Greyscale:256;
- ◆ IP40 IP67 available; ;
- ◆ Beam angle: 120 degree, no dark area;
- ◆ Seral transmission,stable signal ◆ Seamless integrate
- ◆ Realize multiple joints without voltage drop

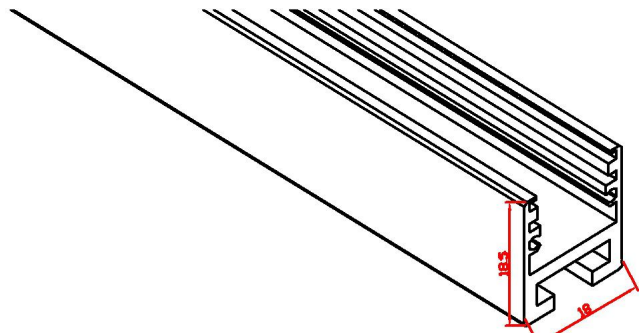
Application:

Indoor & outdoor decoration
 Night-club, party, hotel backlighting

Pic:

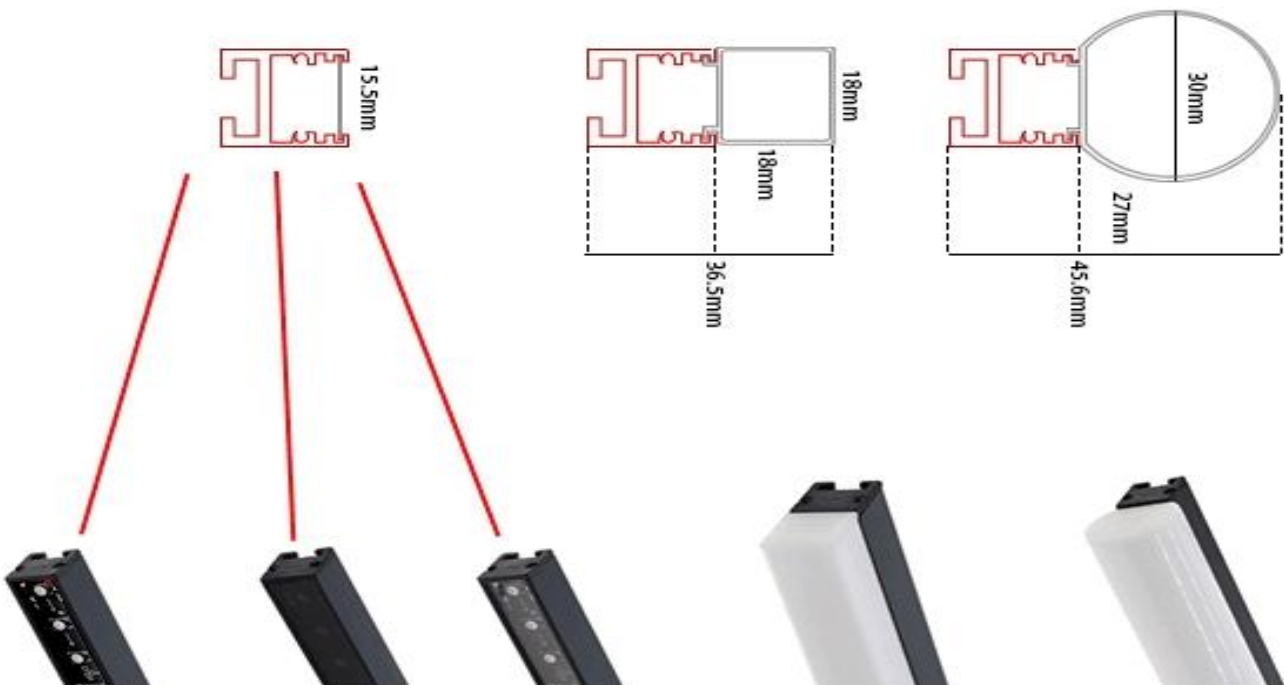


Size:



Note:

