



Huizhou Wisva Optoelectronics Co.,Ltd

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# Product Specification

产品规格书

Item No.:

HH-SWWW576F005W12CCT-COB-0302WW-2W

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
许韩腾	林延安		2022/12/23	1.0

Features(特征)

Chip-on-board design, with more chips on PCB, the lighting effects are more evenly.  
COB设计方案, 更多的芯片在板子上, 光更均匀.

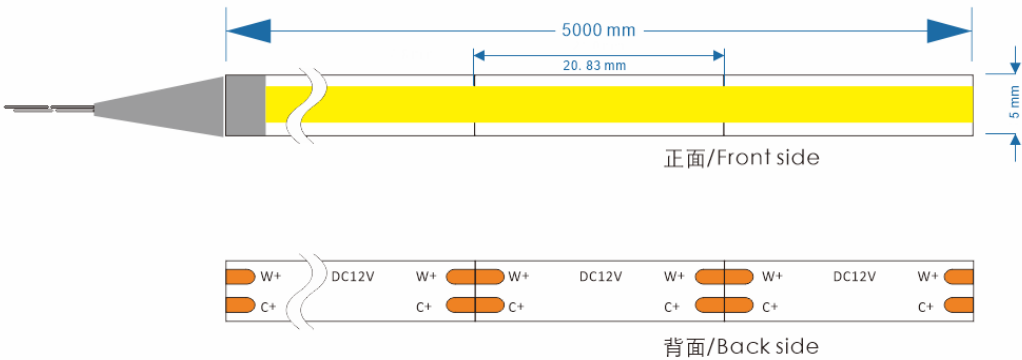
Dual white with dual-wire design, PCB width is only 5mm, CCT range is 2700K-6500K.  
双色温双线设计, 板宽仅5mm, 色温范围 2700K-6500K。

Double layer 2oz PCB, balancing voltage drop, heat dissipation and flexibility.  
双面2盎司铜箔柔性FPC, 兼顾产品压降、散热及柔性.

Picture(图片)



Dimensions(尺寸)



Specifications(参数)

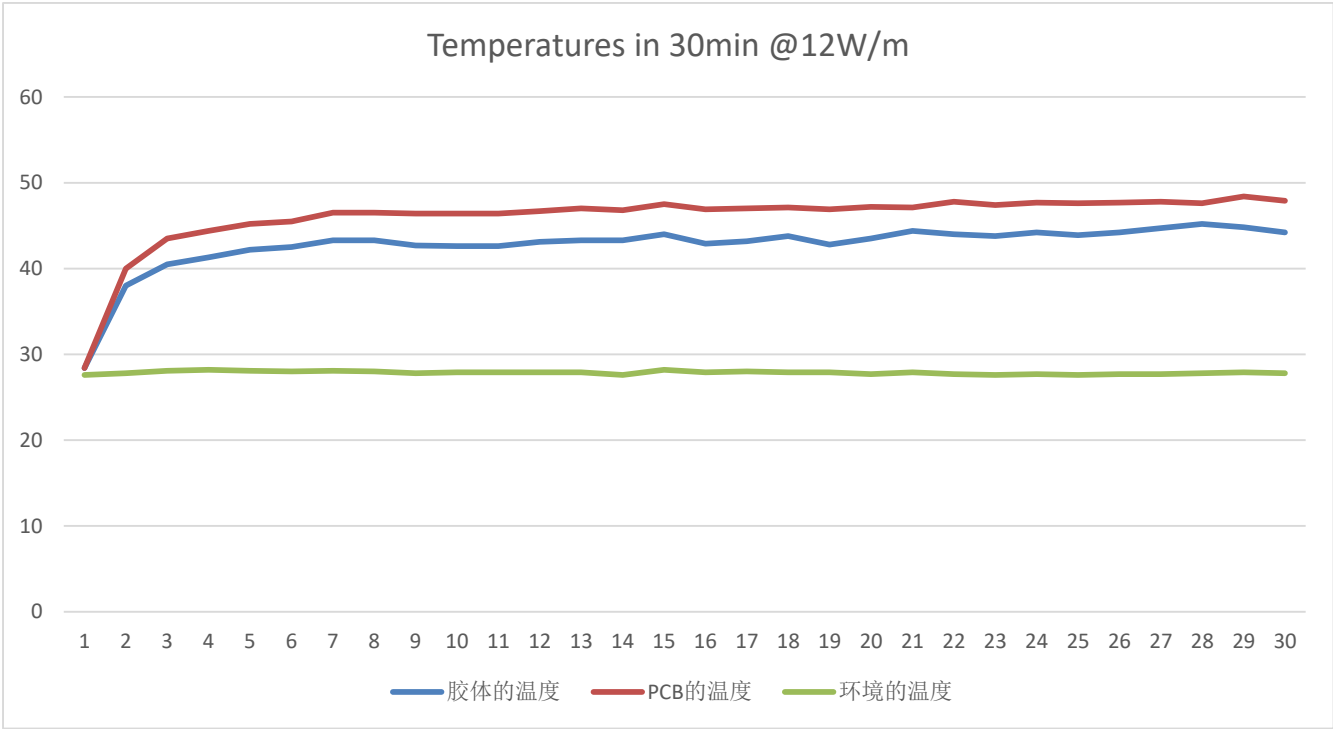
Item NO.	HH-SWWW576F005W12CCT-COB-0302WW-2W
产品型号	
Code NO.	COB576105-CCT-DW
代号	
Input Voltage	12V
输入电压	
PCB	2oz, white
板子	
Ra	Ra 90+
显色指数	

