

COB LED Strip Specification

CZ-24-10-512-14-XX





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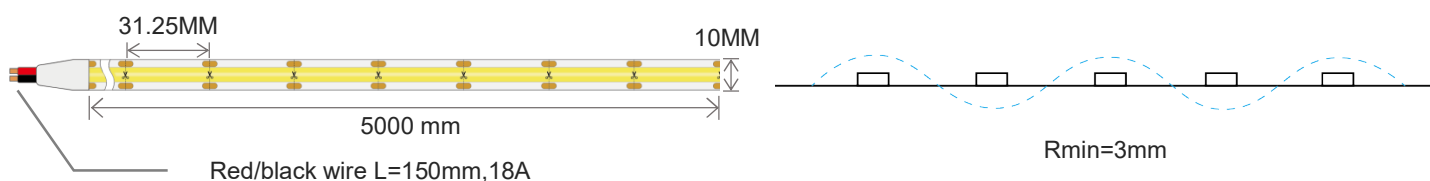


Description

This product is a high-density DC24V COB flexible light strip with 512 emitting chips per meter. It adopts an on-board integrated packaging process, ensuring uniform light distribution without dark areas and providing soft illumination. With low-voltage power supply for safe and reliable operation, the flexible substrate allows bending and cutting, offering strong adaptability in design. It is widely used in residential, commercial, and outdoor landscape lighting applications.


RoHS


Dimensions & Waterproof



Product Specification

Dimension	5000*10*2.2 MM
Chip Type	Sanan
Chips/m	512
lumens	1470-1610 Lm
Step Length	31.25 MM
Color Rendering Index	≥90

Voltage(V)	DC 24V
Power(W/m)	14 W/M
PCB Width	10 MM
Beam Angle	160°
Operation Temperature	-20°C~+ 45°C
Color Temperature	2700K/3000K/4000K/6000K

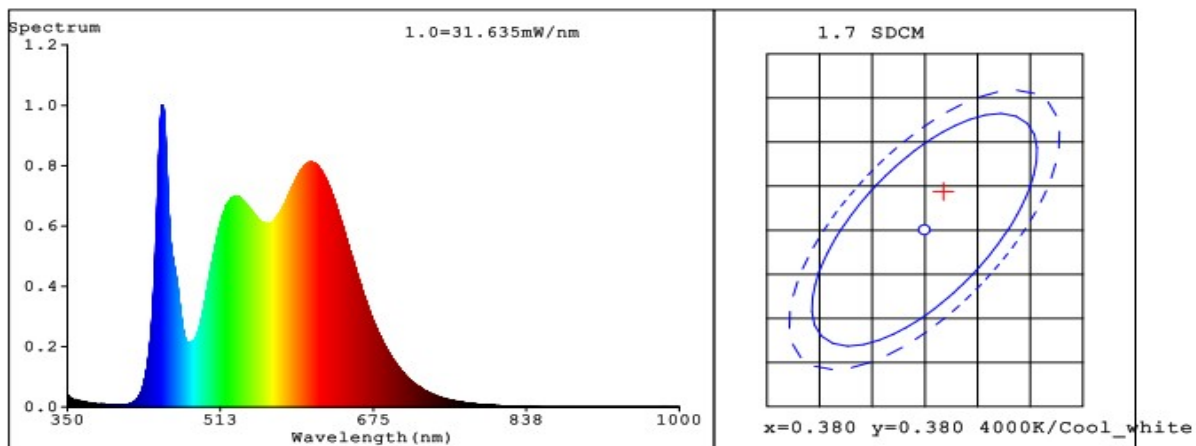
Product Photometrics (Data base on IP20 CRI≥90)

Part Number	CCT (K)	Power(14w/m)	
		Lumen (lm/m)	Efficacy (lm/w)
▶512D-COBW27-24V-10MM	2700K ±150K	1260-1330	90-95
▶512D-COBW30-24V-10MM	3000K ±150K	1330-1470	95-105
▶512D-COBW40-24V-10MM	4000K ±200K	1470-1610	105-115
▶512D-COBW60-24V-10MM	6000K ±250K	1330-1470	95-105



Light Distribution Curve[Data base on 1m 14W IP20 4000K CRI>90, Unit:cd]

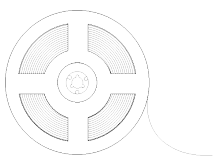
Spectrum Test Report



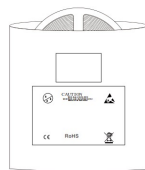
Color Parameters:

Chromaticity Coordinate: $x=0.3818$ $y=0.3844$ / $u'=0.2230$ $v'=0.5051$
CCT=4019K (Duv=0.0031) Dominant WL:Ld =577.4nm WL:Lc = --nm Purity=29.9%
Ratio:R=19.89% G=76.65% B=3.46% Peak WL:Lp=450.6nm FWHM=17.8nm
Render Index:Ra=92.5 AvgR=87.9

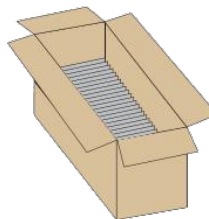
Packing Information(Data base on IP20)



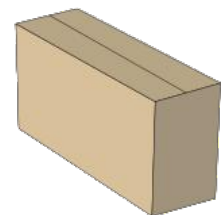
5meters/reel



5meters/reel



100bags/carton



43.5x32x23.5cm,8.5kg/carton

Precautions for use

1. To protect the LED light strip, do not hit the light-emitting area with hard things.
2. After unpacking, please use in 24H to avoid the oxidation effect of solder joints.
3. Avoid direct contact with high temperature objects in the light-emitting area of the lamp, and the instantaneous contact temperature of the surface of the light-emitting area should be less than 210 °C.
4. The soldering iron temperature should be less than 300 during soldering, and the soldering time of single solder should be controlled within 3s.
5. It is strictly forbidden to twist the lamp with short distance. The single lamp strip (0.5 m) has a maximum twist angle of 720°.
6. The bend diameter at any position needs to be greater than 1cm.