



DC24V LC8816A 60灯幻彩RGBX灯条

DC24V LC8816A 60LED/M DIGITAL RGBX LED PIXEL STRIP

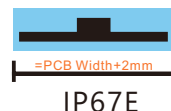
Model: LC-8816AF5050RGBX60XM10W-24V

版本号 (Version Number): L1.2



产品特性(Product Features)

- (1)、DC24V内置IC幻彩RGBX灯条
DC24V built-in IC addressable RGBX pixel strip
- (2)、1灯1像素，单灯单剪，功耗低
Every LED is a pixel and individually cuttable, low power consumption.
- (3)、纯白光幻彩灯条，视觉效果更丰富
Digital pure white color led strip, providing more visual effects.
- (4)、3盎司压延铜双面板
3OZ double-sided rolled copper PCB.
- (5)、正品3M 300LSE背胶
3M 300LSE Sticker.
- (6)、IP20/IP65/IP67/IP67E/IP68 防水工艺可选
IP20/IP65/IP67/IP67E/IP68 Waterproof level is available.



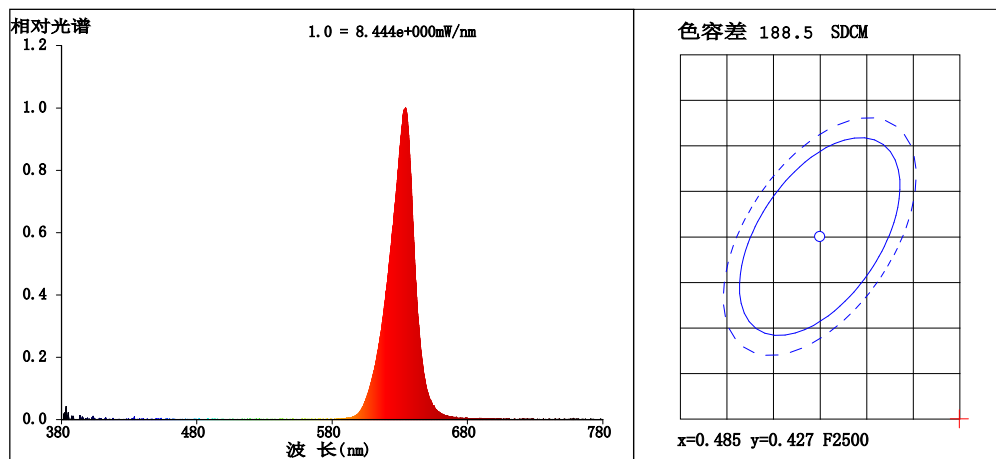
基本参数 (Basic Parameter)

防水等级 (IP Rating)	IP20
电压 (Voltage)	DC24V
功率 (Power)	16.8W/M $\pm$ 10%
LED数量 (LED Quantity)	60LED/M
像素点数 (Pixel Quantity)	60Pixel/M
发光颜色 (Emitting Color)	RGBW
发光角度 (Beam Angle)	120°
PCB板宽 (PCB Width)	10MM
剪切长度 (Cutting Unit Length)	16.66MM
PCB板颜色 (PCB Color)	黑 / 白 (Black/White)
长度 (Length)	5M/卷(Roll)
工作温度 (Operating Temperature)	-40 ~ 65°C
储存温度 (Storage Temperature)	-50 ~ 65°C

产品图片 (Product Picture)



光谱图 (Spectrum) 测试长度: 1米 (Testlength:1meter)



