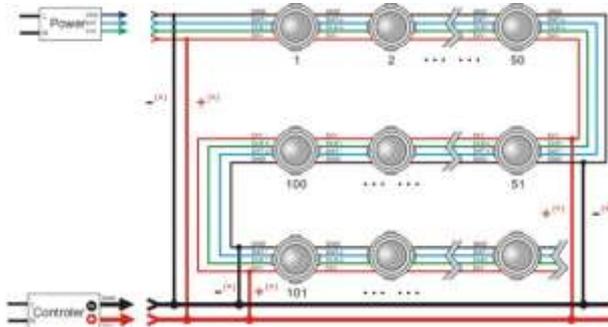# How to build a Pixel Matrix/Pixel Grid for an decorative lighting

The Full color(sphere)point light source for the DC12V and are connected by a 3-conductor cable ,it *has positive and negative points, pay attention to the positive and negative terminals of the power supply.* The positive electrode line(string lights red)connect to power support(+) ,and The negative electrode line(string lights black or white)connect to power support(-).

The Full color Diffused LED Pixel Module is the common cathode anode with ws2811 controller. three line LED exposed waterproof LED pixel module, the full-color string in the red for positive, as follows: positive, negative, data.

LED string lights punched the word has positive and negative points, pay attention to the positive and negative terminals of the power supply wiring corresponding to such negative reversed, not light punch word

The requirements of aperture punching moderate , Such considerations fit well the card slot of led module and a substrate, it is not easy to fall off, and not on the internal line as extrusion, *installation is recommended together with plastic glass to make it more* firmly(The structure is solid).

and let's use over them longer.The *Diffused LED Pixel Module* can't Over 80% of power supply. Overworking can be seriously damaging the module(the constant-current source will push down the voltage when load increases)*it is recommended* power line of the *Diffused LED Pixel Module* are connected with the power supply or power bus.

Becuse adopts low voltage input, absolutely not allow direct access to AC (such as 110V), otherwise it will cause the LED module sustained damage.