

Product Specification

产品规格书

Item No.:

HH-SX528F008WXX-COB

产品型号:

Series: COB Series

产品系列: COB系列

Confirmation/制作	Approval/审核	Audit/确认	Date/日期	Version/版本
				1.0

Features(特征)

COB Design, with more chips on PCB, more even light.

COB设计方案, 更多的芯片在板上, 光更均匀.

Up to 528 chips on 1 meter PCB, only 1.9mm space between chips.

1米高达528颗芯片, 芯片之间的间距只有1.9mm.

Cuttable at every 45.45mm length.

每45.45mm可裁剪.

Efficiency up to 105Lm/W.

光效高达105Lm/W.

CE, Rohs, UL listed.

CE, Rohs, UL认证

Picture(图片)

12VDC

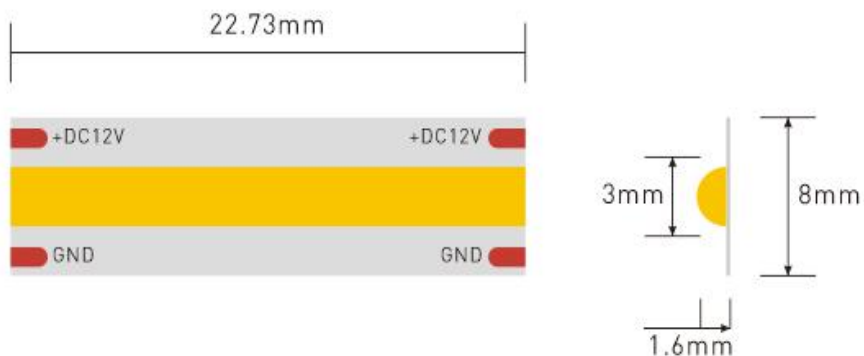


24VDC



Dimensions(尺寸)

12VDC



24VDC



Specifications(参数)

Item NO.	HH-SX528F008W24-COB					
产品型号	HH-SX528F008W24-COB					
LED Chip/Meter	528					
LED芯片/数量	528					
Input Voltage	12Vdc			24Vdc		
输入电压	12Vdc			24Vdc		
Cutting Length	22.73mm			45.45mm		
裁剪长度	22.73mm			45.45mm		
PCB	8mm, white					
板子	8mm, white					
Power	10W/M					
功率	10W/M					
Ra	Ra 80+			Ra 90+		
显色指数	Ra 80+			Ra 90+		
CCT	2700K	3000K	4000-6500K	2700K	3000K	4000-6500K
色温	2700K	3000K	4000-6500K	2700K	3000K	4000-6500K
Brightness	950Lm/M	1000Lm/M	1050Lm/M	800Lm/M	850Lm/M	950Lm/M
亮度	950Lm/M	1000Lm/M	1050Lm/M	800Lm/M	850Lm/M	950Lm/M
Efficiency	95Lm/W	100Lm/W	105Lm/W	80Lm/W	85Lm/W	95Lm/W
光效	95Lm/W	100Lm/W	105Lm/W	80Lm/W	85Lm/W	95Lm/W
Package Length	5 meters					
包装长度	5 meters					
Size	Width: 8mm; Height: 1.6mm					
尺寸	Width: 8mm; Height: 1.6mm					

Lifespan	50,000 H
工作时长	50,000 H
Working Temperature	-20°C - 40°C
工作温度	-20°C - 40°C
Storage Temperature	-20°C - 45°C
储存温度	-20°C - 45°C
Warranty	3 years
质保	3 years

* The above measurements of watts, brightness and efficiency allowance tolerance $\pm 10\%$.

