



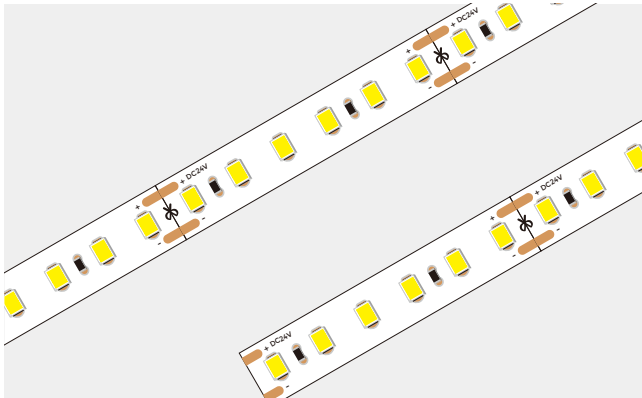
FULL SPECTRUM LED STRIP

LY120-2835W-W24-10mm(Two LED Chip)



Note: LEDYI may change product specifications and installation guidance without prior notice.

Part Number: LY120-2835W30-W24-10mm-IP20 — IP20/IP65/IP67
 W27/W30/W35/W40/W50/W57

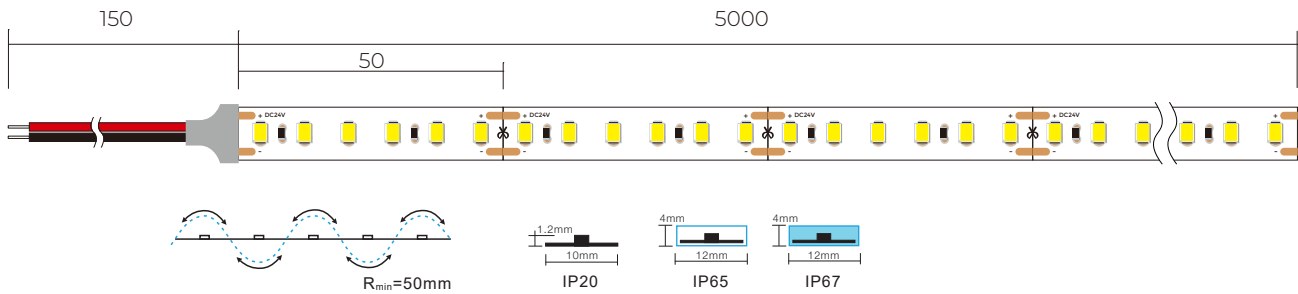


Description

- Artificial full-spectrum LED lights that simulate the sunlight spectrum.
- 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.



Dimensions & Waterproof



Physical & Electrical Parameters

Dimension	5000x10x1.2mm
RA	\geq 97
R1-R15	\geq 90
Rf	\geq 95
Rg	\geq 98

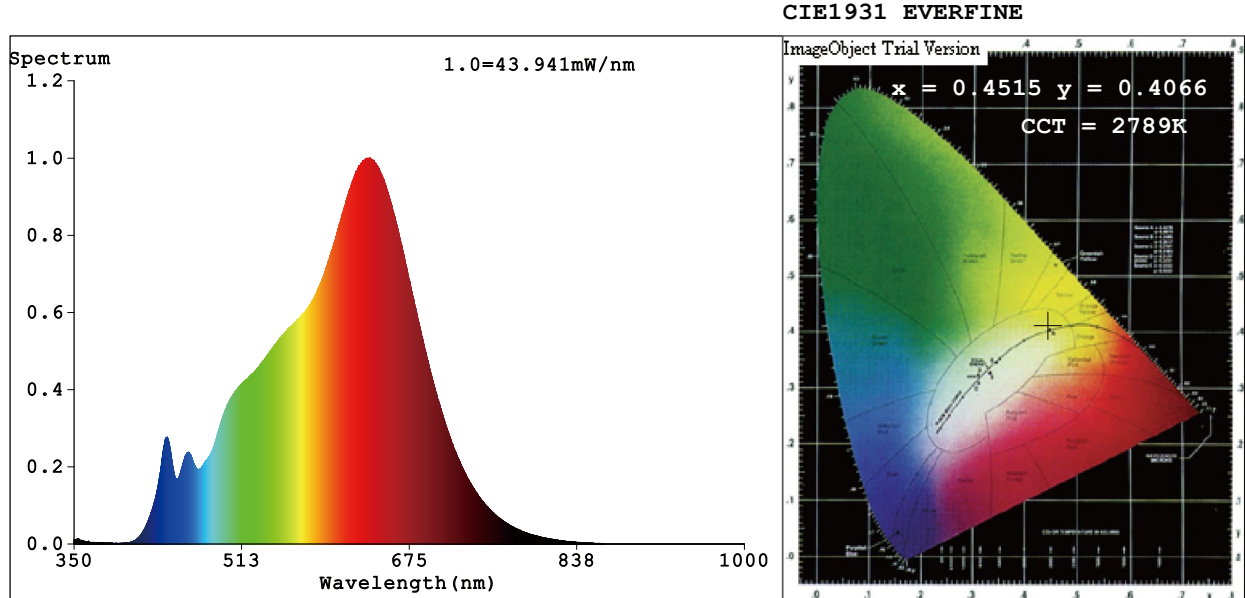
Voltage(V)	DC24V
LED Chips/m	120LEDs
LONG-life LED	50000h
Working temperature	-25°C ~ +45°C
Cutttable length(mm)	50

Photometric Parameters

CCT(K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
2700	24	1884.0	5	CV
3000	24	2001.6	5	CV
3500	24	2088.0	5	CV
4000	24	2092.8	5	CV
5000	24	2148.0	5	CV
5700	24	2176.8	5	CV

*CV: Constant Voltage, CC: Constant Current.

Spectrum Test Report(2700K)



Color Parameters:

Chromaticity Coordinate:x=0.4515 y=0.4066/u'=0.2589 v'=0.5246
 CCT=2789K(Duv=-0.0007) Dominant WL:Ld =584.0nm WL:Lc = --nm Purity=57.6%
 Ratio:R=26.8% G=70.2% B=3.0% Peak WL:Lp=636.8nm FWHM=150.2nm
 Render Index:Ra=97.2 AvgR=96.8 TM30:Rf=96 Rg=102

R1 =97 R2 =98 R3 =98 R4 =95 R5 =96 R6 =96 R7 =99
 R8 =99 R9 =97 R10=97 R11=92 R12=94 R13=97 R14=98 R15=99

Photo Parameters:

Flux = 1876 lm Eff. : 78.47 lm/W Fe = 7.280 W

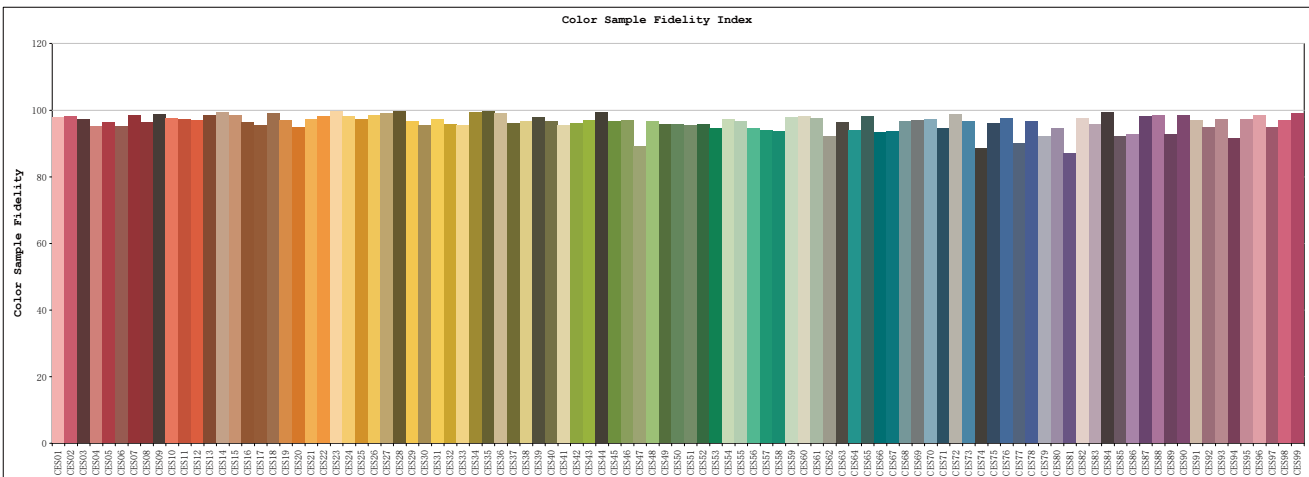
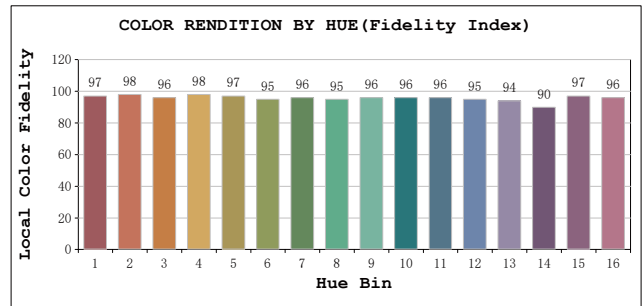
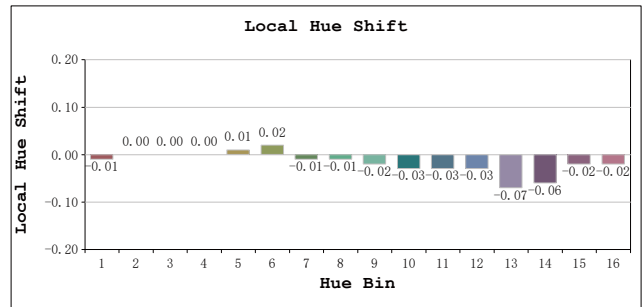
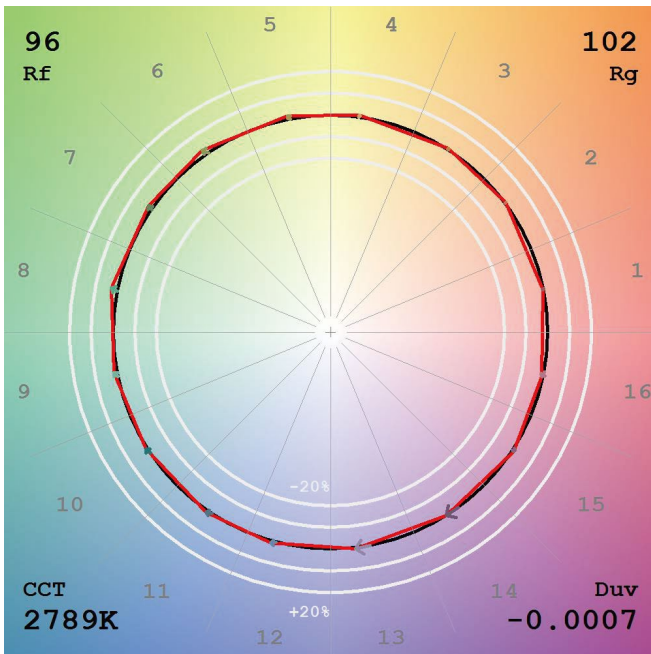
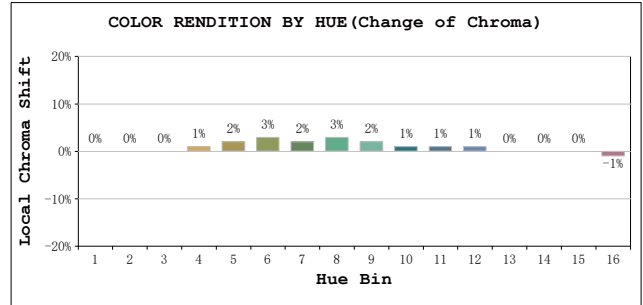
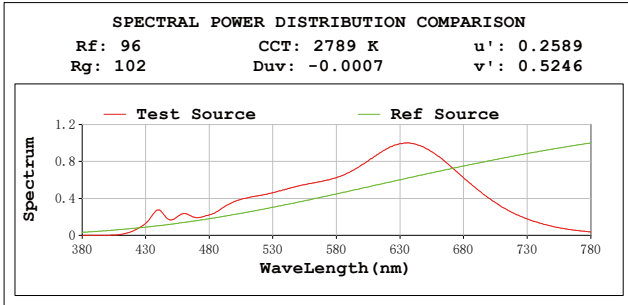
Electrical parameters:

V = 23.998 V I = 0.9960 A P = 23.90 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_2700K
 Status: Integral T = 82 ms Ip = 35496 (54%)

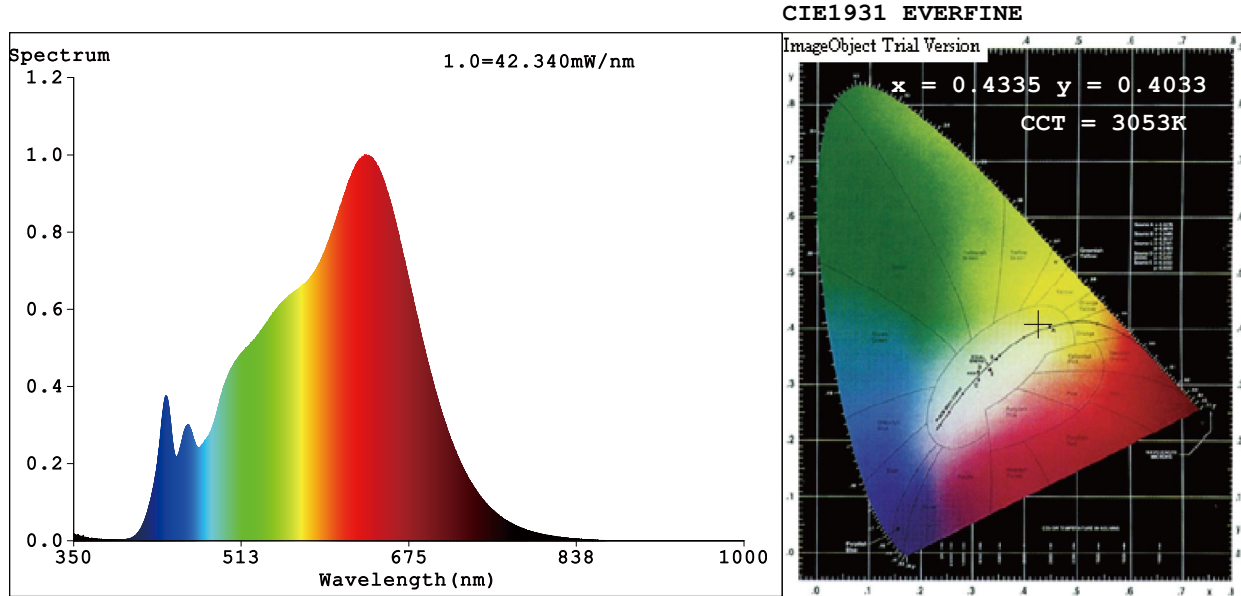
GBT5702

TM30(2700K)

View Angle: 2 Deg



Spectrum Test Report(3000K)



Color Parameters:

Chromaticity Coordinate:x=0.4335 y=0.4033/u'=0.2487 v'=0.5206
 CCT=3053K(Duv=0.0002) Dominant WL:Ld =582.5nm WL:Lc = --nm Purity=51.2%
 Ratio:R=24.8% G=71.9% B=3.3% Peak WL:Lp=632.3nm FWHM=171.9nm
 Render Index:Ra=98.2 AvgR=97.9 TM30:Rf=97 Rg=101

R1 =98 R2 =100 R3 =97 R4 =96 R5 =98 R6 =99 R7 =99
 R8 =99 R9 =96 R10=99 R11=94 R12=100 R13=99 R14=97 R15=100

Photo Parameters:

Flux = 1983 lm Eff. : 83.37 lm/W Fe = 7.481 W

Electrical parameters:

V = 23.998 V I = 0.9913 A P = 23.79 W PF = 1.000

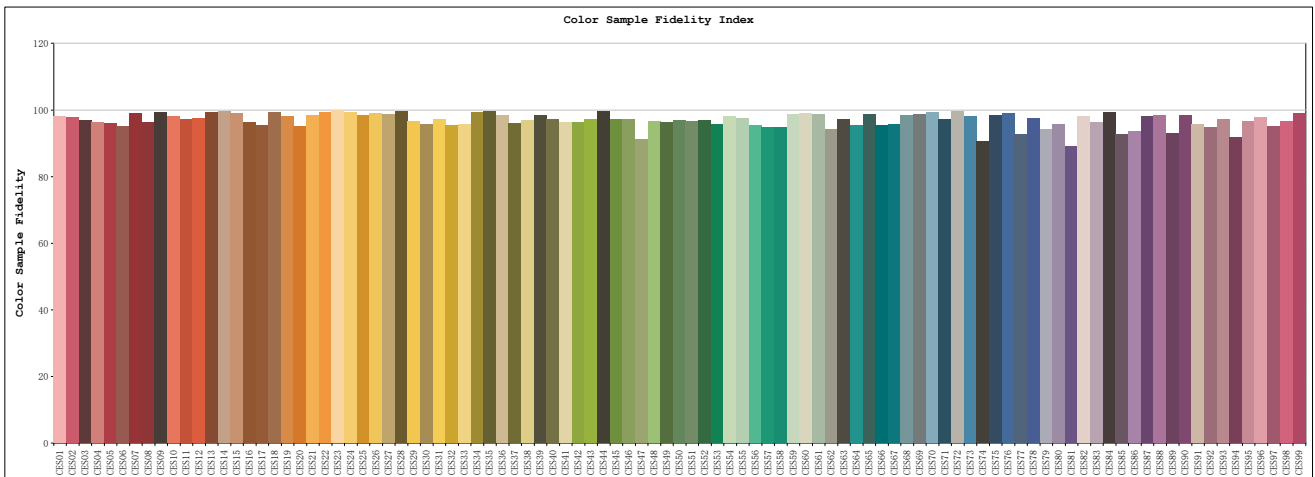
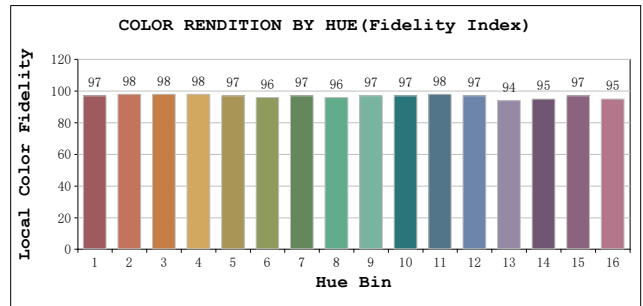
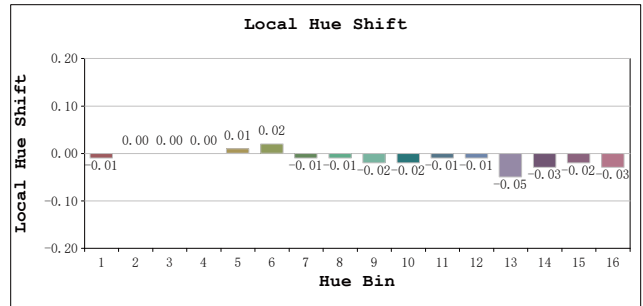
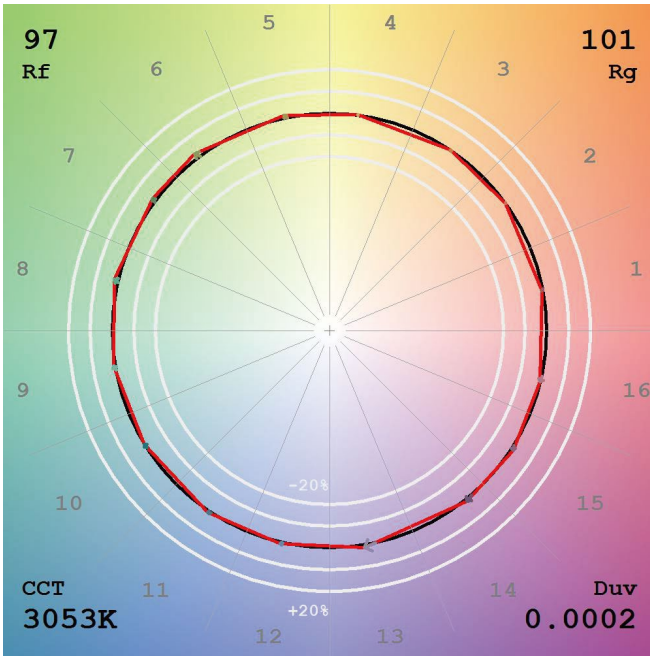
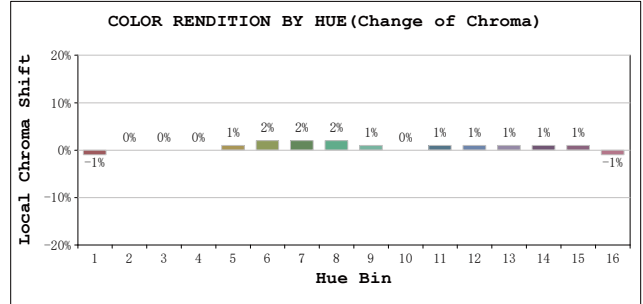
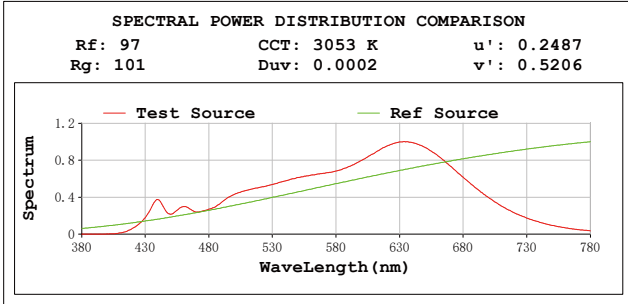
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 82 ms Ip = 34782 (53%)

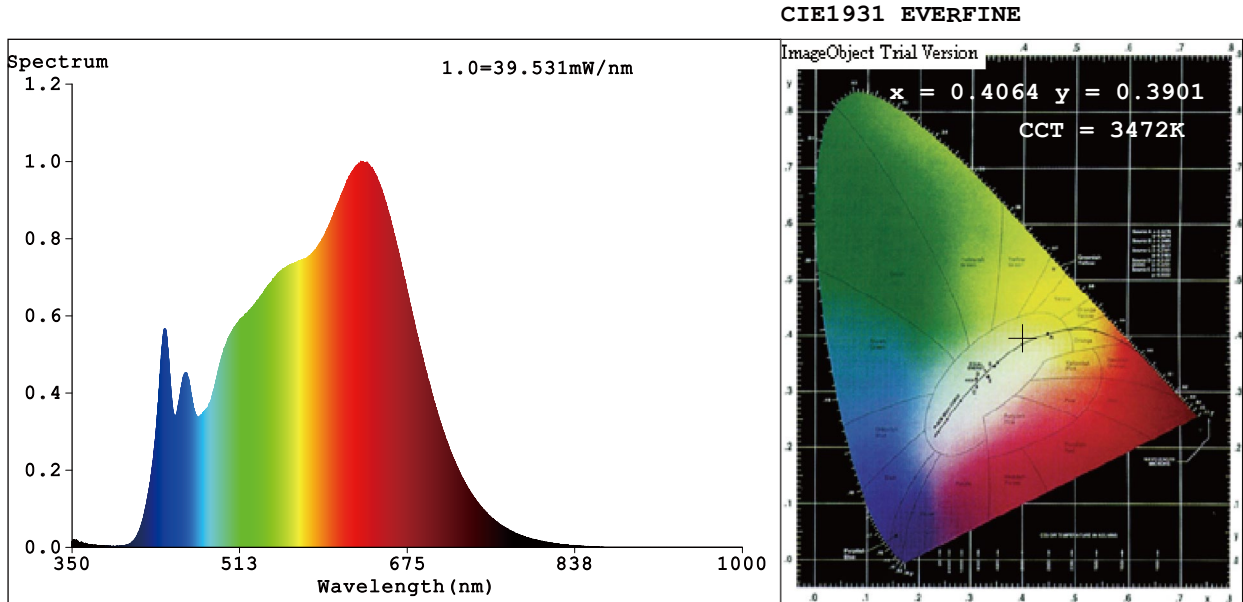
GBT5702

TM30(3000K)

View Angle:2 Deg



Spectrum Test Report(3500K)



Color Parameters:

Chromaticity Coordinate: $x=0.4064$ $y=0.3901$ $u'=0.2366$ $v'=0.5112$
 CCT=3472K (Duv=-0.0005) Dominant WL:Ld =581.2nm WL:Lc = --nm Purity=39.0%
 Ratio:R=22.6% G=73.6% B=3.9% Peak WL:Lp=630.0nm FWHM=193.1nm
 Render Index:Ra=98.3 AvgR=97.8 TM30:Rf=97 Rg=102

R1 =99 R2 =99 R3 =96 R4 =97 R5 =99 R6 =99 R7 =98
 R8 =98 R9 =96 R10=97 R11=95 R12=96 R13=100 R14=97 R15=100

Photo Parameters:

Flux = 2074 lm Eff. : 87.04 lm/W Fe = 7.684 W

Electrical parameters:

V = 23.998 V I = 0.9929 A P = 23.83 W PF = 1.000

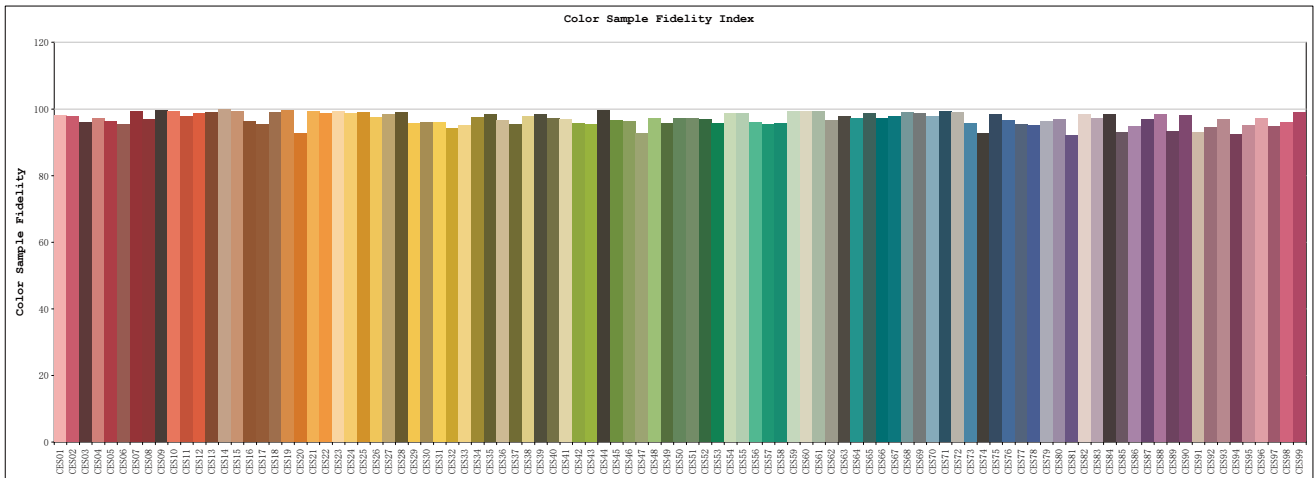
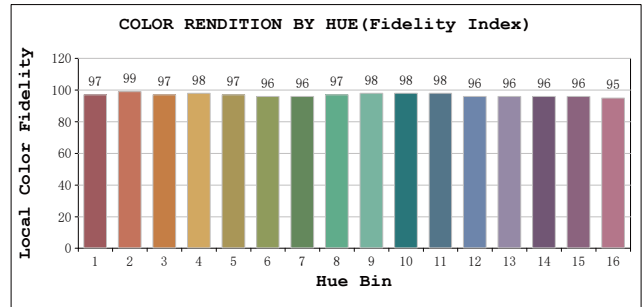
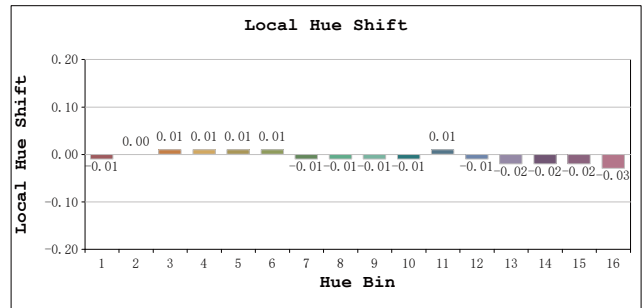
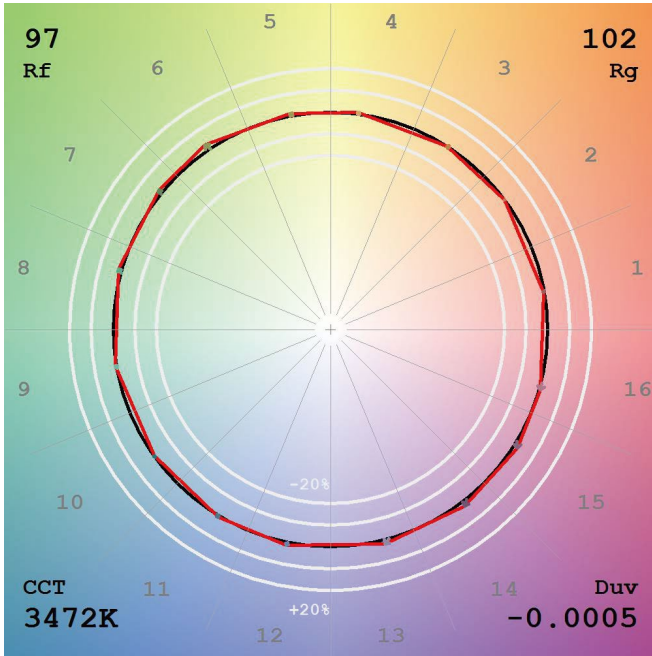
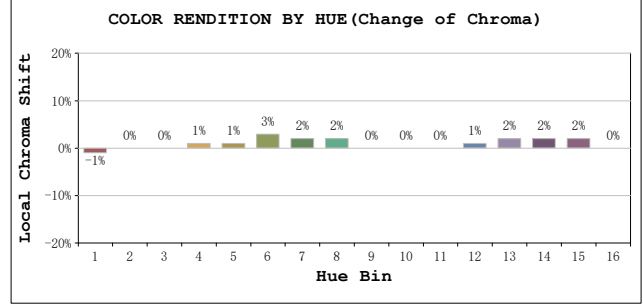
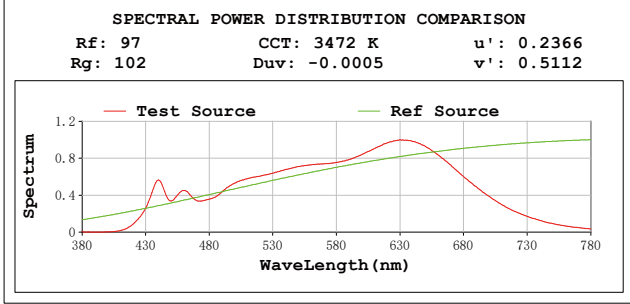
LEVEL:OUT WHITE:ANSI_3500K

Status: Integral T = 82 ms Ip = 33171 (51%)

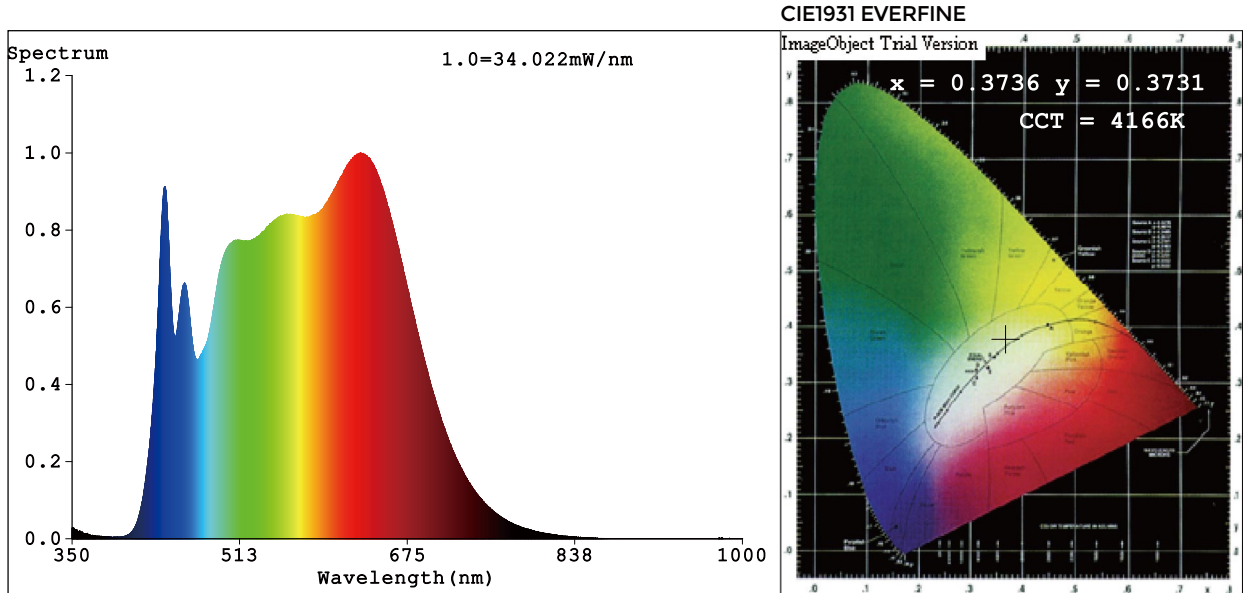
GBT5702

TM30(3500K)