颜色参数 (Colorimetric Parameters): R

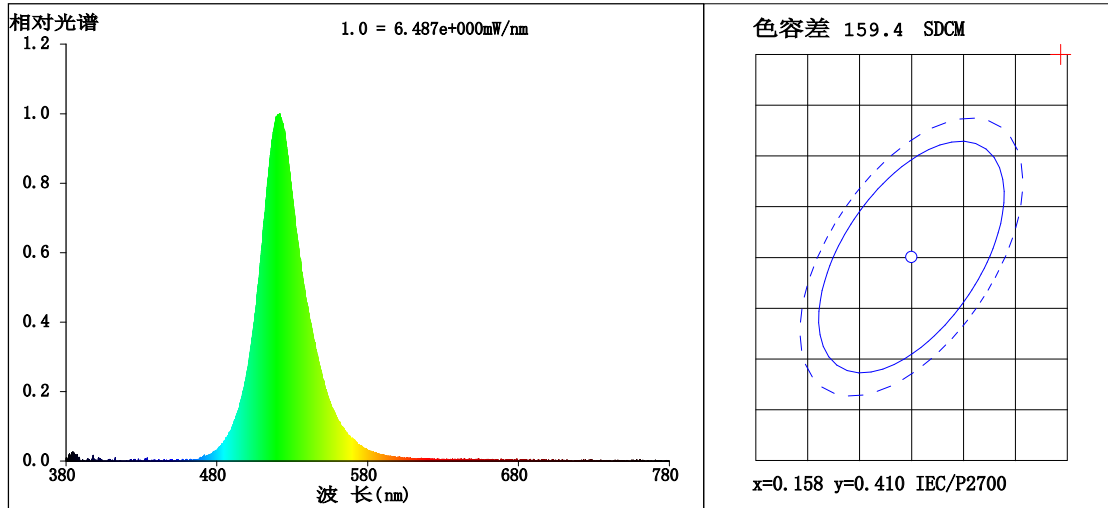
色品坐标(Chromaticity Coordinate): $x=0.6999$ $y=0.3001$ / $u'=0.5383$ $v'=0.5193$ 相关色温(Color Temperature): CCT=1001K 主波长(Dominant Wavelength): $\lambda_d=624.5\text{nm}$ 色纯度 (Purity) =100%峰值波长(PeakWL): $\lambda_p=634.3\text{nm}$ 半峰带宽 (FWHM) =18.9nm 平均波长 $\lambda_{av}=631.4\text{nm}$ 显色指数(Render Index): $R_a = 24.6$ $R_1 = 2$ $R_2 = 78$ $R_3 = 28$ $R_4 = 0$ $R_5 = 0$ $R_6 = 89$ $R_7 = 0$ $R_8 = 0$ $R_9 = 0$ $R_{10} = 71$ $R_{11} = 0$ $R_{12} = 80$ $R_{13} = 28$ $R_{14} = 57$ $R_{15} = 0$

光度/辐射度参数(Photometric&Radiometric Parameters):

光通量 $\Phi = 50.676\text{lm}$ 光效Eff: 4.34 lm/W 辐射通量 $\Phi_e = 250.27\text{mW}$

电气参数(Electrical Parameters):

电压 $V = 24.00\text{V}$ 电流 $I = 0.4860\text{A}$ 功率 $P = 11.66\text{W}$ 功率因数 $\text{PF} = 1.000$ 频率 $F = 50.00\text{Hz}$



颜色参数 (Colorimetric Parameters): G

色品坐标(Chromaticity Coordinate): $x=0.1724$ $y=0.7263$ / $u'=0.0606$ $v'=0.5749$

相关色温(Color Temperature): CCT=7775K 主波长(Dominant Wavelength): $\lambda_d=527.6\text{nm}$ 色纯度 (Purity) =81.4%

峰值波长(Peak WL): $\lambda_p=521.7\text{nm}$ 半峰带宽 (FWHM) =30.7nm 平均波长 $\lambda_{av}=523.7\text{nm}$