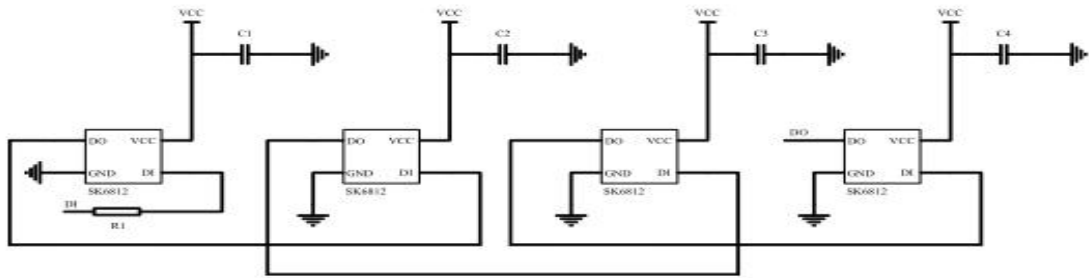
1. All the units : mm.
2. Tolerance:5% more or less



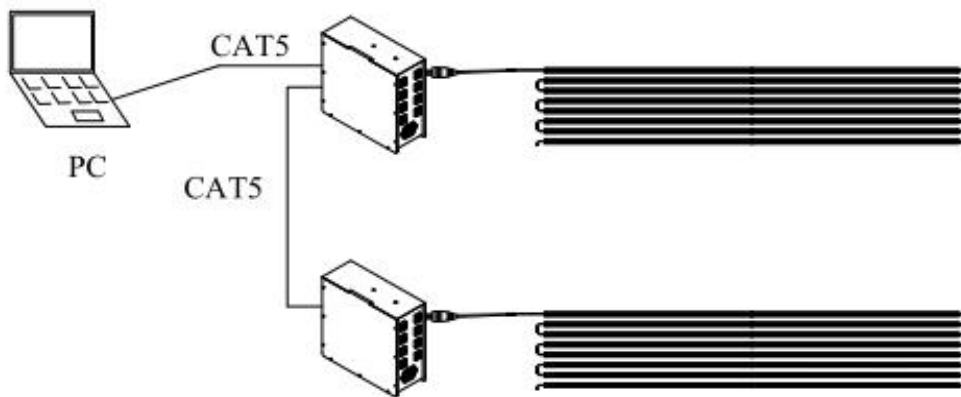
◆ **Parameter (Based on:1M)**

Name	Unit	Min	Standard	Max
Working Voltage (U)	V	—	24V	—
Max power (P)	W	—	15	—
Quiescent current (I)	A	—	0.27	—
ESD Allowable input voltage (Vesd)	V	2000	—	—
R-Wave length (λ D)	nm	620	—	625
G-Wave length (λ D)	nm	515	—	520
B-Wave length (λ D)	nm	460	—	470
Luminous (lv)	LM	1000	—	1300
Beam angle	°	—	120	—
Working temperature (Topt)	°C	-25	—	55
Storage temperature (Tstg)	°C	-20	—	55
Waterproof (IP)	—	—	67	—
N.W	g	—	460	—
LED type	—	—	5050RGB	—
LED Qty.(pcs)	pcs	—	64	—
IC	—	—	SK6812	—
Grayscale	—	—	256	—
Channel order	—	—	GRB	—
Pixel	pcs	—	64	—
FPC color	—	—	Black	—
PC cover	—	—	Black, Round milky, Square milky , clear	—