View Angle:2 Deg



Spectrum Test Report(4000K)



Color Parameters:

Chromaticity Coordinate: $x=0.3736$ $y=0.3731$ / $u'=0.2220$ $v'=0.4990$
 CCT=4166K(Duv=0.0004) Dominant WL:Ld =578.2nm WL:Lc = --nm Purity=24.1%
 Ratio:R=20.1% G=75.1% B=4.9% Peak WL:Lp=629.7nm FWHM=208.8nm
 Render Index:Ra=98.4 AvgR=98.1 TM30:Rf=97 Rg=102

R1 =99 R2 =99 R3 =97 R4 =97 R5 =99 R6 =99 R7 =98
 R8 =99 R9 =99 R10=98 R11=95 R12=95 R13=99 R14=98 R15=100

Photo Parameters:

Flux = 2044 lm Eff. : 87.18 lm/W Fe = 7.542 W

Electrical parameters:

V = 23.998 V I = 0.9772 A P = 23.45 W PF = 1.000

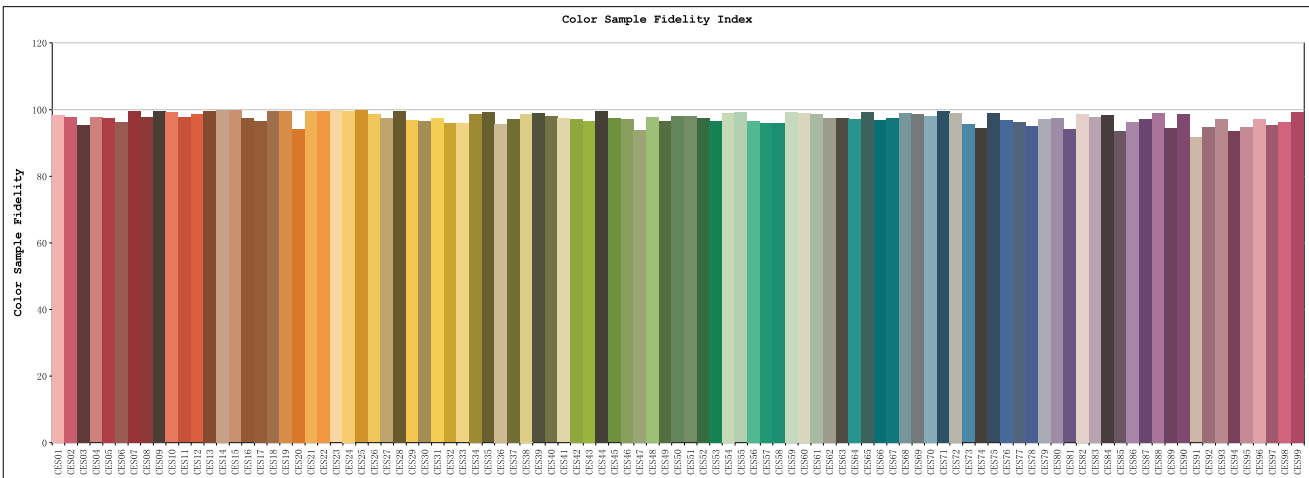
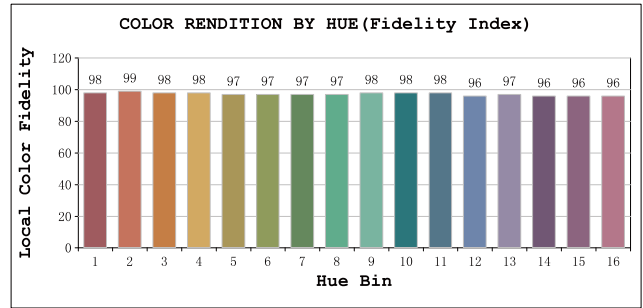
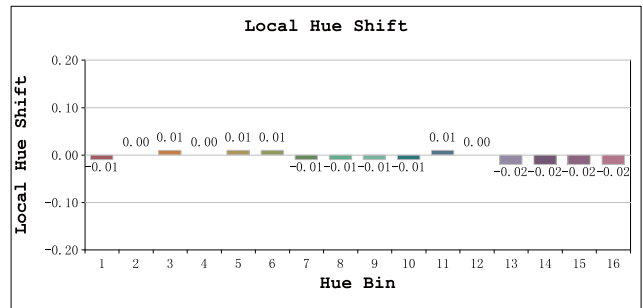
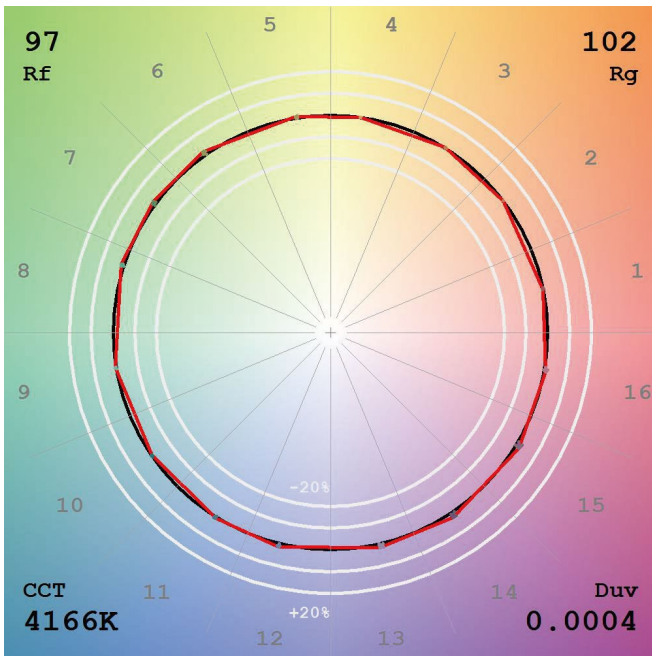
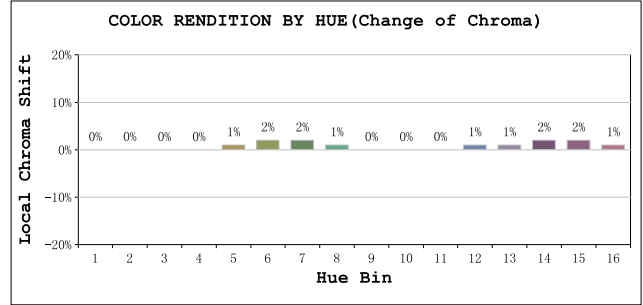
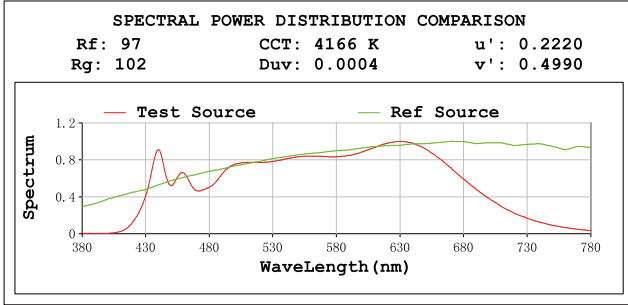
LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 141 ms Ip = 51109 (78%)