显色指数(Render Index):Ra = 0.0

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0

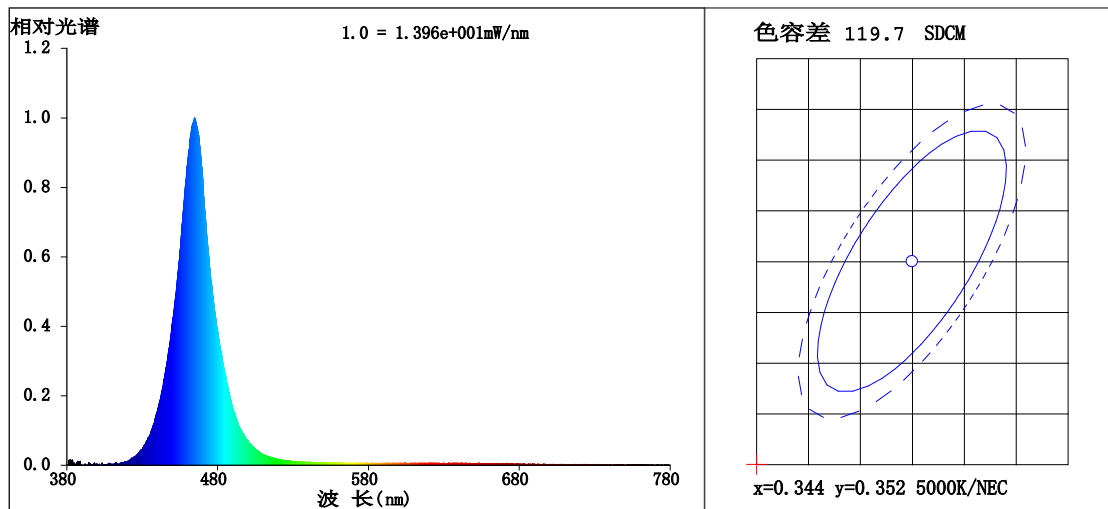
R8 =0 R9 =0 R10 =0 R11 =0 R12 =0 R13 =0 R14 =39 R15 =0

光度/辐射度参数(Photometric&Radiometric Parameters):

光通量 $\Phi = 151.6\text{lm}$ 光效Eff: 13.02 lm/W 辐射通量 $\Phi_e = 313.44\text{mW}$

电气参数(Electrical Parameters):

电压 V = 24.00 V 电流 =0.4850 A 功率 P = 11.64 W 功率因数 PF = 1.000 频率F=50.00 Hz



颜色参数 (Colorimetric Parameters): B

色品坐标(Chromaticity Coordinate): $x=0.1413$ $y=0.0677$ / $u'=0.1602$ $v'=0.1726$

相关色温(Color Temperature): CCT=100000K 主波长(Dominant Wavelength): $\lambda_d=468.2\text{nm}$ 色纯度 (Purity) =93.8%

峰值波长(Peak WL): $\lambda_p=464.7\text{nm}$ 半峰带宽 (FWHM) =24.1nm 平均波长 $\lambda_{av}=465.5\text{nm}$

