COLORS®
Linear Lighting

户外五年质保 NEW

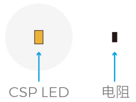
超耐候灯带

5 years WARRANTY
≤5 SDCM
-40°C +60°C
IP67
Outdoor

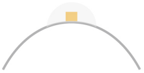
超级耐用

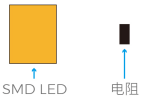
超小LED灯珠与电阻

更小的受力面积在扭曲、弯折和拉伸时不易断裂

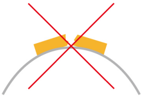


尺寸: 0.5*0.8mm



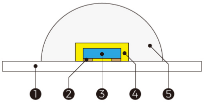


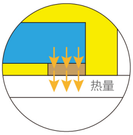
尺寸: 2.8*3.5mm



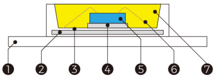
倒装芯片封装

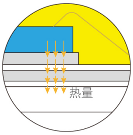
无支架、镀银层、金线，耐候性强，-40°C~60°C





散热路径





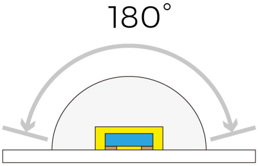
散热路径

❶ FPCB
CSP LED
❷ 金属板
❸ 芯片
❹ 荧光胶
❺ 硅胶

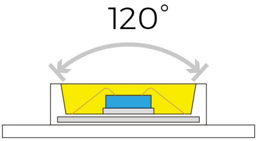
❶ FPCB
SMD LED
❷ 支架
❸ 电极
❹ 镀银层
❺ 芯片
❻ 金线
❼ 荧光胶

更大的发光角度

更柔和的光线



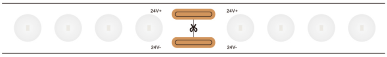
CSP LED



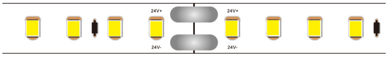
SMD LED

卷对卷

极少或没有焊点，降低断板风险


24V+
24V+
24V-
24V-

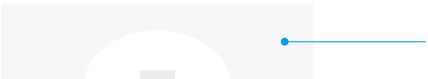
卷对卷 FPC
*仅24V白光


24V+
24V+
24V-
24V-

板对板 FPC

EF IP67

内嵌PET板，抗弯曲、扭曲和拉力强



一体硅胶挤出

ESD 工艺

防眩光、防尘、易清洁

模压堵头

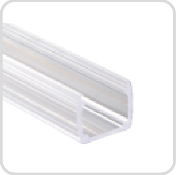
同宽度模压堵头, IP67

配件

固定硅胶夹

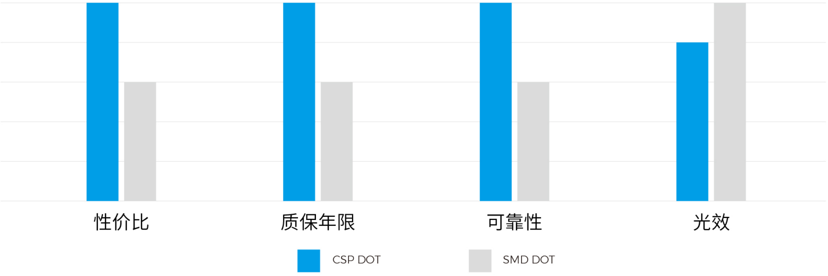
硅胶堵头

PVC槽



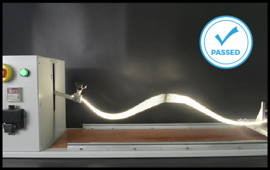
铝槽

价格&性能对比



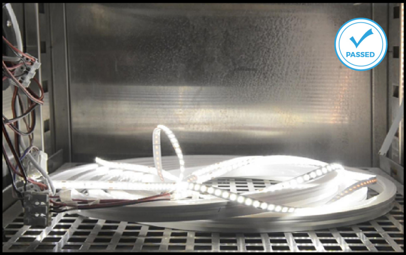
高可靠性测试

缠绕测试
在直径30mm滚筒上缠绕100圈



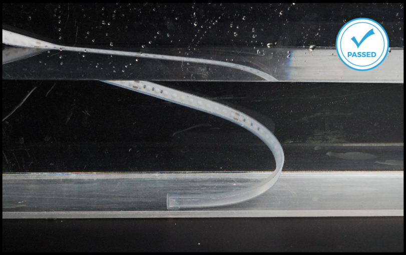
甩板测试
20N 拉力，上下10000次

扭曲测试
20N拉力，顺时针和逆时针各扭曲4圈，共50次



高低温储存测试
-40°C~85°C,168小时

高温高湿测试
60°C，85% 湿度，168小时



IP67 防水测试
1m水深，测试30分钟

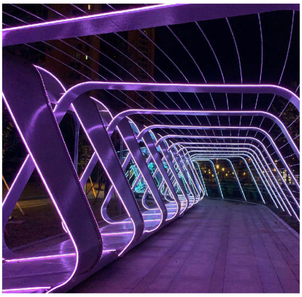
红墨水测试

灯带放入120°C红墨水90分钟

抗硫化测试

灯带与5g硫磺粉放入容器中，加热至85°C，测试24小时

户外应用案例



产品参数

	产品型号	LEDs/m	额定功率/m	LM/m	色温	LEDs/裁剪单元(mm)	长度(m)	IP等级*	质保年限
R2R	PD80-24V-8mm	80	4.8	410	27/30/40/6500K	8/100	5	EF	5
R2R	PD128-24V-8mm	128	9.6	795	27/30/40/6500K	8/62.5	5	EF	5
R2R	PD160-24V-8mm	160	12	995	27/30/40/6500K	8/50	5	EF	5
25M ULTRA LONG	PD120-48V-12mm	120	9.6	560	27/30/40/6500K	12/100	25	EF	5
CCT	PD128SWW-24V-10mm	256	18	1280	27+6500K	8/62.5	5	EF	5
RGB	PD60RGB-24V-10mm	180	9.6	300	RGB	6/100	5	EF	5
RGB	PD120RGB-24V-10mm	360	14.4	450	RGB	6/50	5	EF	5
RGBW	PD70RGBW-24V-12mm	280	16.8	640	RGB+27/30/40/6500K	7/100	5	EF	5

*EF-IP67