FULL SPECTRUM LED STRIP

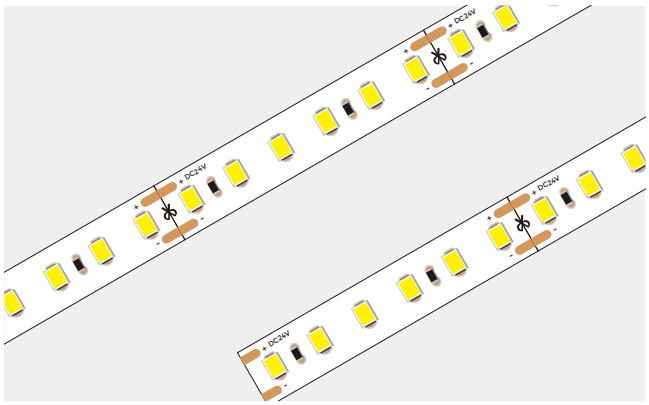
LY120-2835W-W24-10mm(One LED Chip)

5000906

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

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

Part Number:LY120-2835W30-W24-10mm-IP20 — IP20/IP65/IP67
W27/W30/W35/W40/W50/W65

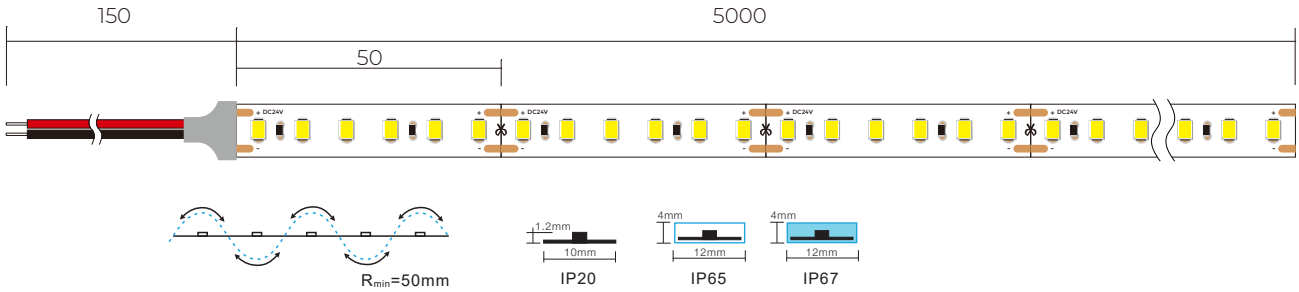


Description

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

3~5 Y Warranty

Dimensions & Waterproof



Physical & Electrical Parameters

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

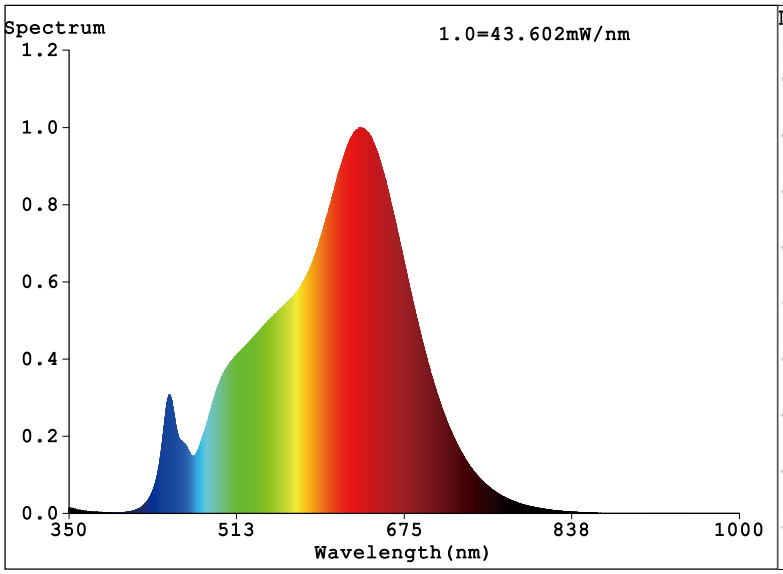
Voltage(V)	DC24V
LED Chips/m	120LEDs
LONG-life LED	50000h
Working temperture	-25℃~+45℃
Cuttable length(mm)	50

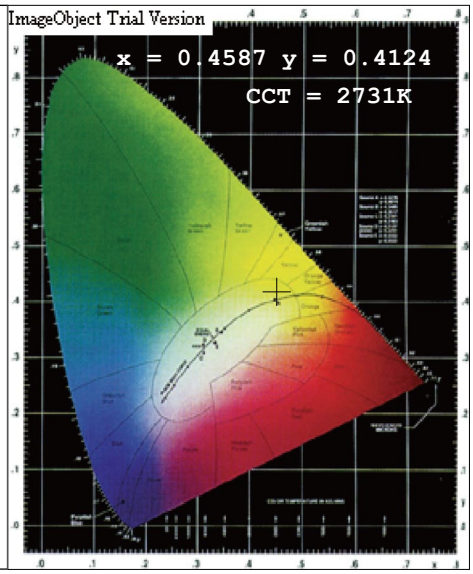
Photometric Parameters

CCT(K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
2700±150	24	1831.0	5	CV
3000±150	24	1930.3	5	CV
3500±200	24	2014.3	5	CV
4000^{+400}_{-200}	24	2038.6	5	CV
5000^{+400}_{-200}	24	2031.1	5	CV
6500±500	24	2059.4	5	CV

*CV: Constant Voltage, CC: Constant Current.