显色指数(Render Index):Ra = 6.6

R1 =21 R2 =0 R3 =0 R4 =0 R5 =31 R6 =0 R7 =0

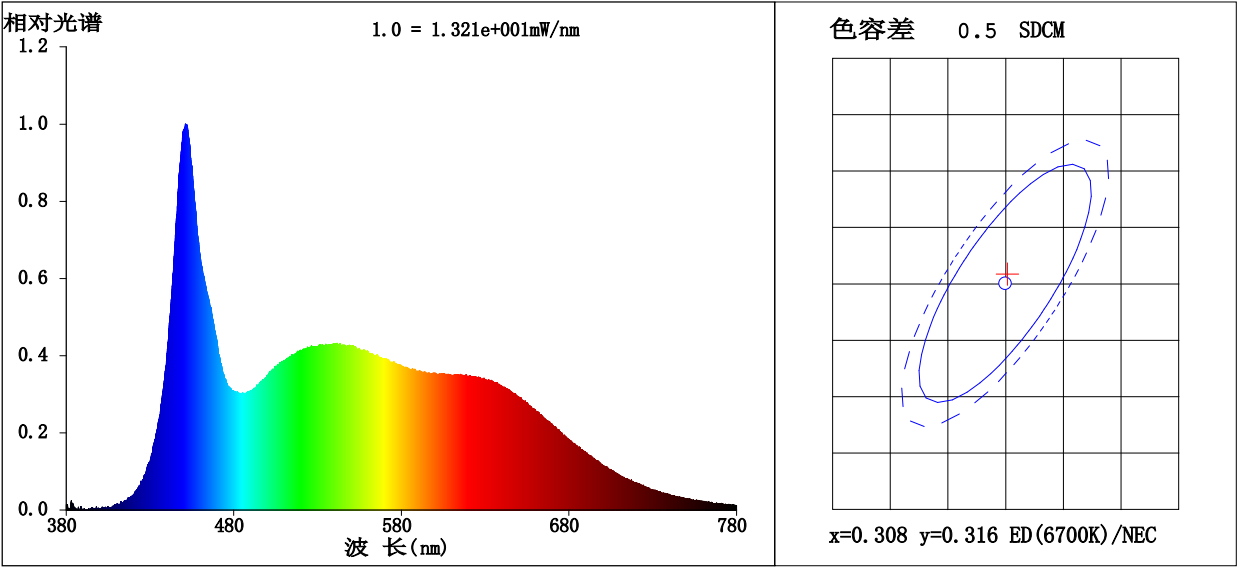
R8 =0 R9 =0 R10 =0 R11 =0 R12 =0 R13 =5 R14 =0 R15 =28

光度/辐射度参数(Photometric&Radiometric Parameters):

光通量 $\Phi = 38.348\text{lm}$ 光效Eff: 3.29 lm/W 辐射通量 $\Phi_e = 525.13\text{mW}$

电气参数(Electrical Parameters):

电压 V = 24.00 V 电流 =0.48500 A 功率 P = 11.64 W 功率因数 PF = 1.000 频率F=50.00 Hz



颜色参数 (Colorimetric Parameters): W
色品坐标(Chromaticity Coordinate): x =0.3082 y=0.3168/u '=0.1993 v '=0.4610
相关色温(Color Temperature): CCT=6883K 主波长(Dominant Wavelength): λd=482.7nm 色纯度 (Purity) =9.9%
峰值波长(Peak WL): λp=451.2nm 半峰带宽 (FWHM) =25.3nm 平均波长Lav=544.3 nm

显色指数(Render Index):Ra = 92.2
R1 =96 R2 =94 R3 =87 R4 =92 R5 =91 R6 =86 R7 =93
R8 =94 R9 =92 R10 =90 R11 =96 R12=69 R13=98 R14 =96 R15=97

光度/辐射度参数(Photometric&Radiometric Parameters):
光通量Φ = 472.42 lm 光效Eff: 40.18lm/W 辐射通量 Φe = 1.7713 W

电气参数(Electrical Parameters):
电压 V = 24.00 V 电流 =0.492 A 功率 P = 11.81W 功率因数 PF = 1.000 频率F=50.00 Hz

