12mm Addressable Square LED Pixel

Product Description

- This square (flat) pixel made by F8 DIP RGB LED and the drive by WS2811 chip.

- Cable length between each pixel 8mm.

- Standard quantity its 50 pcs per chain.

- It's Cut-able of each LED.

- The Arrow on button of LED directing the signal's input.

- IP67 epoxy waterproof.

- Control by: SD controller, DMX decoder.

Product Datasheet

Product Number	P012001NA3SF
Light Source	Epistar F8mm Dip LED
Beam Angle	120°
LED Quantity	50pcs/chain
Gray Level	256
Emitting Color	RGB
Operating Voltage	DC5V
Current (A/1 chain)	3A
Power (W)	0.3W/pcs
Control (IC)	UCS1903/WS2811
Lumen (lm/1 chain)	R35 G160 B27
Pixel Resolution	1024 (Dot/㎡)
Bit	8bit
Waterproof Rating	IP67 (Epoxy)
Operation Temperature	-10℃—40℃

Application

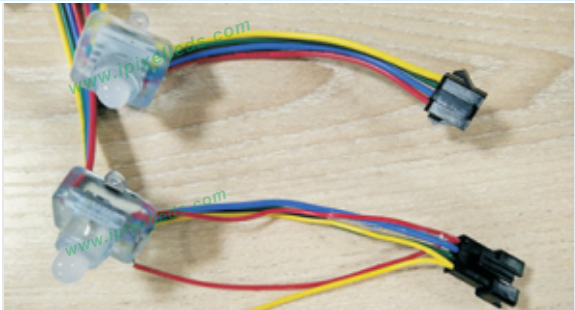Amusement attractions,rides

Speed buzz, fairground,Casino lighting.

Luminous signs,Luna Park signs

High swing, inversion freak out rides etc…
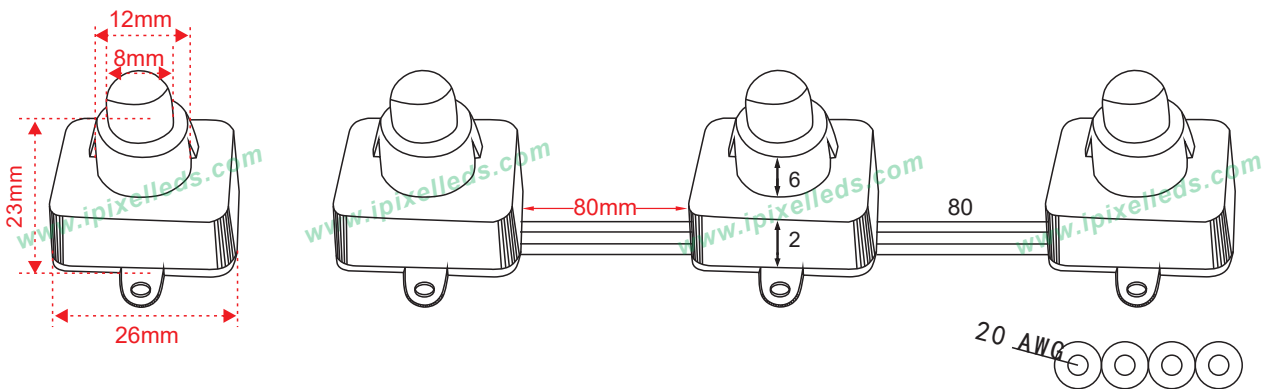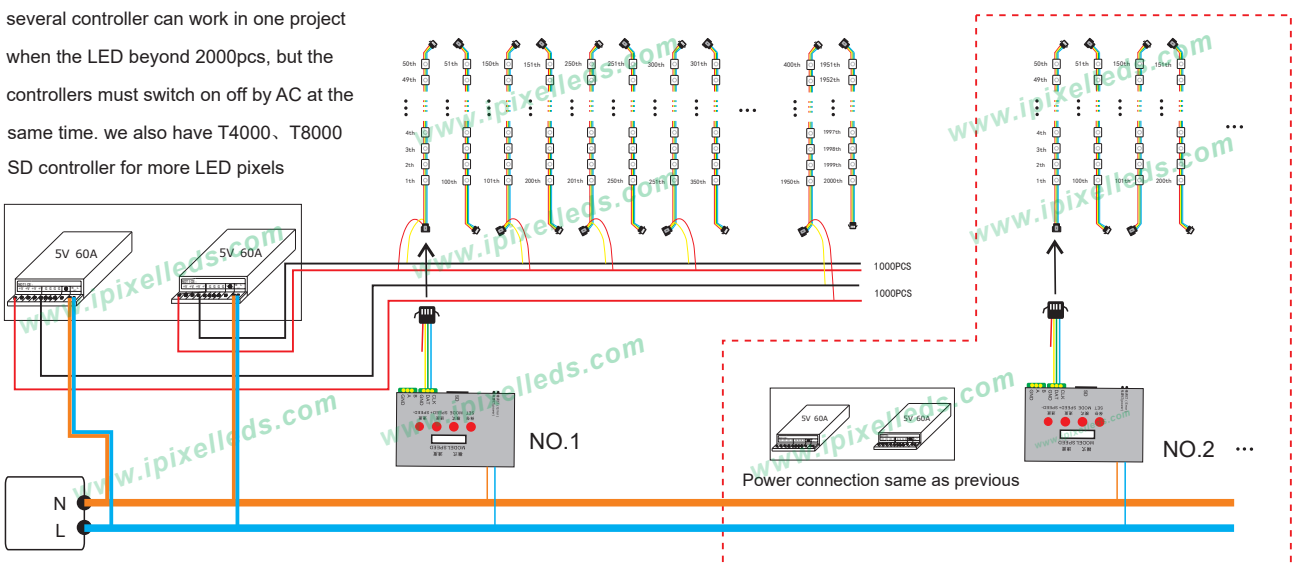
More Details

WS2811 IC	4-Pin JST connector
	Cable color definition
	⟶ GND
	⟶ DAT
	⟶ CLK
	⟶ DC +5V

Outline Dimension

12mm
8mm
23mm
26mm
80mm
6
2
80
20 AWG

Connection Drawing

several controller can work in one project when the LED beyond 2000pcs, but the controllers must switch on off by AC at the same time. we also have T4000、T8000 SD controller for more LED pixels

5V 60A

5V 60A

50th 51th 150th 151th 250th 251th 301th   400th 1951th 1952th

49th   1997th

4th   1998th

3th   1999th

2th   2000th

1th 100th 101th 200th 201th 250th 251th 350th 1950th 2000th

...

1000PCS
1000PCS

NO.1

50th 51th 150th 151th 200th

49th

4th
3th
2th
1th 100th 101th 200th

...

5V 60A   5V 60A

NO.2 ...

Power connection same as previous

N
L

AC 110 / 220V

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