

Note : The pictures in the Product Specification are for reference only, please refer to the actual product.

PRODUCT SPECIFICATION

SMD LED STRIP

- Full Spectrum

LED TAPE FULL SPECTRUM

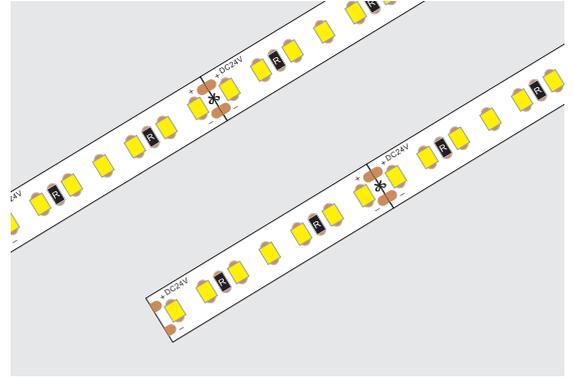
(Bridgelux LED)

SMD2835 10MM 140LEDs/M

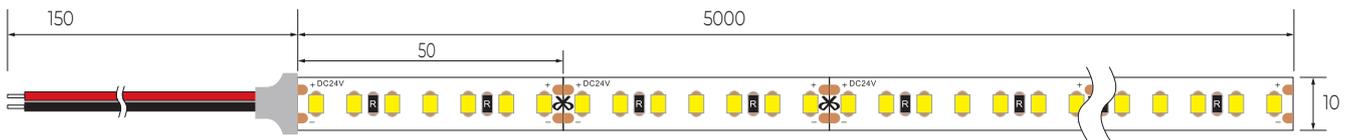


LED TAPE FULL SPECTRUM (Bridgelux LED)

- Using Bridgelux full spectrum LED.
- RA \geq 97, high color rendering index, high color reproduction ability.
- With genuine 3M adhesive on the back, the flexible light panel has a bendable and cuttable design for easy installation and length adjustment.
- IP20/IP65/IP67 multiple waterproof levels and waterproof processes are available.
- Suitable for educational and training institutions, art exhibition halls, offices, home lighting and other places.
- Minimum power 19.2W/M.



Dimension structure (Unit: mm)



Model No.	ST2Q140V24-Cx
Input voltage	DC24V
RA	\geq 97
R1-R15	\geq 90
Rf	\geq 95
Rg	\geq 98
LED Chips/m	140LEDs
LONG-life LED	50000h
Working temperature	-25 C ~+45 C
Cuttable length(mm)	50
PCB Width(mm)	10



