



ShenZhen Everlstar Lighting Co.,Ltd

NEW - COB Flexible LED strip - 100 LM/W - dot free

Guide

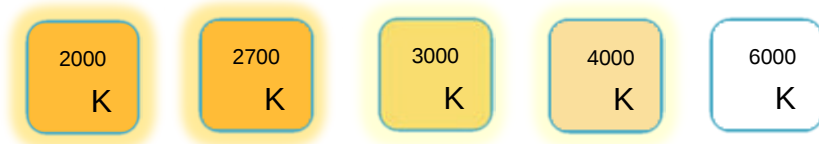
1. Characteristics.....	1
2. Testing report	2
3. Specification	3
4. Installation.....	6
5. Packing.....	9



Specification

2019.05.10V-1.0

Characteristics



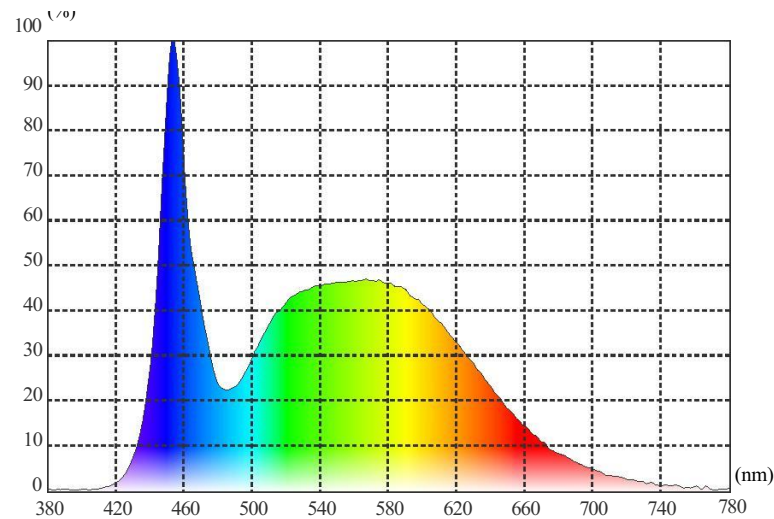
Advantages:

- 1). High efficiency > 100 LM/W;
- 2). excellent Dot Free lighting performance
- 3). Good heat sink design: ± 1.0 OZ double layer copper
- 4). Low energy consumption: 8W/M - 15W/m optional
- 5). High CRI > 80 / CRI >90 optional
- 6). warranty: 5-year warranty available.
(since the manufacturing date on PCB)

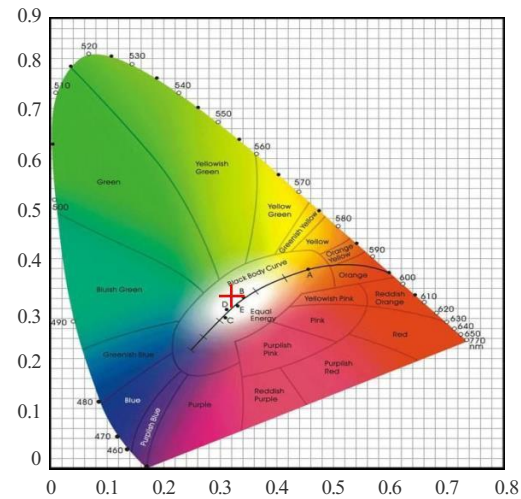


Testing Report on Pure White 6000K sample:

Spectral Distribution



Chromaticity Diagram



Photometric Parameters

Luminous Flux: 1425.20 LM

Luminous Efficiency: 98 lm/W

Rendering Index: Ra = 83.35

Colorimetric Parameters

Chromaticity Coordinates: $x=0.3195$ $y=0.3408$ $u'=0.1981$ $v'=0.3170$ ($Duv=0.0059$)