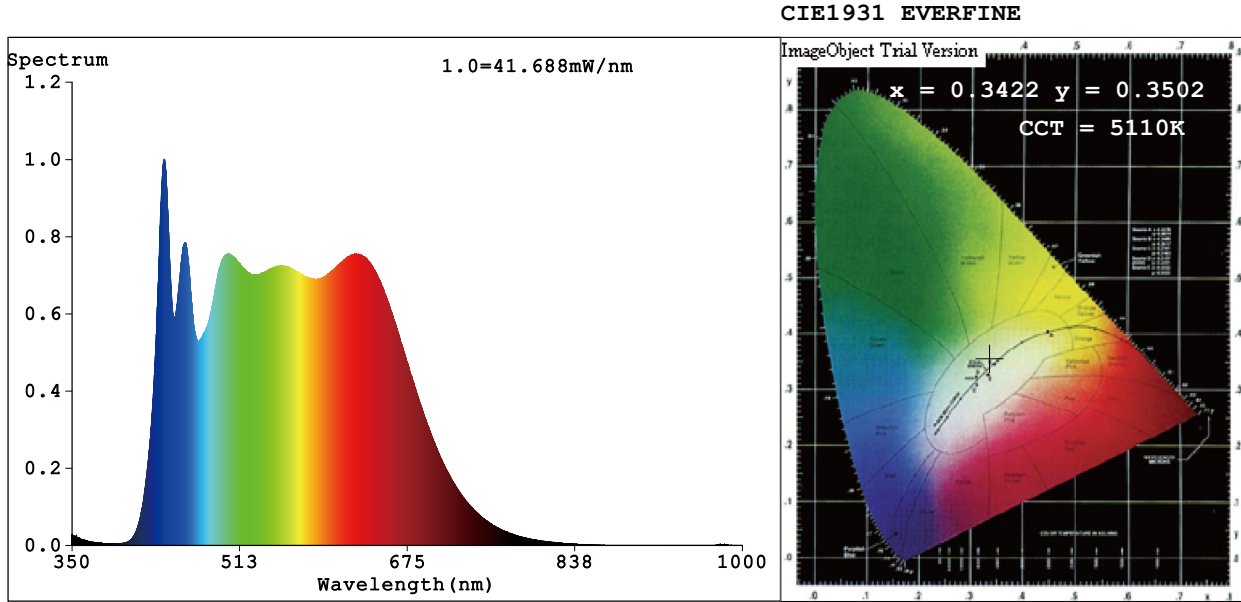
GBT5702

TM30(4000K)

View Angle:2 Deg



Spectrum Test Report(5000K)



Color Parameters:

Chromaticity Coordinate: $x=0.3422$ $y=0.3502$ / $u'=0.2100$ $v'=0.4836$
 CCT=5110K(Duv=0.0005) Dominant WL:Ld =570.5nm WL:Lc = --nm Purity=7.7%
 Ratio:R=17.9% G=75.9% B=6.2% Peak WL:Lp=439.6nm FWHM=241.4nm
 Render Index:Ra=98.0 AvgR=97.9 TM30:Rf=97 Rg=102

R1 =98 R2 =99 R3 =99 R4 =96 R5 =98 R6 =98 R7 =98
 R8 =99 R9 =99 R10=98 R11=94 R12=98 R13=98 R14=99 R15=98

Photo Parameters:

Flux = 2152 lm Eff. : 90.70 lm/W Fe = 8.024 W

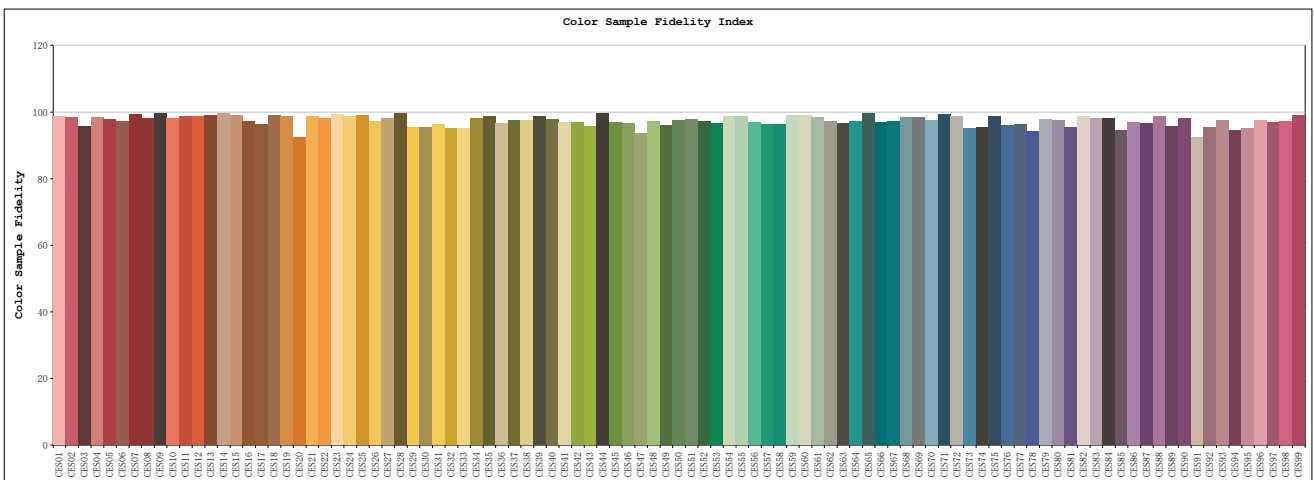
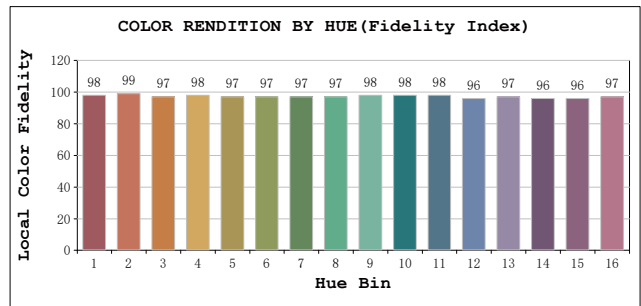
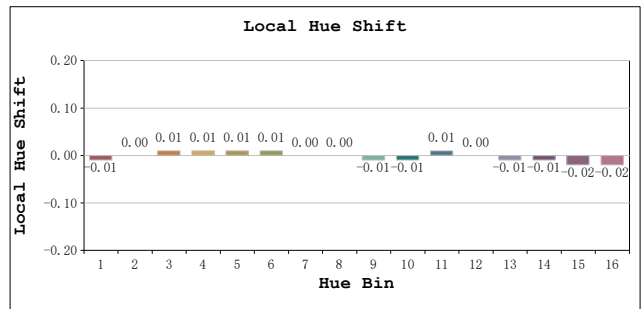
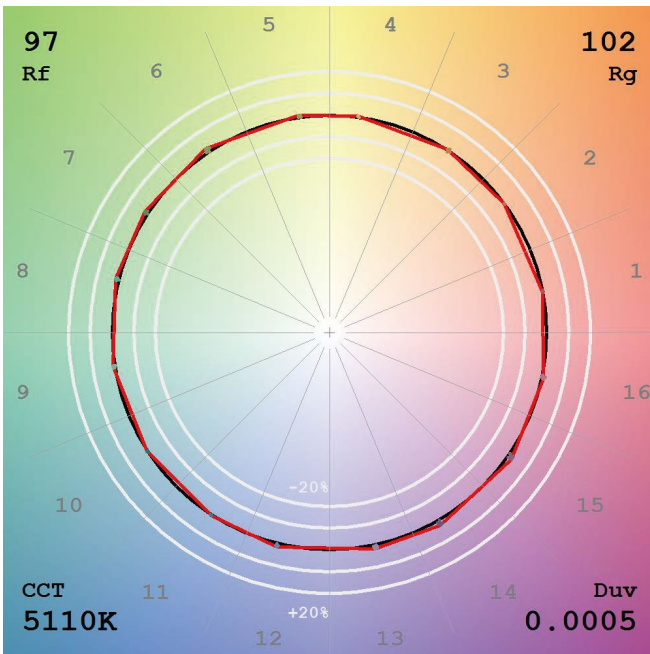
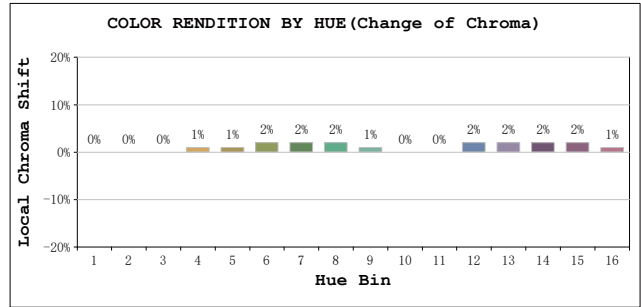
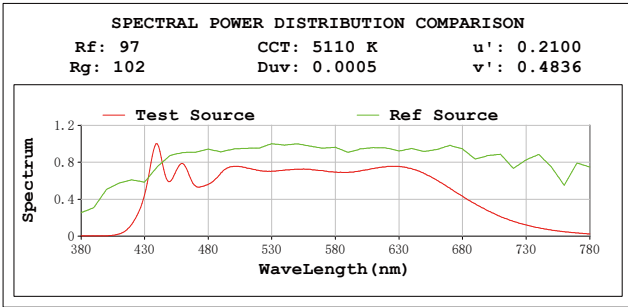
Electrical parameters:

V = 23.998 V I = 0.9887 A P = 23.73 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_5000K
 Status: Integral T = 141 ms Ip = 54391 (83%)