Voltage
24v DC



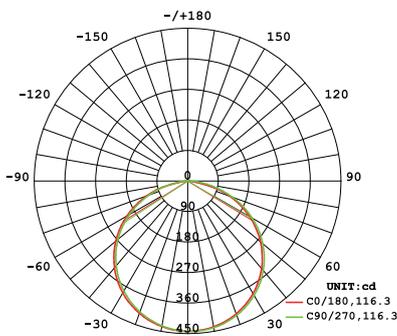
3-5Step
MacAdam



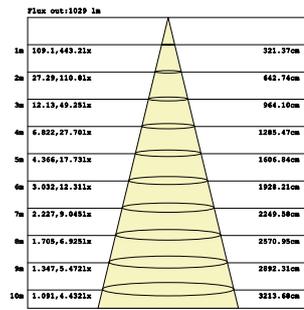
Consistency
One Bin



Warranty
5 Years



Light Distribution Curve



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

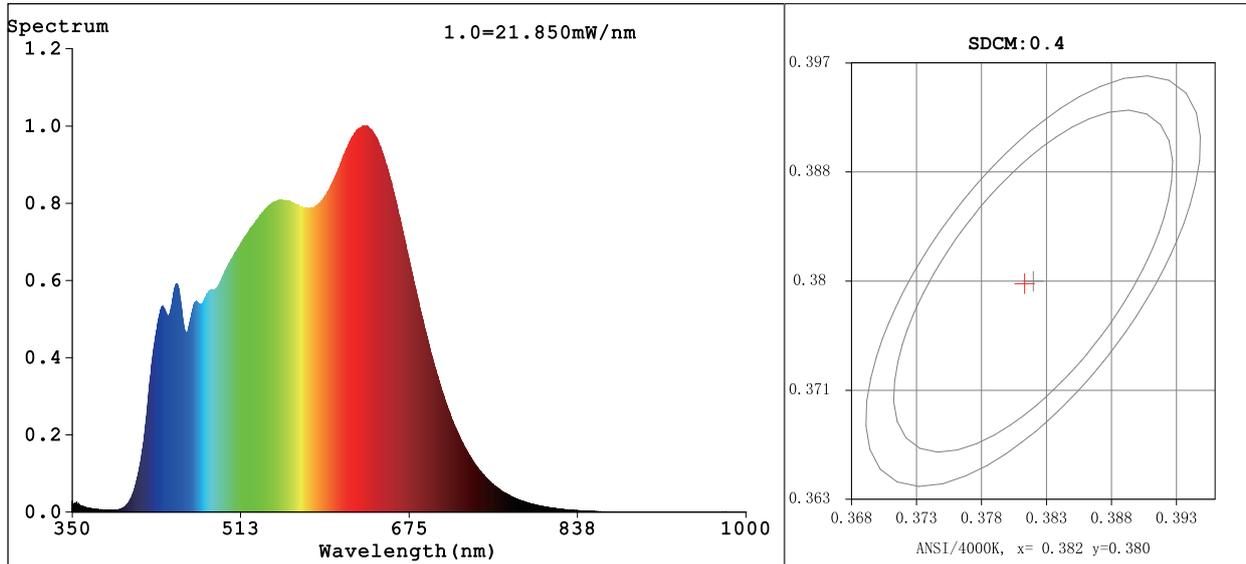
Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
2700	24	2325	5	CV
3000	24	2392	5	CV
3500	24	2529	5	CV
4000	24	2582	5	CV
5000	24	2647	5	CV
6500	24	2664	5	CV

*CV: Constant Voltage, CC: Constant Current.

Note: The above data is based on 24V ,24W/M, single colour with 4000K colour temperature. If you need IES files for other types. Please contact our sales department.

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3811$ $y=0.3795$ / $u'=0.2245$ $v'=0.5029$
CCT=4001K (Duv=0.0011) Dominant WL:Ld =578.5nm WL:Lc = --nm Purity=28.3%
Ratio:R=20.6% G=74.6% B=4.7% Peak WL:Lp=630.0nm FWHM=223.8nm
Render Index:Ra=98.3 AvgR=97.8 TM30:Rf=98 Rg=101

R1 =98 R2 =100 R3 =96 R4 =98 R5 =99 R6 =99 R7 =99
R8 =98 R9 =97 R10=98 R11=97 R12=96 R13=99 R14=97 R15=98

Photo Parameters:

Flux = 1257 lm Eff. : 107.62 lm/W Fe = 4.654 W

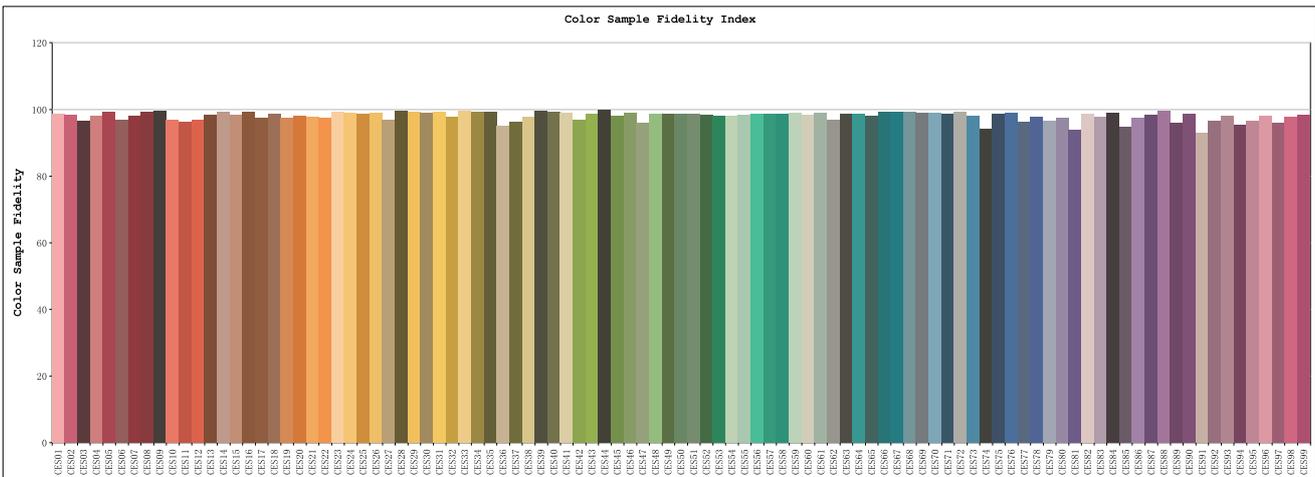
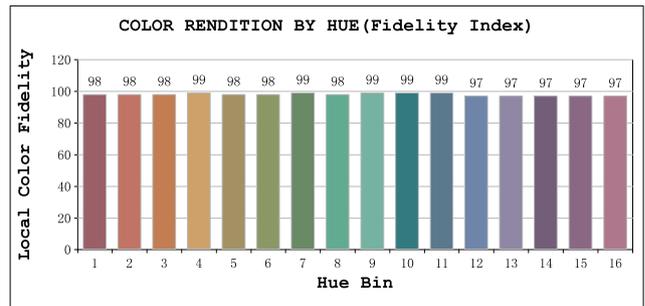
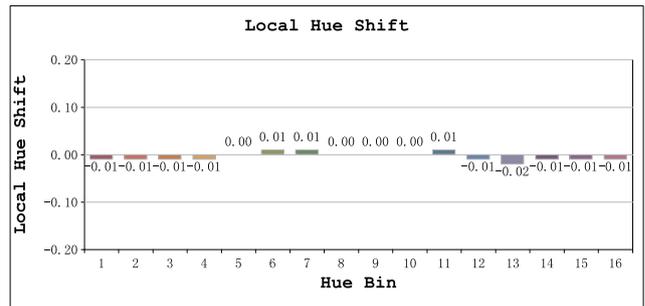
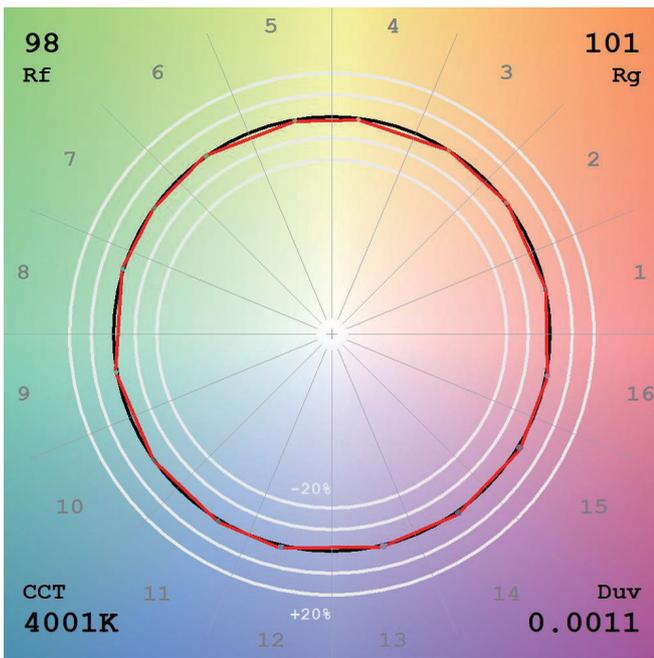
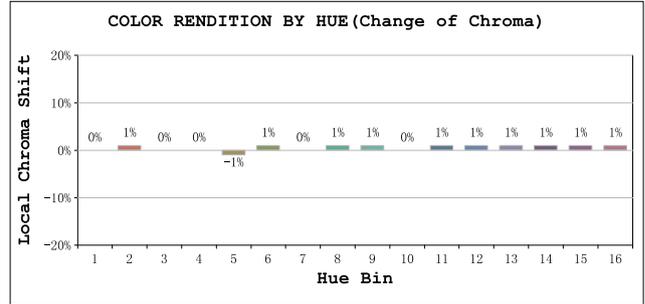
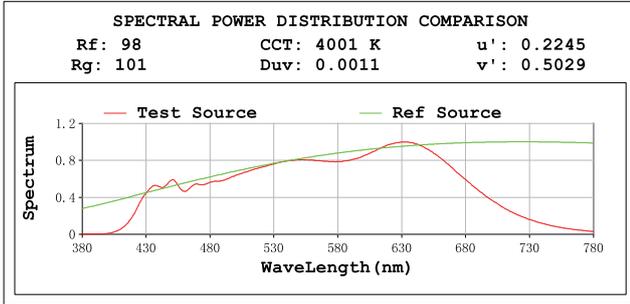
Electrical parameters:

V = 23.998 V I = 0.4867 A P = 11.68 W PF = 1.000
LEVEL:OUT WHITE:ANSI_4000K
Status: Integral T = 192 ms Ip = 40270 (61%)

GBT5702

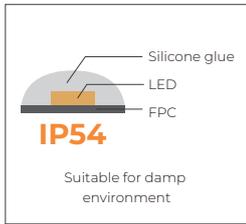
TM30

View Angle: 2 Deg

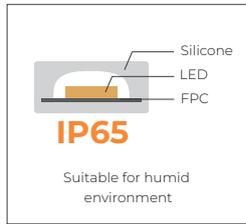


WATERPOOF GRADE OPTIONS

Silicone surface coating



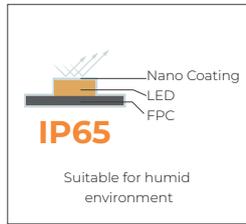
Hollow square co-extrusion



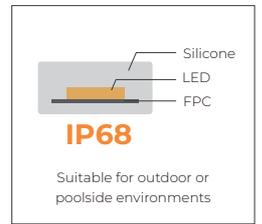
Shrinkable tube



Nano Coating



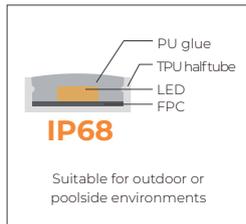
Solid square co-extrusion



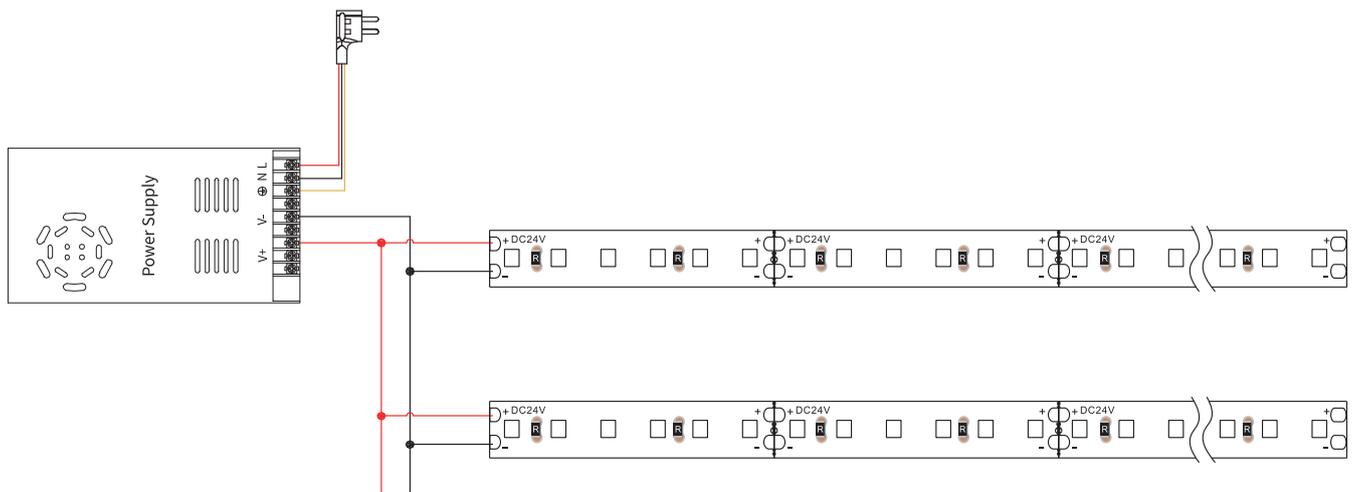
Solid dome co-extrusion