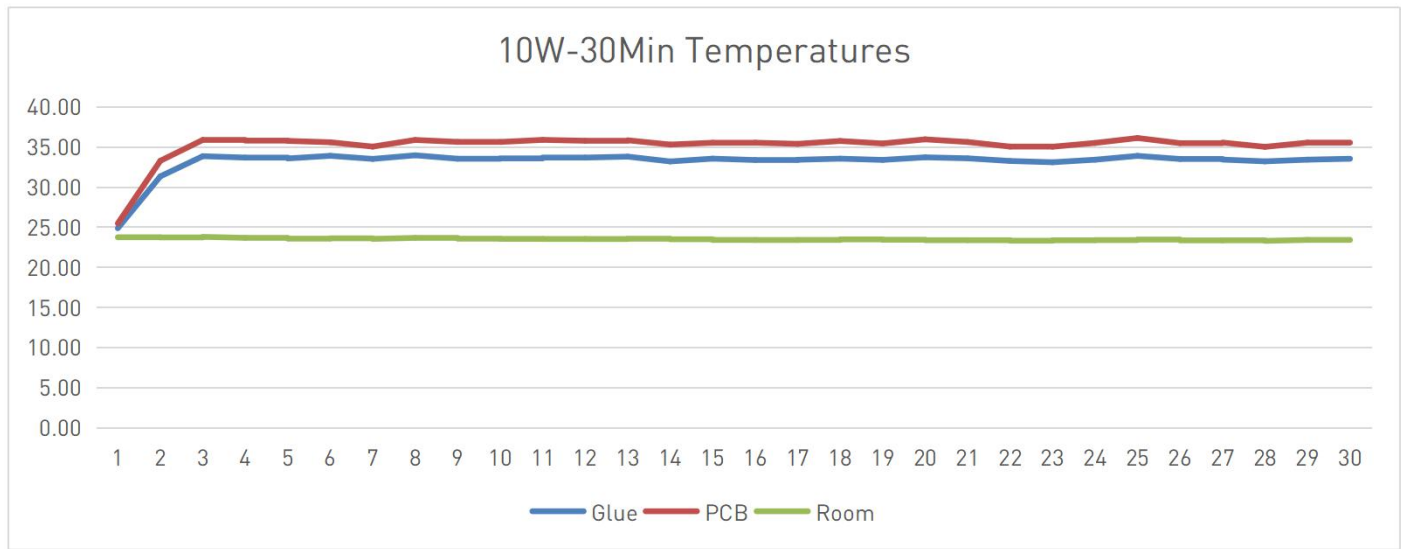
* 以上功率和光效允许误差范围是 $\pm 10\%$.

* The above measurements are based on IP20.

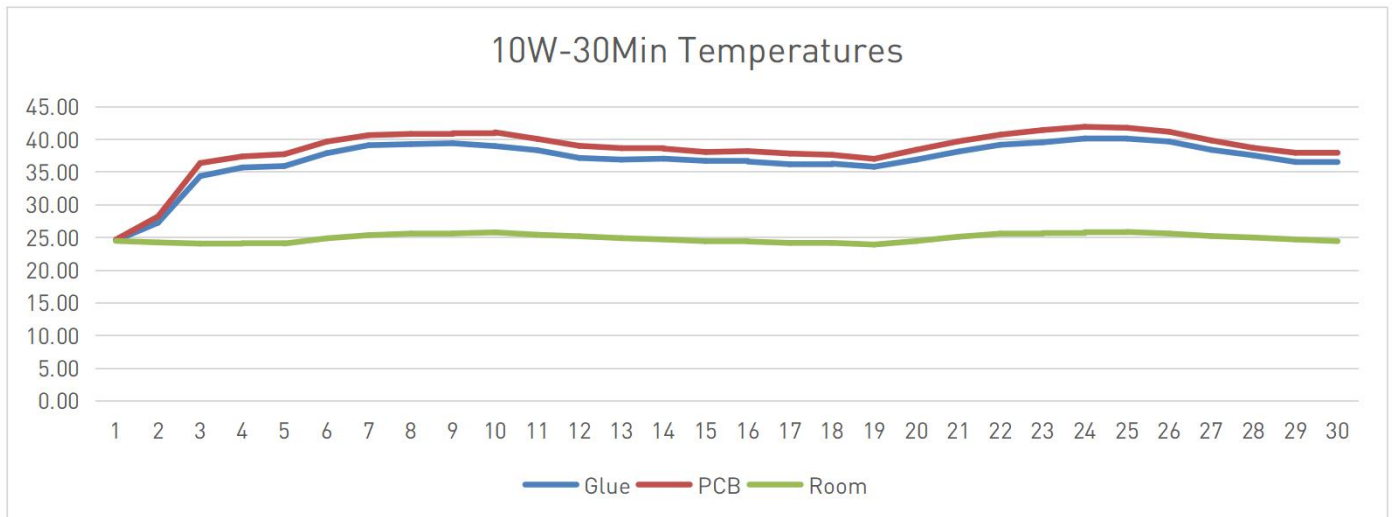
以上测量均基于IP20.