GBT5702

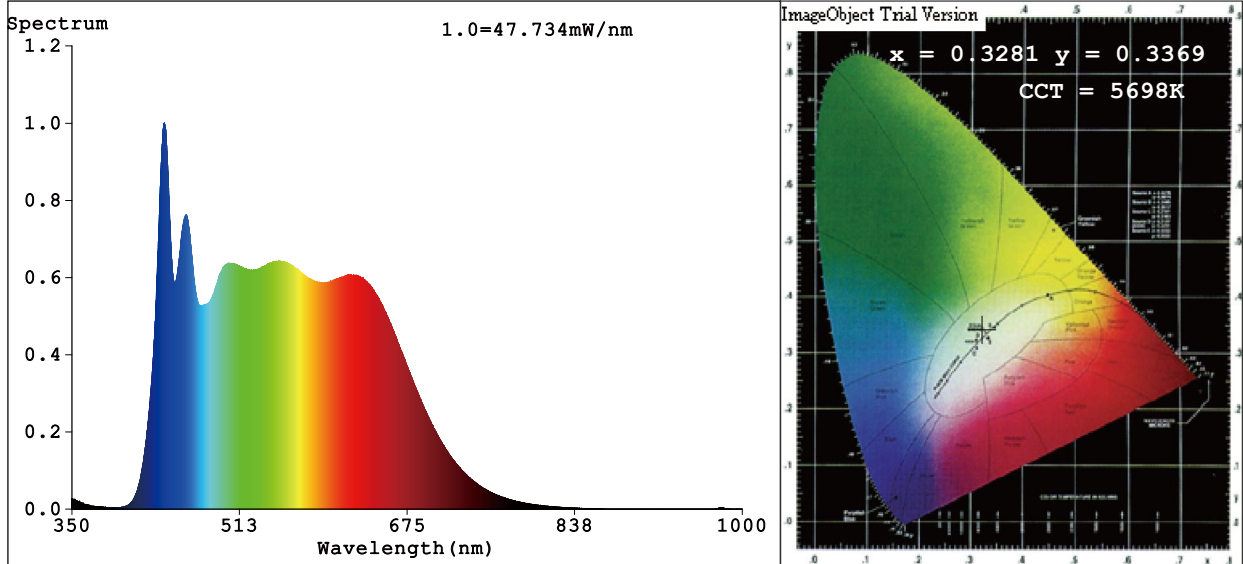
TM30(5000K)

View Angle:2 Deg



Spectrum Test Report(5700K)

CIE1931 EVERFINE



Color Parameters:

Chromaticity Coordinate: $x=0.3281$ $y=0.3369/u'=0.2055$ $v'=0.4748$
 CCT=5698K(Duv=-0.0002) Dominant WL:Ld =500.7nm WL:Lc = --nm Purity=1.6%
 Ratio:R=16.8% G=76.7% B=6.5% Peak WL:Lp=439.6nm FWHM=224.9nm
 Render Index:Ra=97.9 AvgR=97.6 TM30:Rf=96 Rg=102

R1 =99 R2 =99 R3 =97 R4 =97 R5 =99 R6 =97 R7 =98
 R8 =98 R9 =97 R10=97 R11=96 R12=95 R13=99 R14=98 R15=99

Photo Parameters:

Flux = 2131 lm Eff. : 89.53 lm/W Fe = 7.975 W

Electrical parameters:

V = 23.998 V I = 0.9917 A P = 23.80 W PF = 1.000

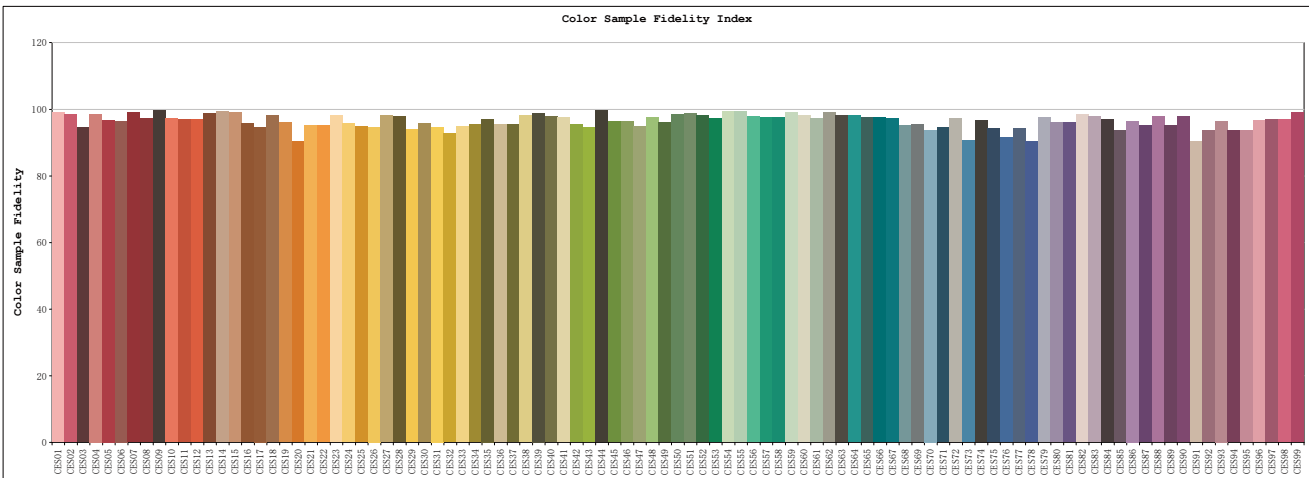
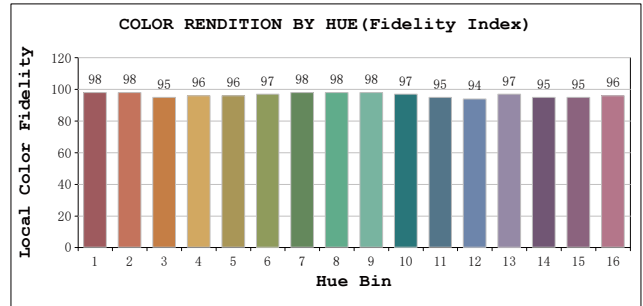
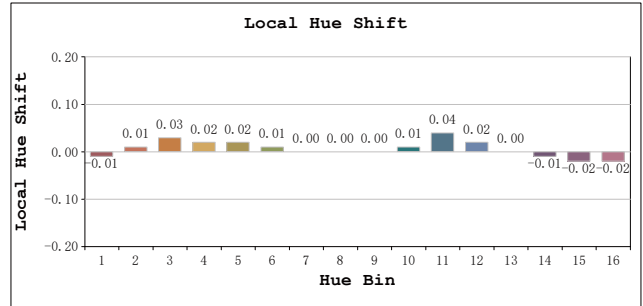
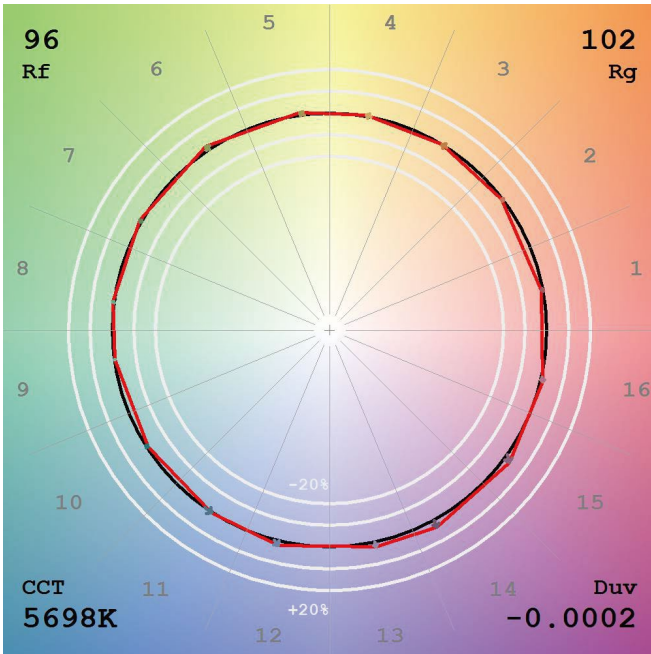
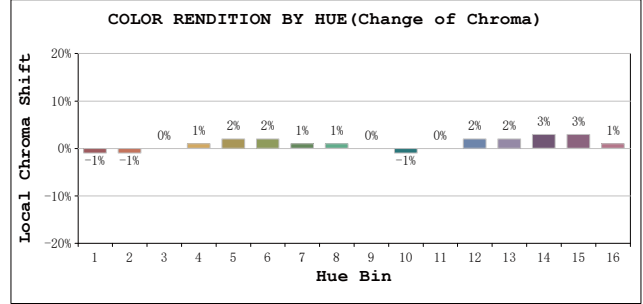
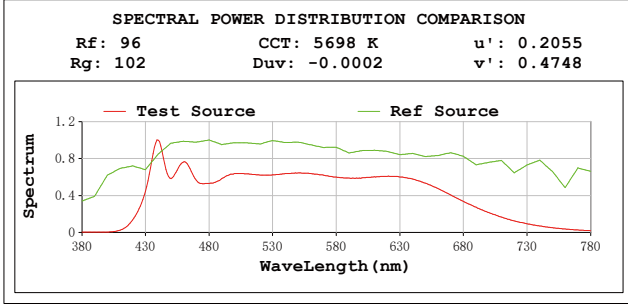
LEVEL:OUT WHITE:ANSI_5700K