Product schematic diagram



◆ Wire connections diagr



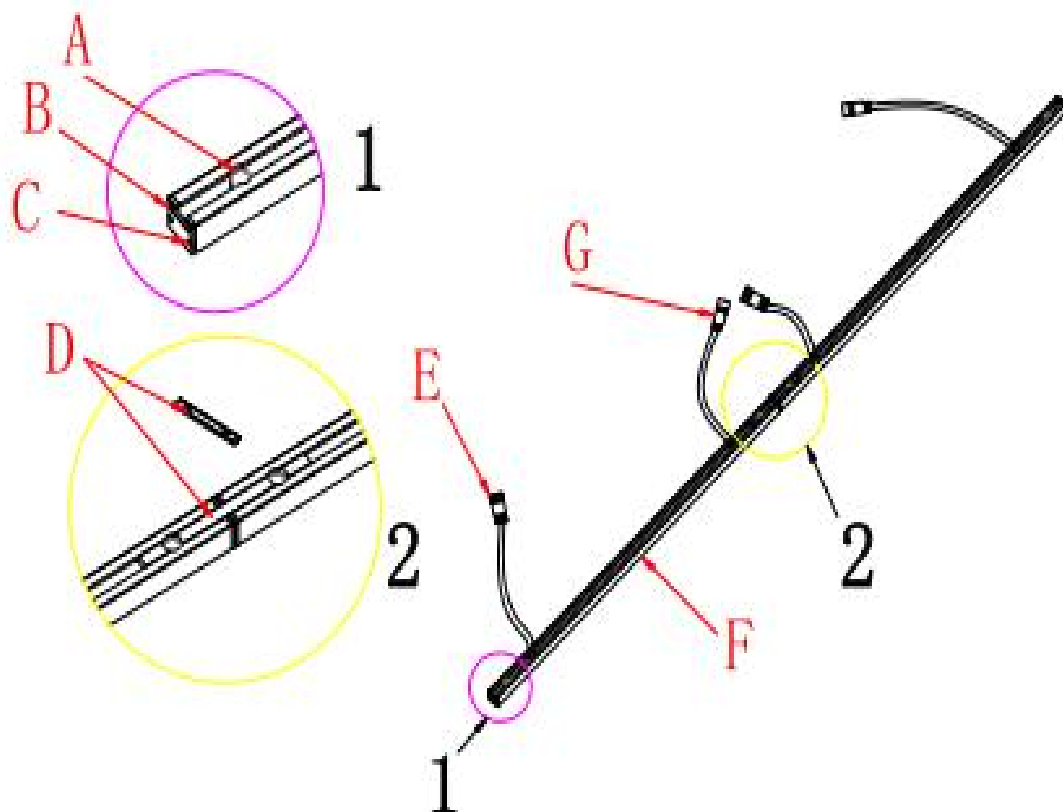
◆ Installation

- 1、 Input: male connector .Output: female connector.
- 2、 Bar DI port connect controller signal port
- 3、 If bar is more than 10M, need a signal amplifier to increase the transmit-ability
- 4、 Special design between and 2 bar which realize seamless integrate.
- 5、 Bar can fixed by backside the bracket mounting

◆ Installation features

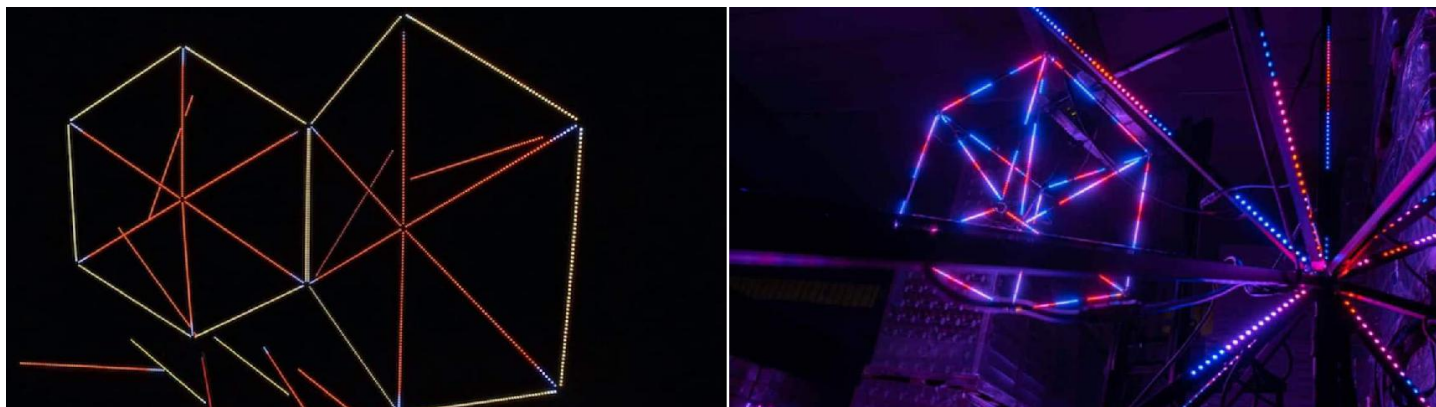
1. The Project installation uses the controller corresponding to the light bar control IC.
- 2, the controller load points should not exceed 90% of the load capacity, so as not to affect the display effect
- 3, the bar can installed by regular connector, or use special-shaped connector to make differeent drawing
4. When the light bar is installed and used, it can be connected seamlessly for ten meters without additional power supply.

