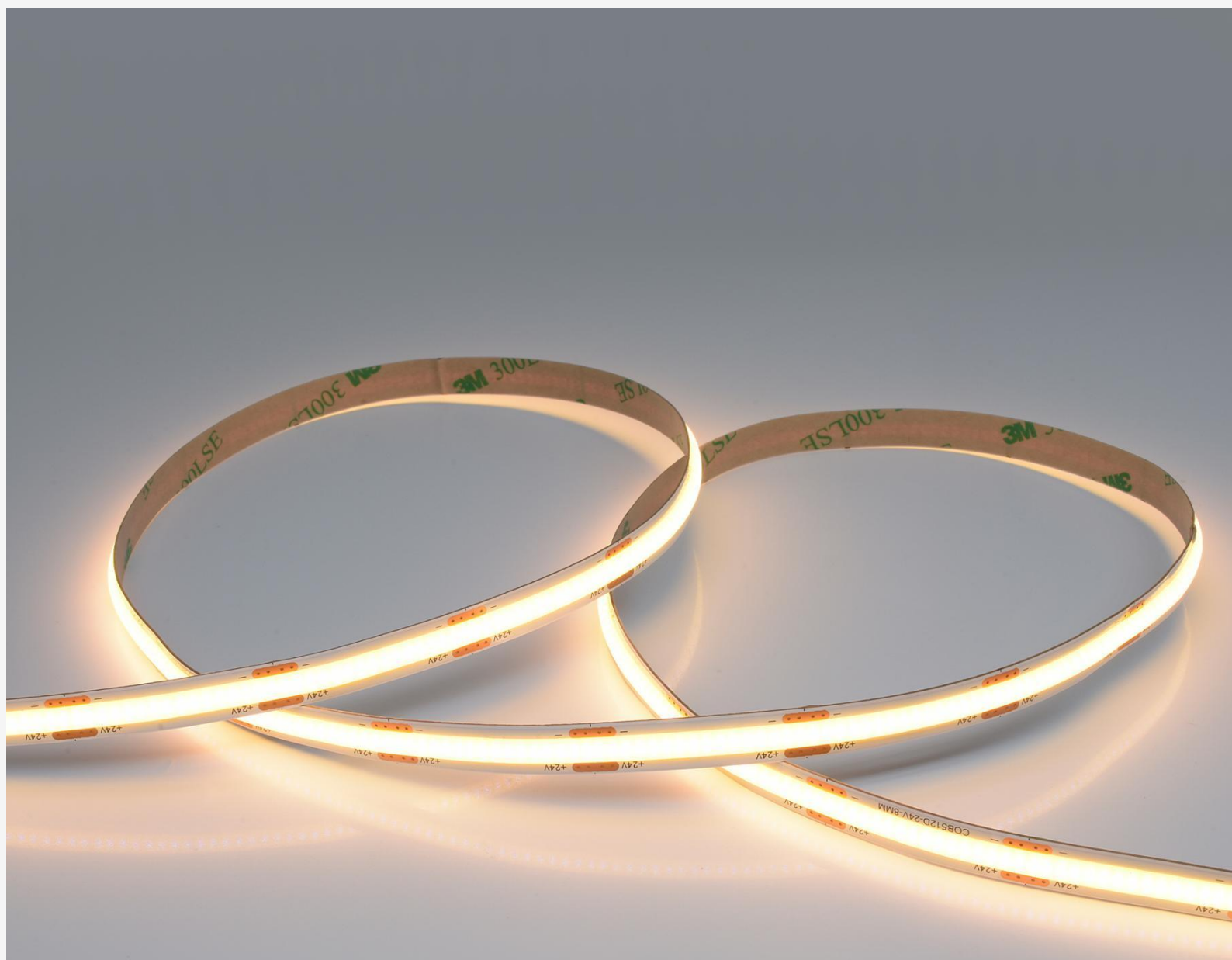


COB LED Strip Specification

CZ-24-08-512-14-XX





CZ-24-08-512-14-XX

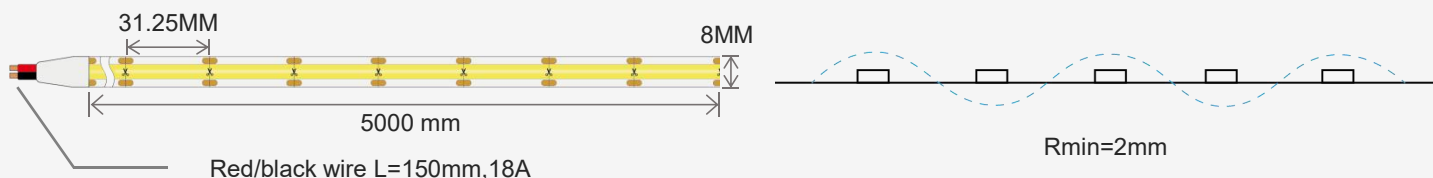


Description

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*8*2.0 MM
Chip Type	Sanan
Chips/m	512
lumens	1260-1400 Lm
Step Length	31.25 MM
Color Rendering Index	≥90

Voltage(V)	DC 24V
Power(W/m)	14 W/M
PCB Width	8 MM
Beam Angle	120°
Operation Temperature	-20°C~+ 45°C
Color Temperature	2700K/3000K/4000K/6000K

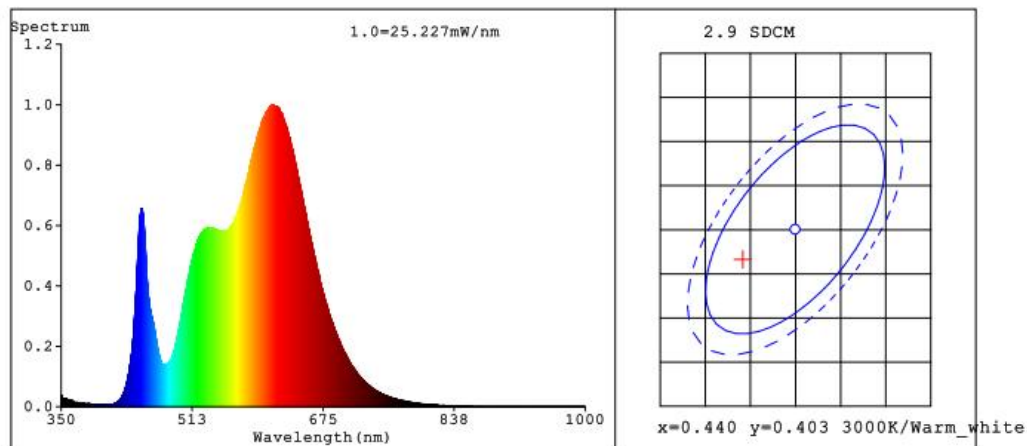
Product Photometrics (Data base on IP20 CRI≥90)

Part Number	CCT (K)	Power(14w/m)	
		Lumen (lm/m)	Efficacy (lm/w)
▶512D-COBW27-24V-8MM	2700K ±150K	1190-1260	85-90
▶512D-COBW30-24V-8MM	3000K ±150K	1260-1400	90-100
▶512D-COBW40-24V-8MM	4000K ±200K	1330-1470	95-105
▶512D-COBW60-24V-8MM	6000K ±250K	1260-1400	90-100



Light Distribution Curve[Data base on 1m 14W IP20 3000K CRI>90, Unit:cd]

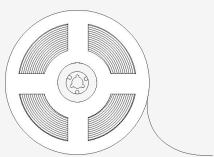
Spectrum Test Report



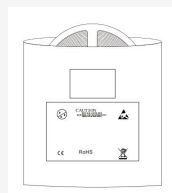
Color Parameters:

Chromaticity Coordinate: $x=0.4342$ $y=0.3996$ $u'=0.2507$ $v'=0.5192$
CCT=3010K (Duv=-0.0014) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=50.3%
Ratio:R=24.53% G=73.15% B=2.33% Peak WL:Lp=613.4nm FWHM=150.3nm
Render Index:Ra=91.7 AvgR=87.9

Packing Information(Data base on IP20)



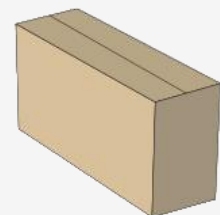
5meters/reel



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.