Temperature Curve(温升曲线)

12Vdc



24Vdc



* The above curves based on 30 minutes testing data. The Temp. changes after powering within 30 minutes.

* 以上的曲线基于30分钟的测试数据, 显示通电之后30分钟的温度变化.

* The x-axis indicates the minutes from 1 minutes to 30 minutes.

* X轴表示时间从第1分钟到第30分钟.

* The y-axis indicates the changes of temperatures in Glue, PCB and Room.

* Y轴表示胶水, PCB和环境温度变化.

Brightness Consistency(亮度一致性)

The following charts shows the voltage, lumen and brightness drop on each meter.

以下表格展示每一米上的是电压, 流明和亮度差

12Vdc

Chart1, Based on 5m Running/表格1, 基于5米连接长度.

Length	1m	2m	3m	4m	5m
Voltage	11.37	11	10.79	10.68	10.65
Lumen	636.46	419.17	295.84	231.24	213.63
Drop	0.00%	-34.14%	-53.52%	-63.67%	-66.44%

Chart2, Based on 4m Running/表格2, 基于4米连接长度.

Length	1m	2m	3m	4m
Voltage	11.39	11.03	10.82	10.83
Lumen	648.21	436.79	313.46	319.33
Drop	0.00%	-32.62%	-51.64%	-50.74%

Chart3, Based on 3m Running/表格3, 基于3米连接长度.

Length	1m	2m	3m
Voltage	11.42	11.16	11.08
Lumen	665.82	513.13	466.15
Drop	0.00%	-22.93%	-29.99%

From above charts, for better brightness consistency, the recommend length is 3m for powering on one side.

基于以上数据, 为了更好的亮度一致性, 推荐单端供电时的安装长度为3米

24Vdc

Chart1, Based on 5m Running/表格1, 基于5米连接长度.

Length	1m	2m	3m	4m	5m
Voltage	23.48	23.1	22.83	22.67	22.66
Brightness	840.33	723.06	639.74	590.36	587.28
Drop	0.00%	-13.96%	-23.87%	-29.75%	-30.11%


Chart2, Based on 4m Running/表格2, 基于4米连接长度.

Length	1m	2m	3m	4m
Voltage	23.58	23.25	23.07	23.06
Brightness	871.19	769.35	713.80	710.72
Drop	0.00%	-11.69%	-18.07%	-18.42%