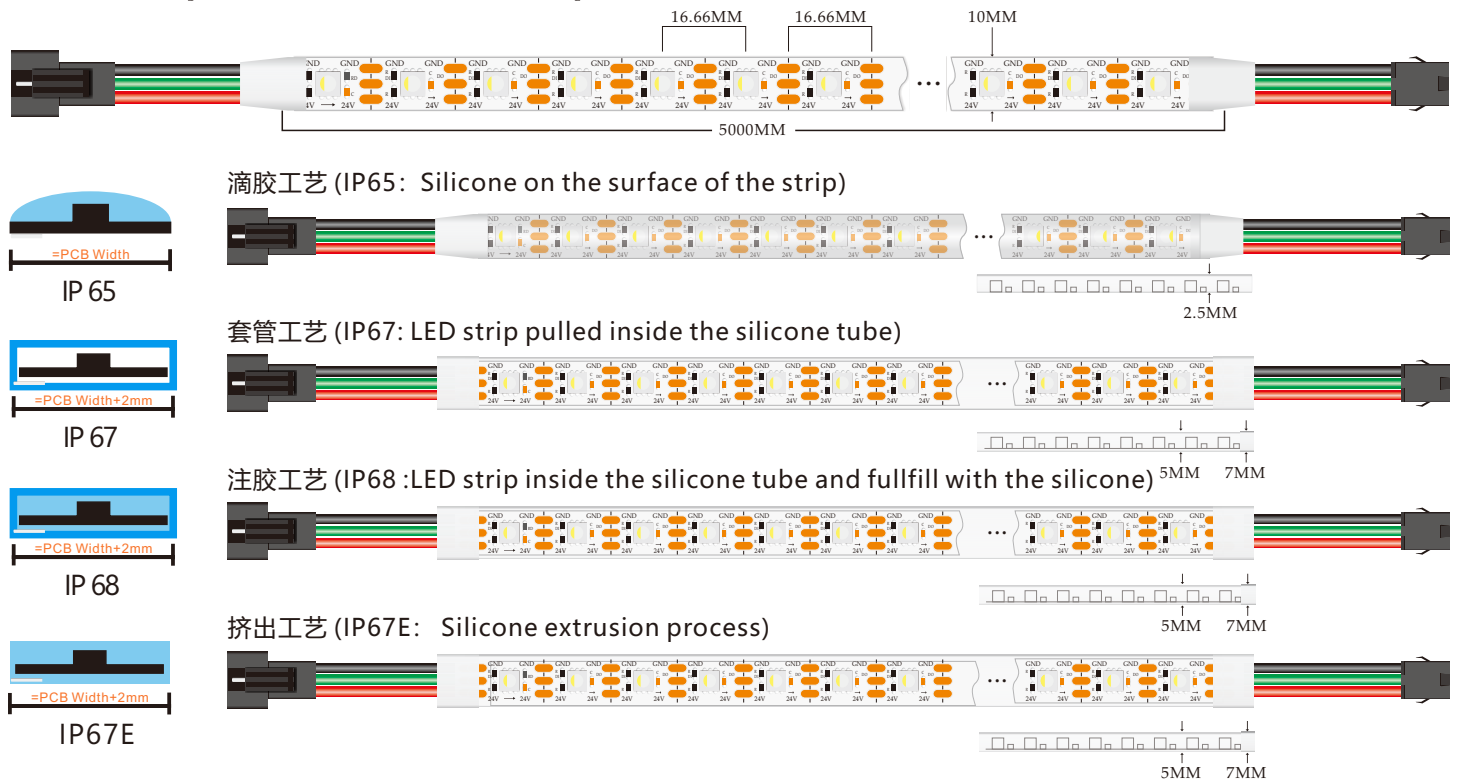
灯带亮度 (Brightness of LED Strip)

