Circuit Description

When the product works, we need to insert the power supply into the reasonable household power of (120V) 60Hz, then power supply changes the power of 120V into the low voltage of DC12V which can be used by LED , then the outputting DC12V is supplied to circuit board in the lamp body through the switch control. Through the steady voltage circuit which is composed by Q1,R1,R2,R3,W1 on circuit board, then outputting steady voltage 10.7V is supplied to 5 groups of LED to use, so in this way, it changes the eletricity into light.

Note: 5 groups of LED are:

1: R4, LED4, LED5, LED6; 2: R5,LED2, LED3, LED14;

3: R6,LED1, LED12, LED13; 4: R7,LED10, LED11, LED15;

5: R8,LED9, LED8, LED7;

(in this, R4, R5, R6, R7, R8 are resistors which can limit the current)