◆ Installation diagram

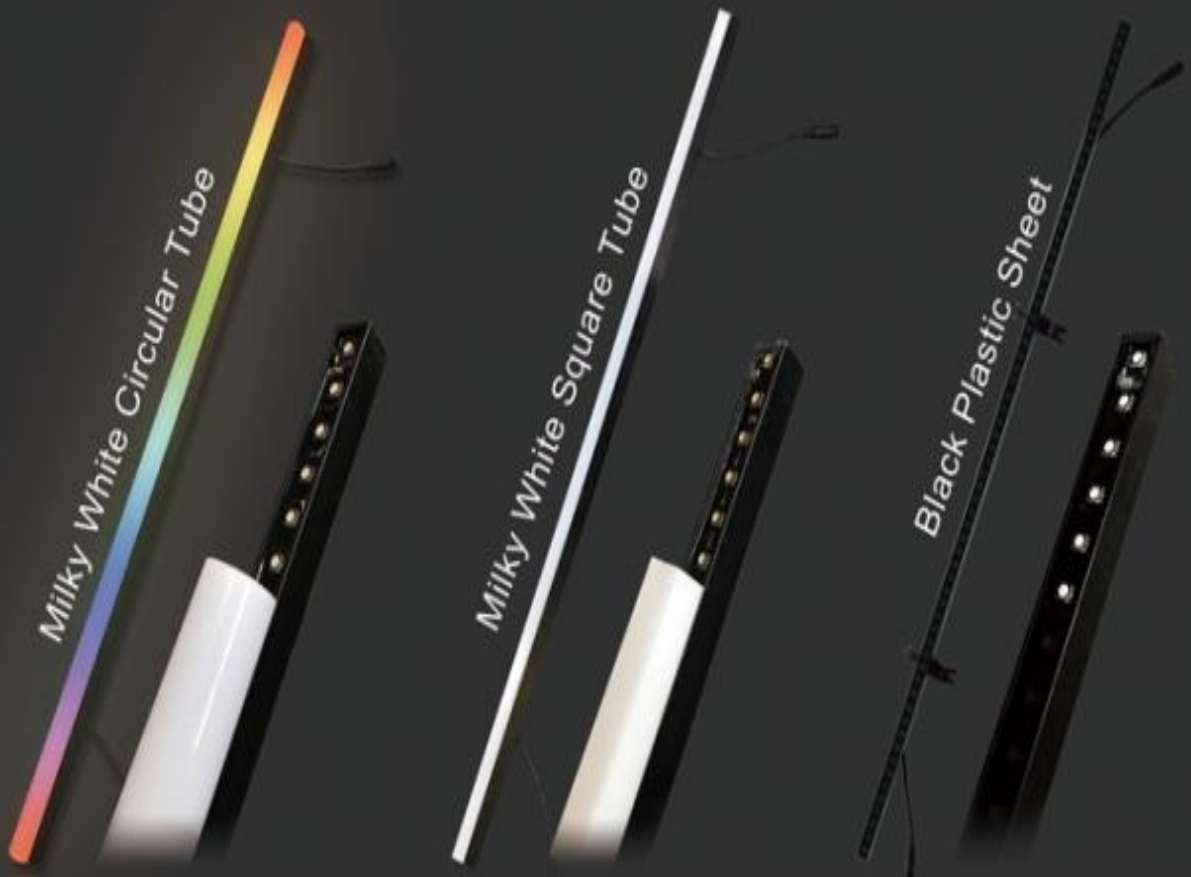


- A- Button, easy to fix and tear the strip light
- B- Black semi-transparent plastic cap, high transmitting and elegant appearance.
- C- Self-tapping screw, fix the cap and aluminum groove
- D- Aluminum connector to connect each bar .
- E- Input is Male connector
- F- Black Aluminum profiles
- G- Output is female connector

◆ Project picture



LED Video rigid bar



DC24V

64LED

64Pixel

1000mm



Multiple connectors for optional

Connector pin map

360° Mounting



Original



3/5



male



female



360°