CCT	2700K	6500K
色温		
Power	6W/m	6W/m
功率		
Brightness	360Lm/m	450Lm/m
亮度		
Efficiency	60Lm/W	75Lm/W
光效		
Package Length	5 meters	
包装长度		
Size	Width: 5mm; Height: 1.6mm	
尺寸		
Cutting Length	20.83mm	
裁剪长度		
Lifespan	50,000 H	
工作时长		
Working Temperature	-20°C - 40°C	
工作温度		
Storage Temperature	-20°C - 45°C	
储存温度		
Warranty	3 years	
质保		

\* 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.

Temp. Curve(温升曲线)



\* The above curve 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, Resistor, PCB and Room.
- \* Y轴表示胶水, 电阻, PCB和环境温度变化.
- \* The above test are based on dual channels running at max watts. However, in most of installations, the COB CCT strip are used with CCT controllers, which will make the COB CCT strip running in 6W/m only.
- \* 以上的测试基于双通道运行在最大功率, 但是大部分安装场景中, COB可调色温灯带是和控制器一起工作的, 控制器会使得COB可调色温的功率运行在6W/m.

Brightness Consistency(亮度一致性)

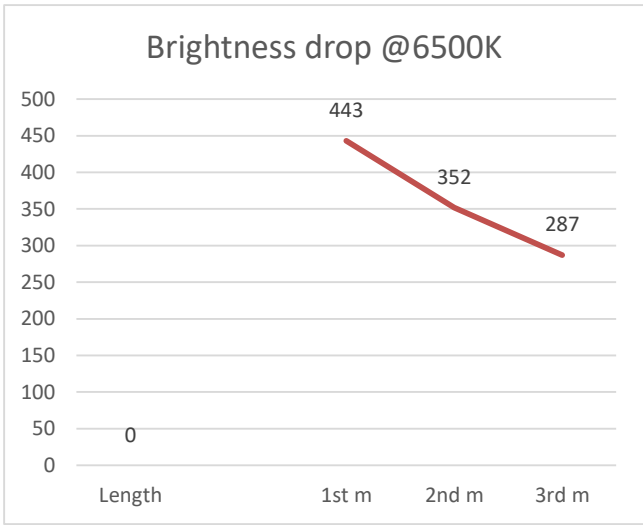
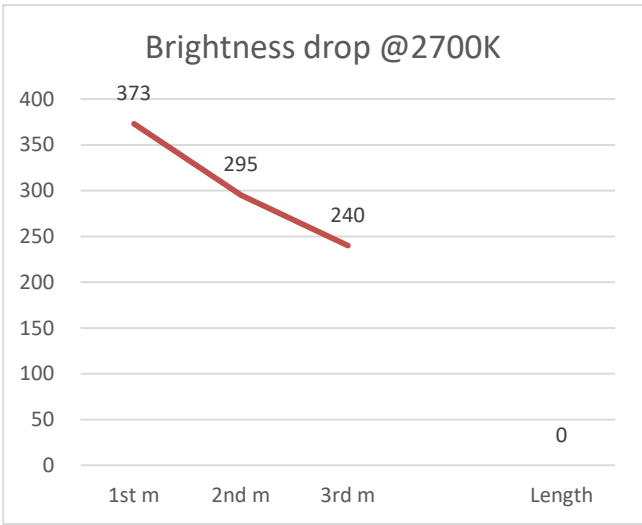
5m Brightness difference/5米单端供电亮度差