Color Temperature: 6095 K

Color Purit : 0.043

Dominant Wavelength: 498.80 nm

Red Color Ratio: 13.23 %

Peak Wavelength: 453.40 nm

Green Color Ratio: 81.22 %

Color Tolerance: 4.77 SDCM

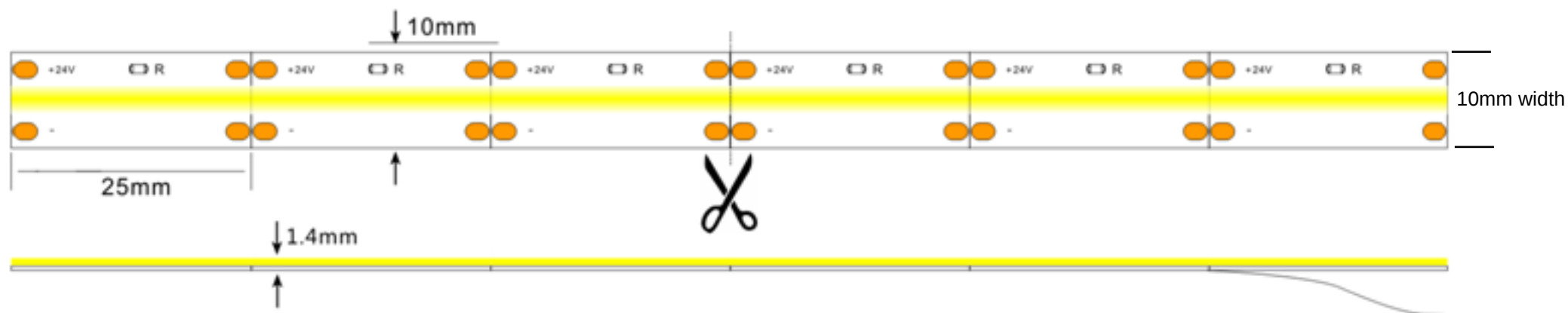
Blue Color Ratio: 5.55 %

R1 = 79.4 R2 = 88.0 R3 = 92.3 R4 = 78.9 R5 = 79.3 R6 = 82.4 R7 = 87.1

R8 = 66.7 R9 = 0.4 R10 = 69.0 R11 = 77.6 R12 = 52.5 R13 = 82.2 R14 = 96.2

Specification

Model: LZ-COB-24V-15W LED strip (COB dot-free design)



- 1). COB Flexible LED strip;
- 2). Cut by every 25mm
- 3). PCB Width: 10mm;
- 4). PCB thickness: ± 1.0 OZ; total 2.0 OZ.

Specification

Model: LZ-COB-12V-10W LED strip (COB dot-free design)

Optical

LED type	Flexible COB
LED Chip:	EPISTAR (made by Refond)
Color rending index	>80
CCT	2000K/2700K/3000K/4000K/6000K
Irritation angle	180°
Lumen output/meter	1000 LM/M for NW, CW; 900 LM/M for WW, SW2000K;

Electric

Input current/meter	0.8 - 1.2 A/m
Input voltage	DC-12V
Power/meter	10-15W/m

Others

Energy grade	A+
Warranty	5 years
Working hour	30000h
Working temperature	-20℃~+45℃
Working humidity	40%-70%RH
IP	IP20 / IP54 / IP65 / IP67 / IP68 optional
Measurement	5000*10 mm
LEDs/meter	
Section length	25CM

Packing

5m/reel, 10m/reel, 20m/reel, 50m/reel optional

Specification

Model: LZ-COB-24V-15W LED strip (COB dot-free design)

Optical

LED type	Flexible COB
LED Chip:	EPISTAR (made by Refond)
Color rending index	>80
CCT	2000K/2700K/3000K/4000K/6000K
Irritation angle	180°
Lumen output/meter	1450 LM/M for NW, CW; 1300 LM/M for WW, SW2000K;

