

---

## Specification For 3528 SMD 3-LED Module (Waterproof)

Part Number	Color
20NEO-F12D43R3-E	☐ Red
20NEO-F12D43Y3-E	☐ Yellow
20NEO-F12D43B3-E	☐ Blue
20NEO-F12D43G3-E	☐ Green
20NEO-F12D43W3-E	☐ Pure White
20NEO-F12D43CW3-E	☐ Cool White
20NEO-F12D43WW3-E	☐ Warm White



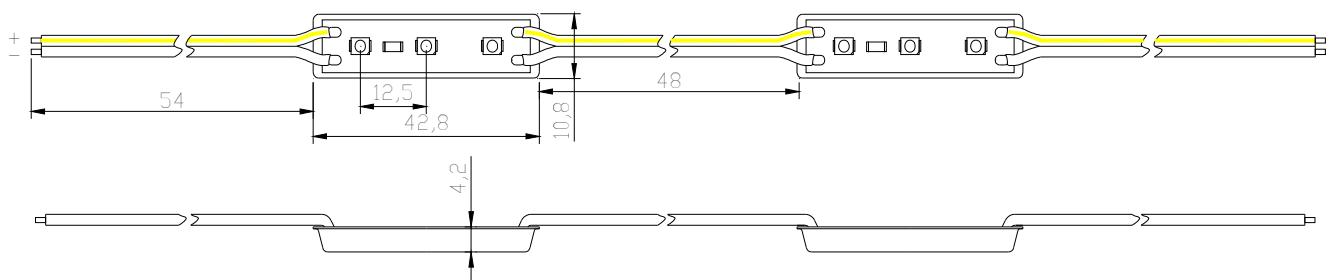
## Features for one LED module:

- ✧ To adopt the 3528 SMD LED as the light source;
- ✧ Working Voltage : DC12 V
- ✧ LED Working Current : 17-19mA
- ✧ LED View Angle : 120DEG
- ✧ Grade of waterproof : IP65
- ✧ Packing : Carton

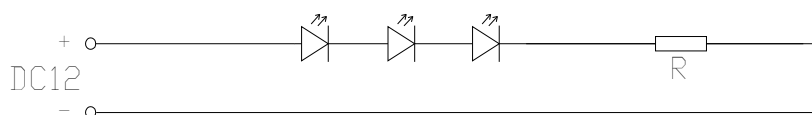
## Applications :

- ✧ Add. boxes ;
- ✧ Lighting projects ;
- ✧ Family decorations ;
- ✧ Special lighting in other places ;

## Product measurement and circuit diagram



单位 :  $\text{mm}$



**Absolute maximum parameter ( Ta=25°C ) one LED module :**

Item	Symble	Absolute Maximum parameter	Unit
Forward Current	IF	20	mA
Power	PD	0.24	W
Anti-static Voltage	ESD	800	V
Working temperature	Topr	-25~+45	°C
Storage temperature	Tstg	-40~+80	°C

**Electrical / Optical characteristics(Ta=25°C)**

Part No.	color	Max Power	Work Current	Wave/color temperature	Chain Luminous Flux	Quantity in chain
20NEO-F12D43R3-E	R	4.8	0.4A	625-630nm	80Lm	20
20NEO-F12D43Y3-E	Y	4.8	0.4A	590-595nm	80Lm	
20NEO-F12D43B3-E	B	4.8	0.4A	465-470nm	80Lm	
20NEO-F12D43G3-E	G	4.8	0.4A	515-520nm	80Lm	
20NEO-F12D43W3-E	PW	4.8	0.4A	5000-6000k	280Lm	
20NEO-F12D43CW3-E	CW	4.8	0.4A	7000-9000k	280Lm	
20NEO-F12D43WW3-E	WW	4.8	0.4A	2900-3200k	220Lm	

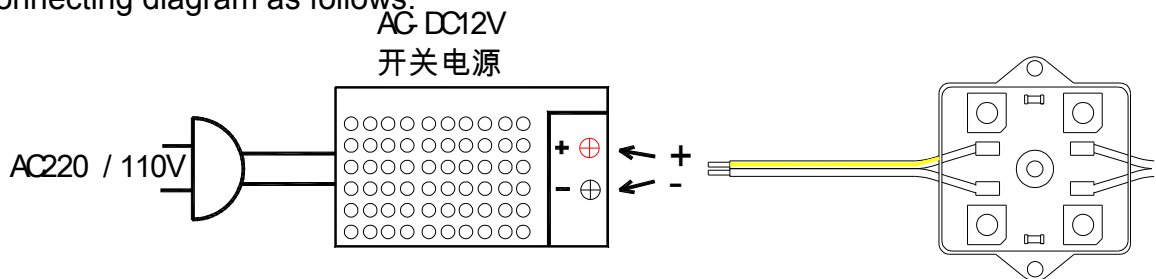
Remark: 1. Flux measurements allow tolerance of ± 15%. 2.LED Flux, Wave length, color temperature parameter can be produced by customers specifying.

---

## Instruction :

### 1、 Wires connecting methods :

3 PCS 3528 LED module (waterproof): 2 power wires are to be connected from the products. One is yellow color, the other is pure white color, the diameter is 22AWG, and the length is 110mm. The yellow wire should be connected at DC12v power positive pole, and the pure white wire should be connected at DC12v power negative pole. The wires connecting diagram as follows:



### 2 Installation methods :

To Put the double glue fabric on the base.

### 3.Installation remarks :

- 1 ) 、 correct connecting
- 2 ) 、 Do not extend the absolute maximum parameter when the products are working
- 3 ) 、 Note anti-static as the process of installing and working. Do not touch the light source and glue with the sharp things
- 4)、 Do not touch the chemicals, close fire
- 5 ) 、 The longest one-way to power a few lights to not more than 100 light source