Status: Integral T = 141 ms Ip = 55689 (85%)

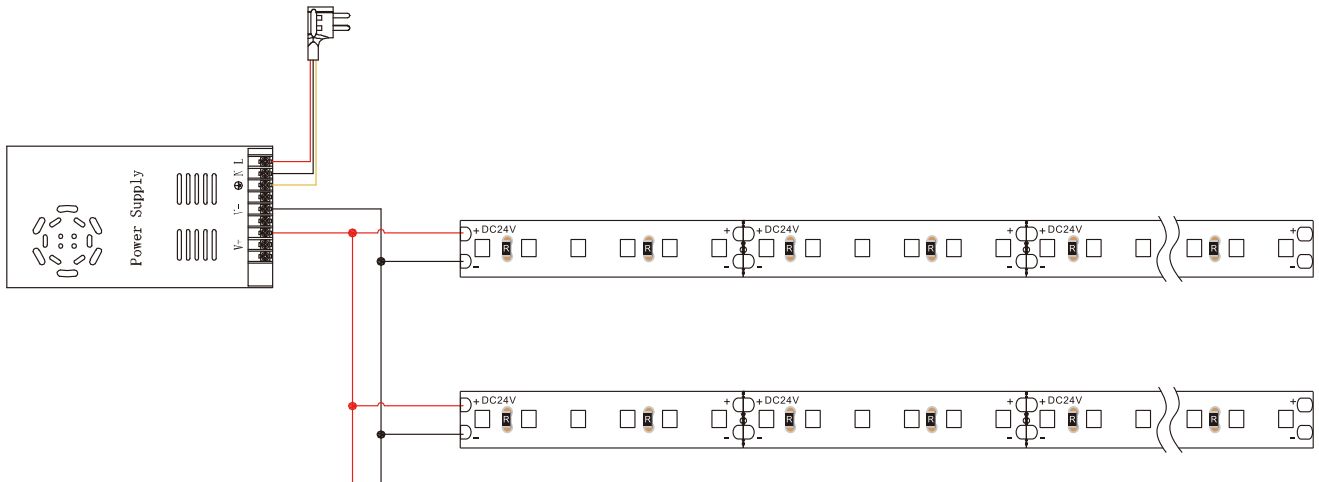
GBT5702

TM30(5700K)

View Angle:2 Deg

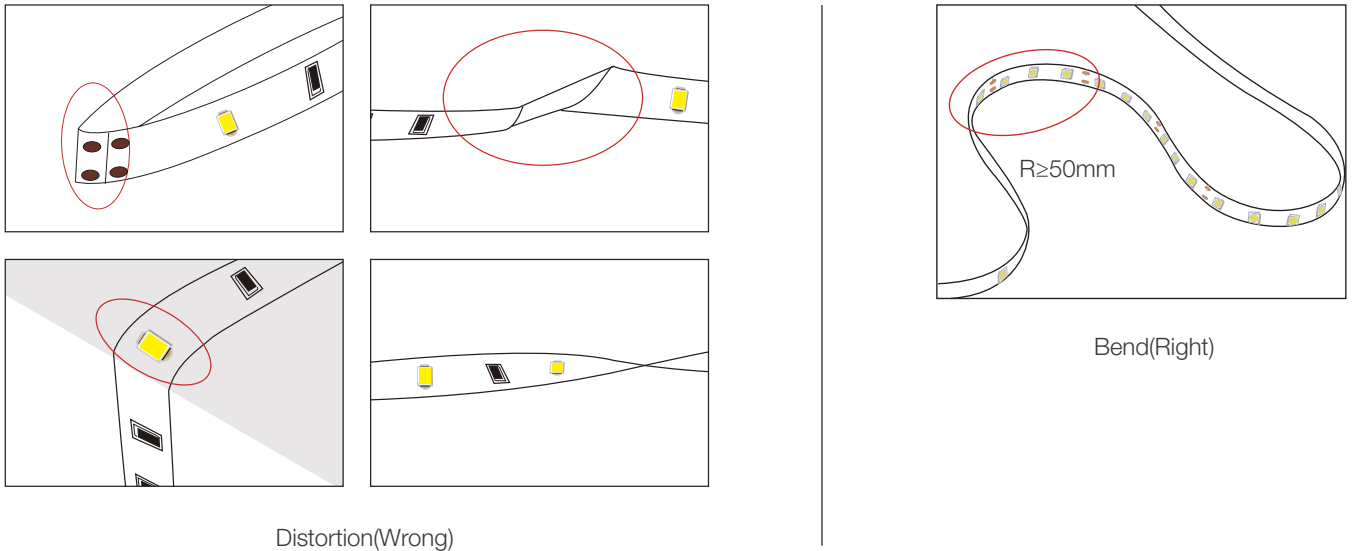


Wiring Diagram



⚠ Cautions

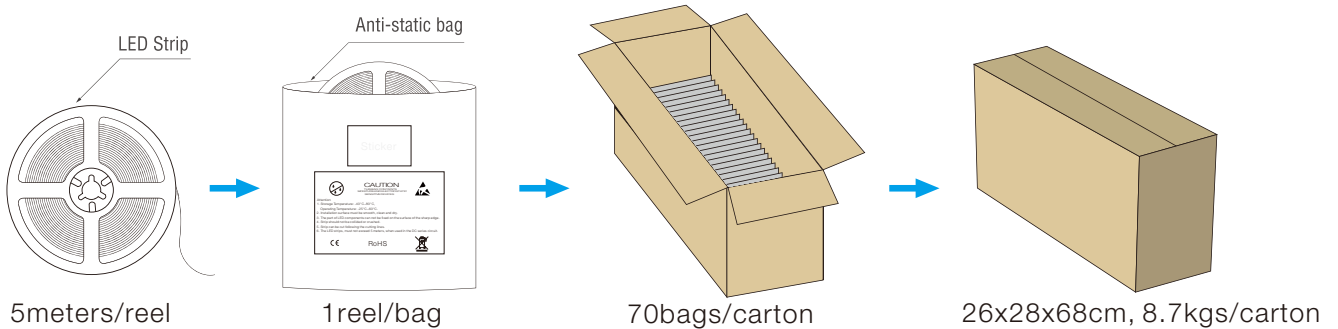
When install the led strip,please note the installation technique.The led strip can be bent,but not distorted,as shown below.



➤ 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



Notes

- ※ The unused light should be sealed with the packaging bag to avoid prolonged exposure.
- ※ Please use isolated constant voltage power supply with ripple voltage less than 5%.Using other types of power supply may damage the light or cause other safety risks.
- ※ In practical application, 20% allowance should be reserved for power supply to ensure the stability of power supply.
- ※ It is recommended that professionals connect the power supply. Do not connect the power supply with live power to avoid electric shock.
- ※ Please confirm whether the voltage of the power supply is consistent with the voltage of the light; Pay attention to the positive and negative poles of the power cord, do not connect wrong, so as not to cause product damage;
- ※ When multiple power supplies are used, ensure that the positive poles of the power supply are not connected in parallel. Otherwise, the power supply system may be unstable or damaged after long-term operation.
- ※ If the actual application length exceeds the specified length, it will lead to overload, heating and uneven brightness of the light.
- ※ During installation, please do not scratch, twist, or bend the light irregularly. Otherwise, the light may be damaged beyond repair.
- ※ To ensure the life and reliability of the light, please do not over bend the light, which will damage the product itself.
- ※ To protect your eyes, please avoid staring at the glowing surface of the light for a long time.
- ※ Non-professionals are forbidden to install, disassemble and maintain the product.
- ※ Do not use any acid or alkaline adhesive to fix the light (including but not limited to glass glue, etc.)