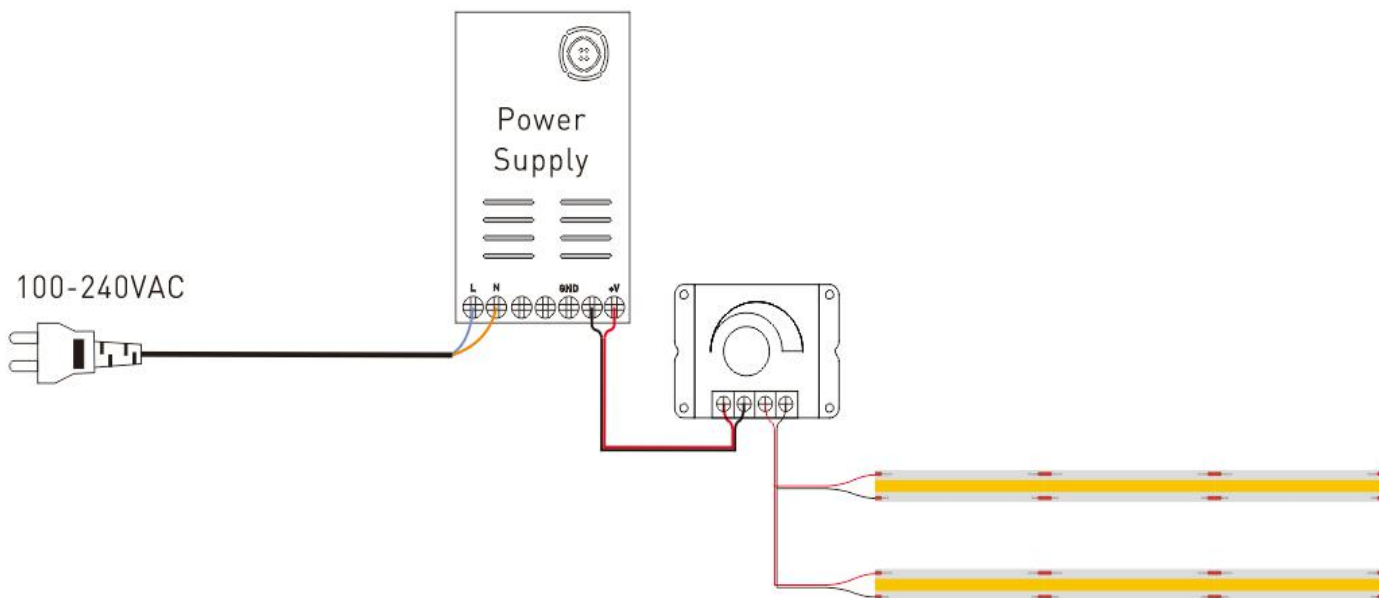
From above charts, for better brightness consistency, the recommend length is 5m for powering on one side.

基于以上数据, 为了更好的亮度一致性, 推荐单端供电时的安装长度为5米

Waterproof Ways(防水方式)

Waterproof Ways	IP Rating	Details
防水方式	防水等级	细节说明
	IP65	Injected with Silicone Tube or Heat Shrink Tube 硅胶套管或者热缩套管防水

Installation Ways(安装方式)



* The max running length is 3(12Vdc)/5(24Vdc) meters, for over 3(12Vdc)/5(24Vdc) meters please connect in parallel.
最大连接长度为3(12Vdc)/5(24Vdc) 米, 超过3(12Vdc)/5(24Vdc)米, 请并联.

* Make sure of the total watts of COB Strip lights is less than 80% of the power supply's max output.

确保灯带的总的功率小于电源输出功率的80%.

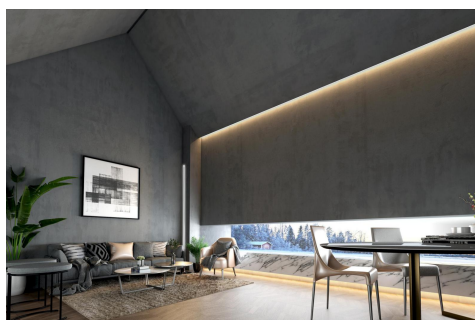
* Match the polarities according to the mark ('+' and '-') in the PCB while connecting.

连接时, 请对准PCB板上标注的极性.

Applications(应用)

* Residential lighting, decorative lighting, indirect lighting.

住宅照明, 装饰照明, 间接照明



Package(包装)

①) 5 meters per roll.

5m一卷.

②) Each roll packed with anti-static bags, and label on it.

每一卷放入静电袋中, 静电袋表面贴标签.

③) 25 rolls into a inner box(30cm x 24cm x 26cm).

25卷放入一个内箱中(30cm x 24cm x 26cm).

④-⑤) 2 inner boxes into a large carton (50cm*30cm*29cm).

2个小箱放入一个大箱.