流明/米lumen/M (±10%)	
R ●	55LM
G ●	167LM
B ●	42LM
W ●	520LM

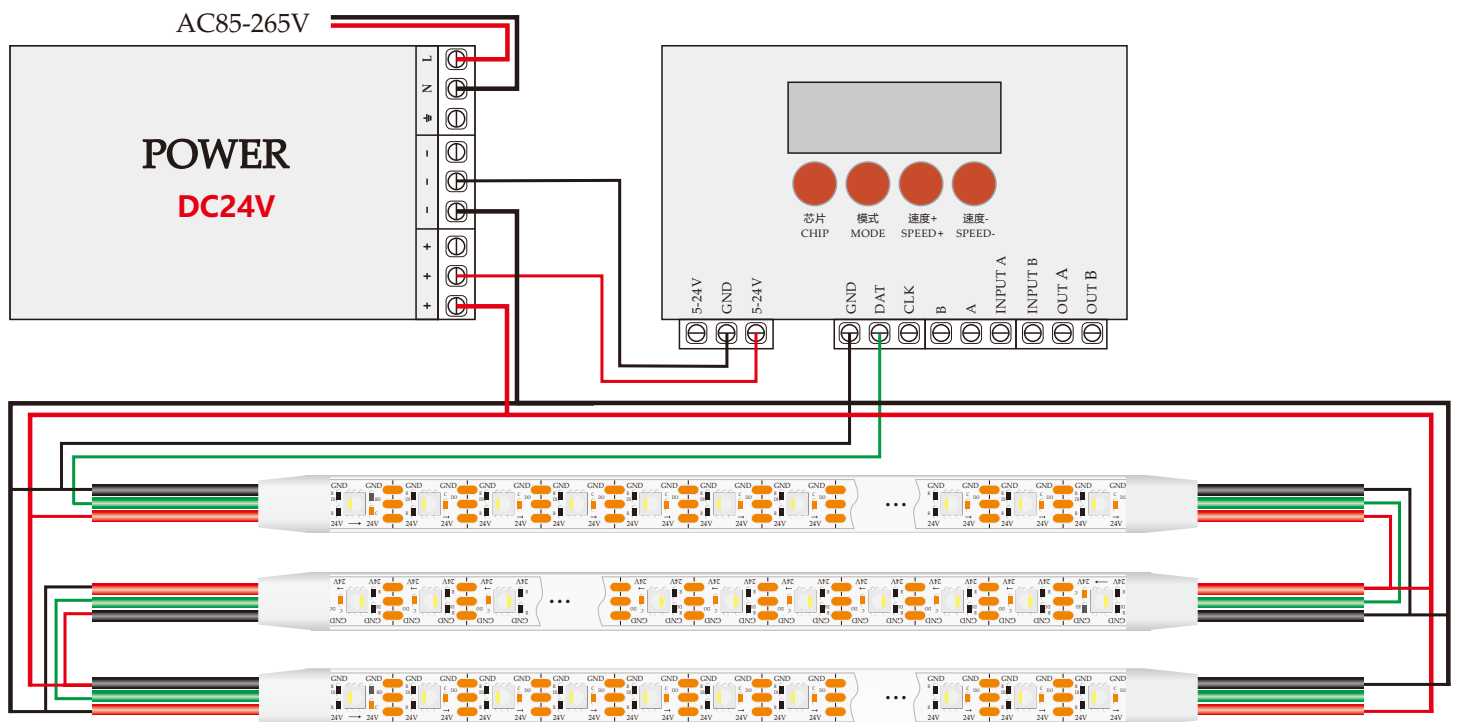
波长(Wavelength)

CCT	
R ●	620nm-630nm
G ●	520nm-535nm
B ●	460nm-475nm
W ●	3000/4000/6000K

产品尺寸 (Product Dimensions)



安装接线图 (Connection Diagram)



注意事项:

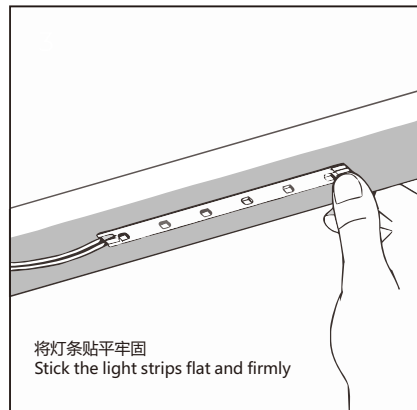
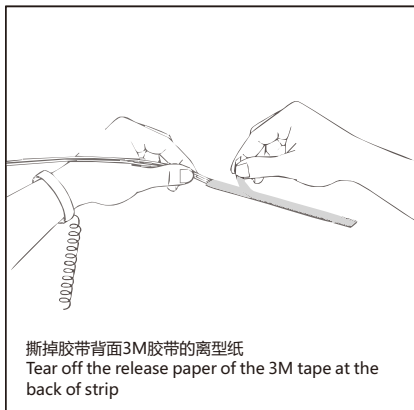
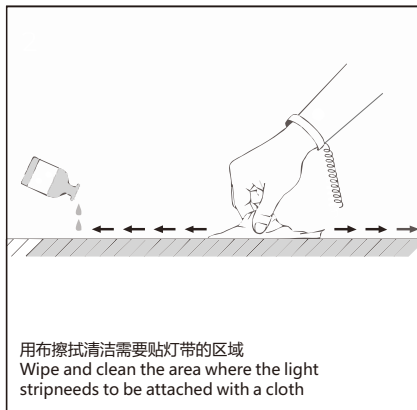
1. 交流电接线必须要连接地线, 防止触电。
2. 灯带的主导电线过载电流为各分电线电流的总和, 所以在实际工程运用中要适当的加大主导电线的型号, 来防止电线过热, 发生事故。
3. 此规格书只针对常规报价产品, 特定产品有指定参数, 不在此规格书范围内。