Filling PU

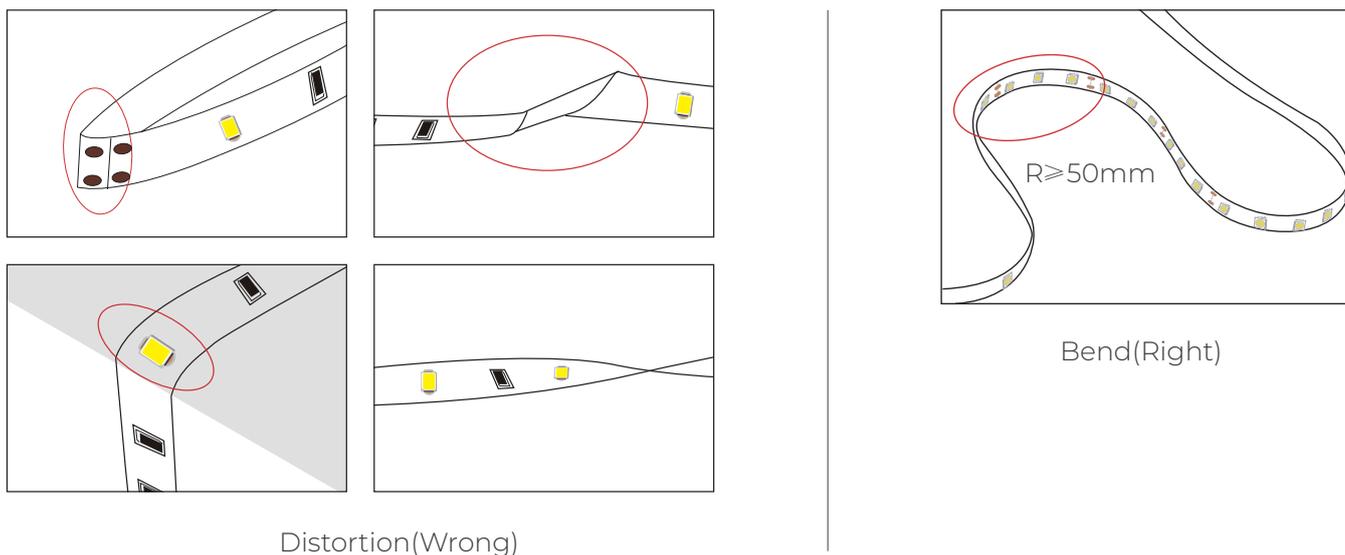


Wiring Diagram



 Cautions

When install the led strip,please note the installation technique.The led strip can be bent,but not distorted,as shown below.



 LED strips are low voltage products,you must use the power supply(transformer).Please don,t connect the led strip directly to the AC 110v or AC 220v,otherwise it will burn out the LED strips.

 Clean up the installation surface,it will ensure the reliability of the adhesive,The electrical connection process must be operated by a professional person.

Package

