



## 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.



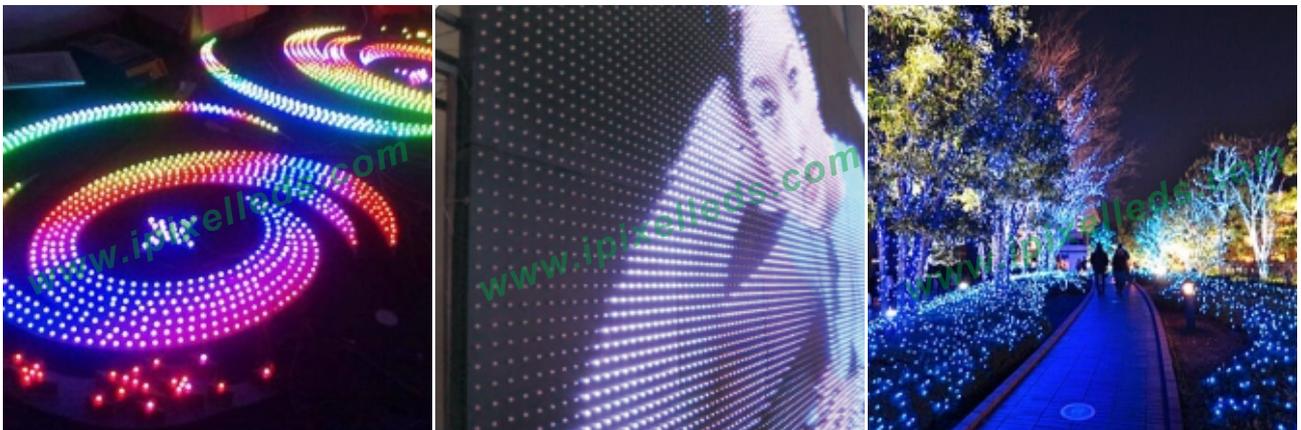
- The Arrow on button of LED directing the signal's input.
- IP67 epoxy waterproof.
- Control by: SD controller, DMX decoder.



## 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/m <sup>2</sup> )
Bit		8bit
Waterproof	Rating	IP67 (Epoxy)
Operation	Temperature	-10°C—40°C

## Application



Amusement attractions,rides

Speed buzz, fairground,Casino lighting.

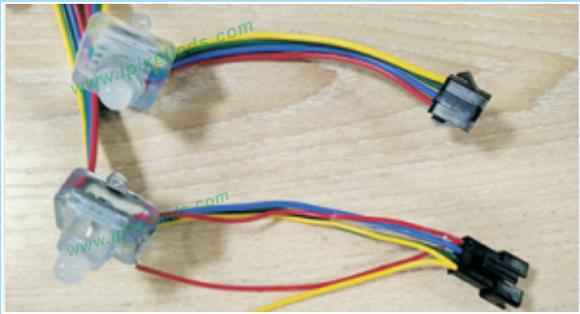
Luminous signs,Luna Park signs

High swing, inversion freak out rides etc...



## More Details

WS2811  
IC

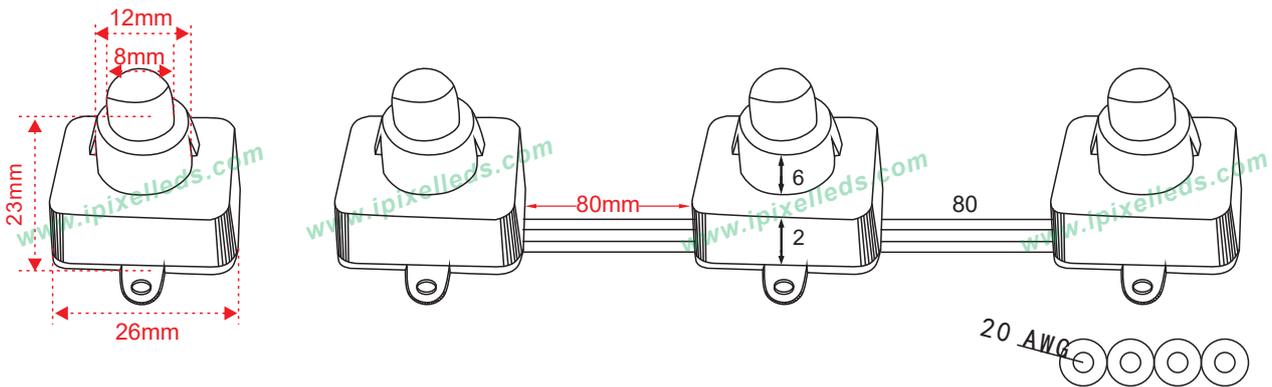


**4-Pin JST connector**

**Cable color definition**

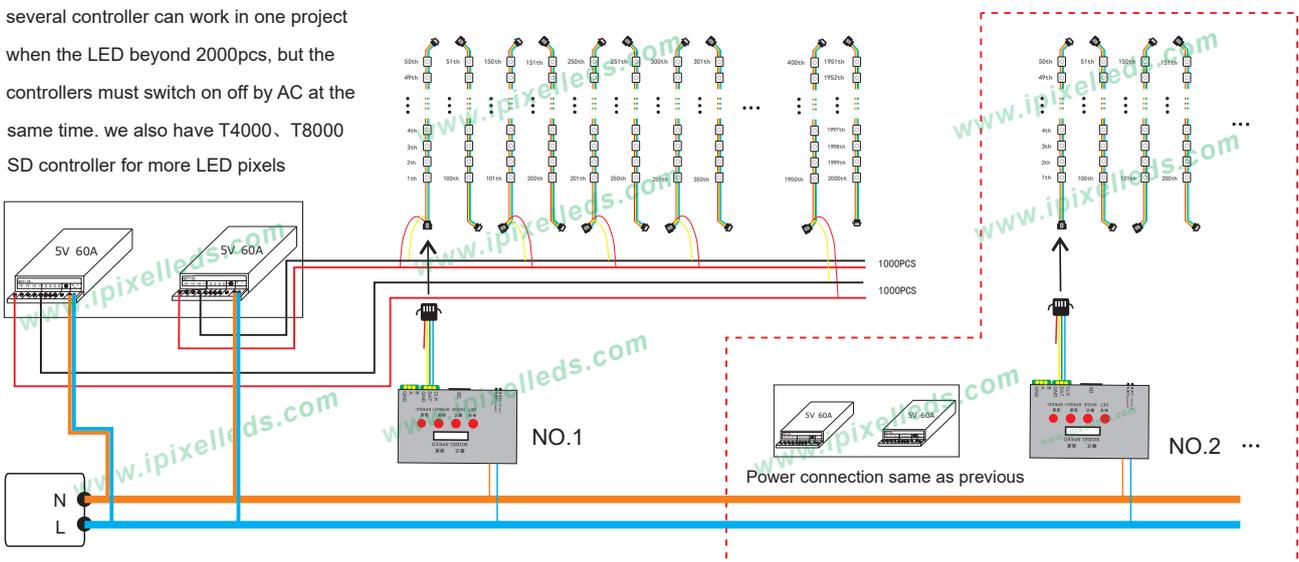
- GND
- DAT
- CLK
- DC +5V

## Outline Dimension



## 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



AC 110 / 220V