@2700K

Length	1st m	2nd m	3rd m
Voltage	11.96	11.08	10.47
Brightness	373	295	240
Drop	0.00%	-21.03%	-35.61%

@6500K



Length	1st m	2nd m	3rd m
Voltage	11.96	11.1	10.49
Brightness	443	352	287
Drop	0.00%	-20.61%	-35.22%



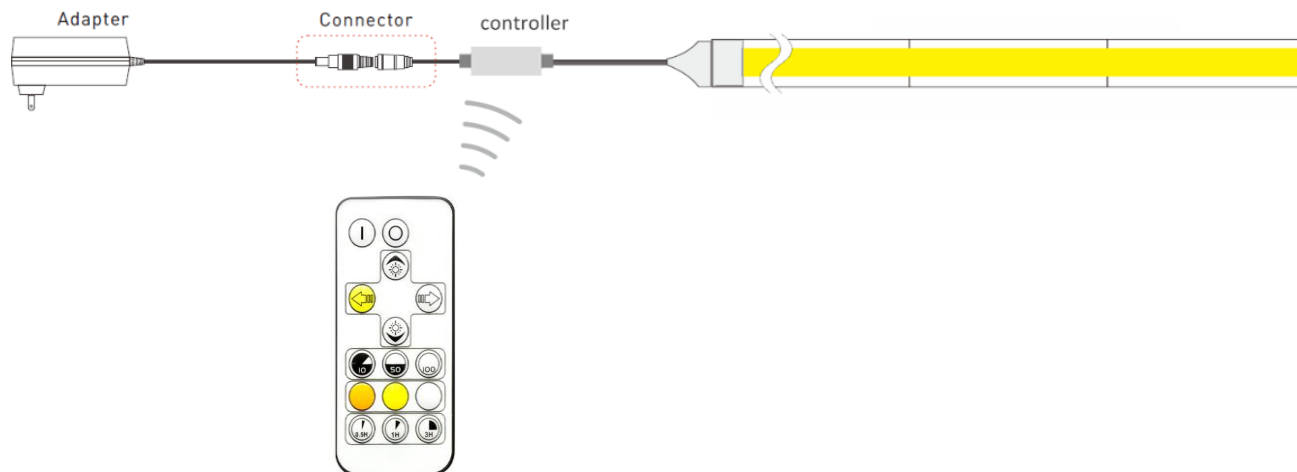
- \* For better brightness consistency, the recommend running length is 3m when powering on 1 side, for over 3 meters please connect in parallel.
- 为了更好的亮度一致性, 单端通电的推荐安装长度为3米. 若超过3m, 请并联.
- \* The above test are based on dual channels running at max watts. However, in most of installations, the COB CCT strip are used with CCT controllers, which will make the COB CCT strip running in 6W/m only.
- \* 以上的测试基于双通道运行在最大功率, 但是大部分安装场景中, COB可调色温灯带是和控制器一起工作的, 控制器会使得COB可调色温的功率运行在6W/m.

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.
	IP67	IP67 Extrusion, Integrated Silicone
		挤出型硅胶防水, 中空

## Installation Ways(安装方式)



\* Please use the specific controller for this product, regular dual white controller is not compatible with 2-wire design.  
请使用配套的控制器的使用这款灯带，常规的控制器的无法兼容两线设计的双色温灯带。

\* 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)

\* Furniture lighting, display lighting.  
家具照明，展示照明。

## 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。