Notes:

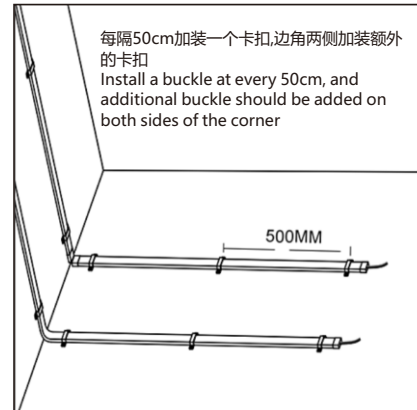
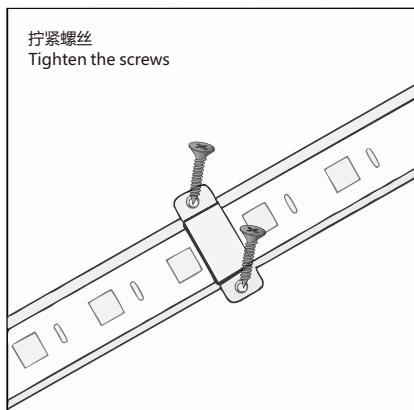
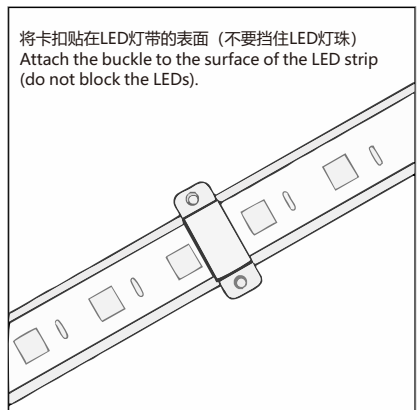
1. AC wiring must be connected to a ground wire to prevent electric shock.
2. The overload current of the main wire of the light strip is the sum of the currents of each branch wire, so in practical engineering applications, it is necessary to appropriately increase the model of the main wire to prevent overheating and accidents.
3. This specification only applies to regular quoted products, and specific products have specified parameters that are not

安装方式 (Installation Method)

背胶安装(Adhesive Installation)



卡扣安装(Buckle Installation)



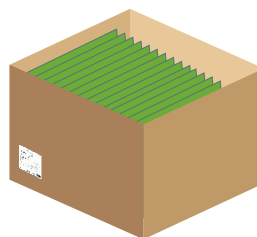
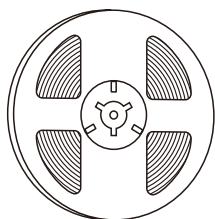
包装(Packing)

5米/卷(5M/Roll)

防静电袋(Anti-static bag)

装箱(Packing)

打包(Packing)



备注: 1. 以上仅为常规产品包装。定制产品的包装方式将根据实际尺寸另行确定。

2. 产品保修期可选2年至5年。请在下单时注明保修时间。

Note: 1. The above is only for regular product packaging. The packaging method for customized products will be determined separately based on the actual size.

2. The warranty of the product can be 2- 5 years. Please specify the warranty time when placing the order.

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