Electric

Input current/meter	0.625 A/m
Input voltage	DC24V
Power/meter	8-15W/m

Others

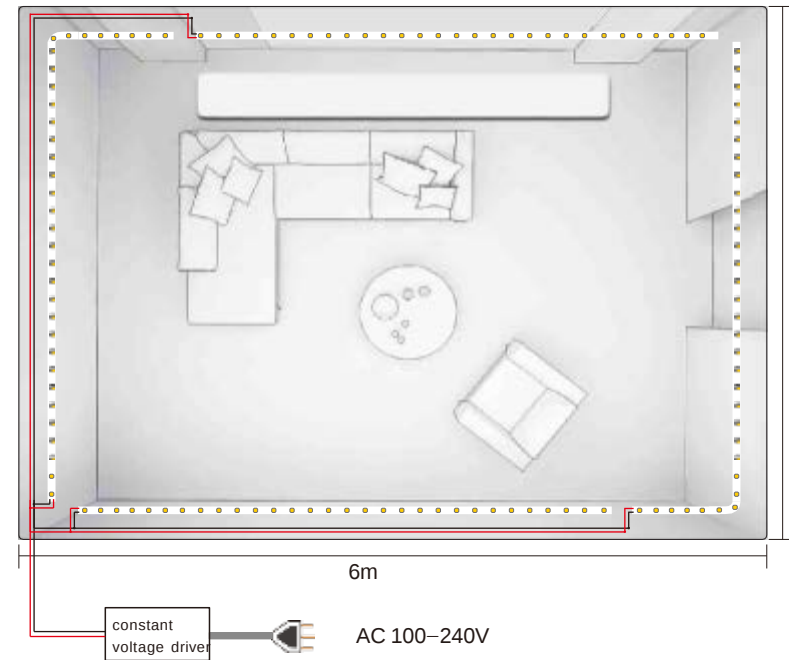
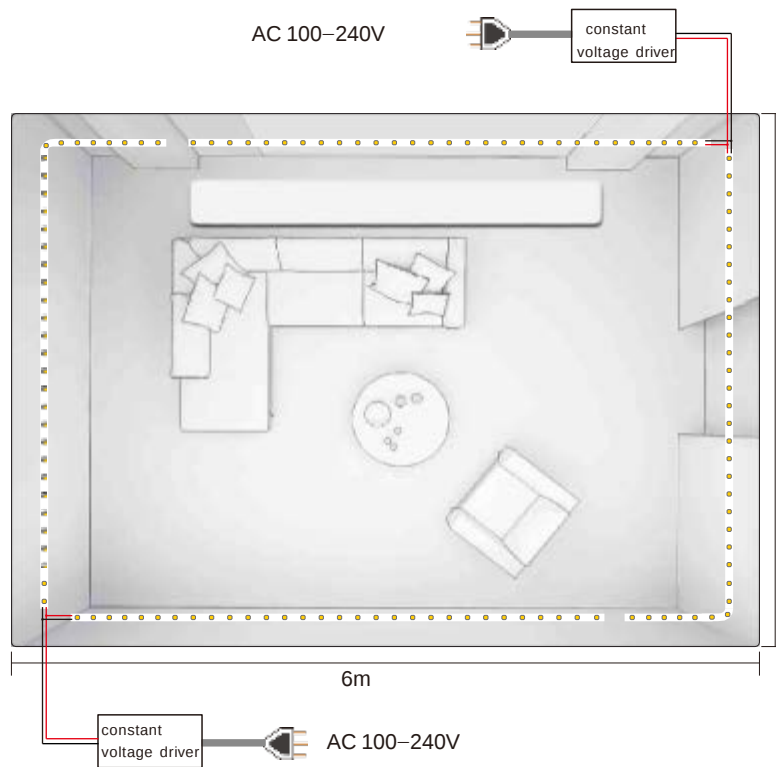
Energy grade	A+
Warranty	5 years
Working hour	30000h
Working temperature	-20℃~+45℃
Working humidity	40%-70%RH
IP	IP20 / IP54 / IP65 / IP67 / IP68 optional
Measurement	5000*10 mm
LEDs/meter	
Section length	25CM

Packing

5m/reel, 10m/reel, 20m/reel, 50m/reel optional

Installation

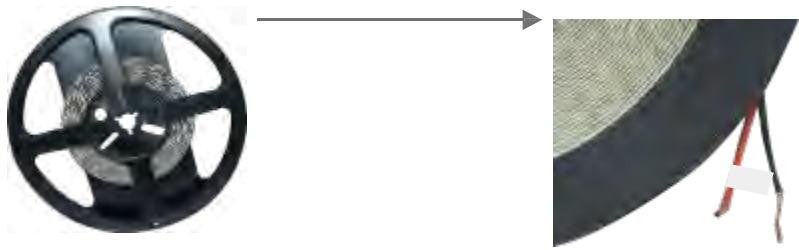
Application scenarios



- 1、 Please make LED drivers compatible with flexible LED strips light before use LED strips;
- 2、 To use LED strips 5M in serial, longer than 5M in parallel;
- 3、 Before use, first check the power supply used in compliance with of the power requirements;
- 4、 Each roll ask for independent power supply; not to use of multi-volume series use;

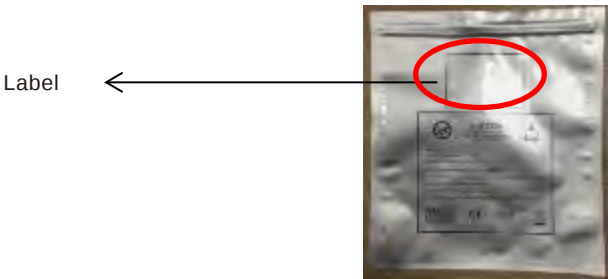
Packing

Reel



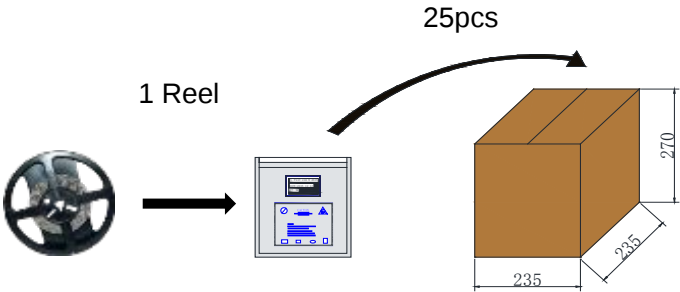
5m/Reel

Anti-static PE bag



Real product photo show

Packing Information



Carton box