TM30(2700K)





Color Parameters:

Chromaticity Coordinate:x=0.4587 y=0.4124/u'=0.2609 v'=0.5278

CCT=2731K(Duv=0.0008) Dominant WL:Ld =583.8nm WL:Lc = --nm Purity=61.5%

Ratio:R=27.3% G=69.8% B=2.8% Peak WL:Lp=633.6nm FWHM=144.0nm

Render Index:Ra=96.9 AvgR=96.3 TM30:Rf=96 Rg=101

R1 =97	R2 =98	R3 =98	R4 =95	R5 =96	R6 =95	R7 =98	
R8 =98	R9 =94	R10=97	R11=90	R12=95	R13=97	R14=98	R15=99

Photo Parameters:

Flux = 1836 lm Eff. : 76.29 lm/W Fe = 6.966 W

Electrical parameters:

V = 23.998 V I = 1.003 A P = 24.07 W PF = 1.000

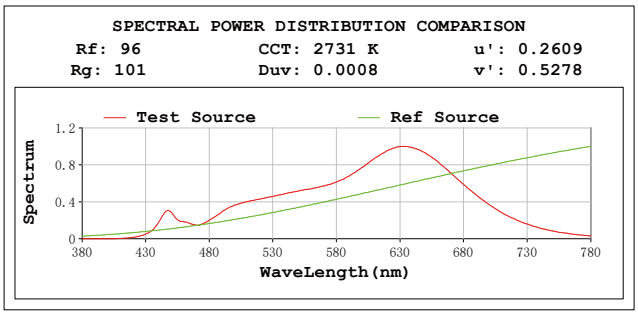
LEVEL:OUT WHITE:ANSI_2700K

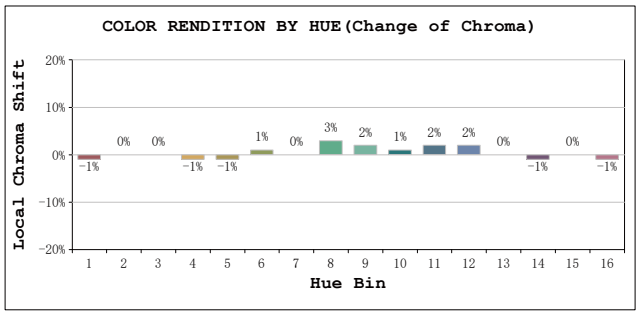
Status: Integral T = 109 ms Ip = 50910 (78%)

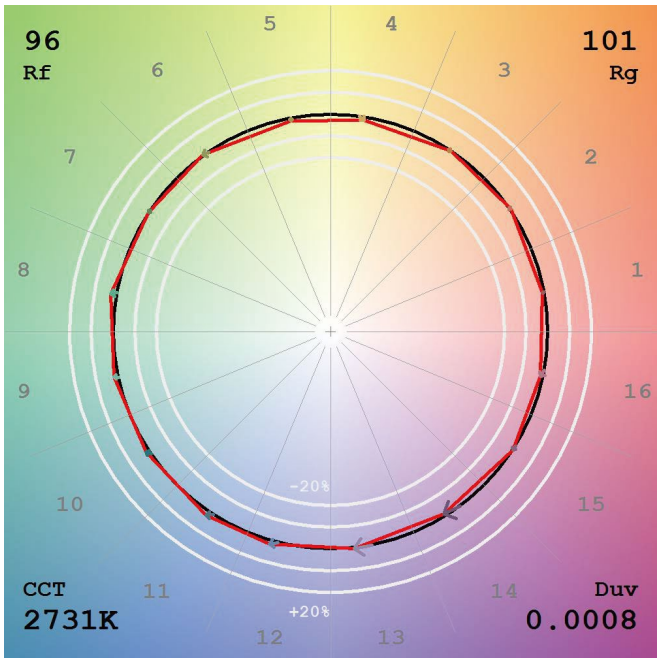
GBT5702

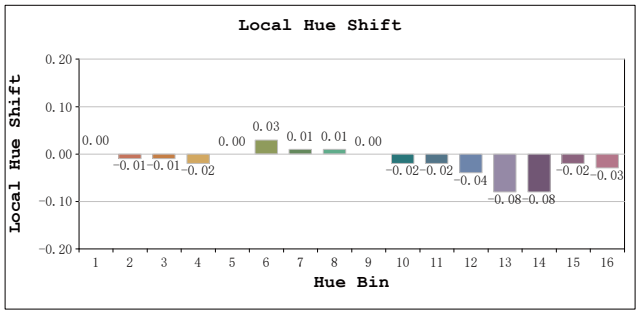
Spectrum Test Report(3000K)

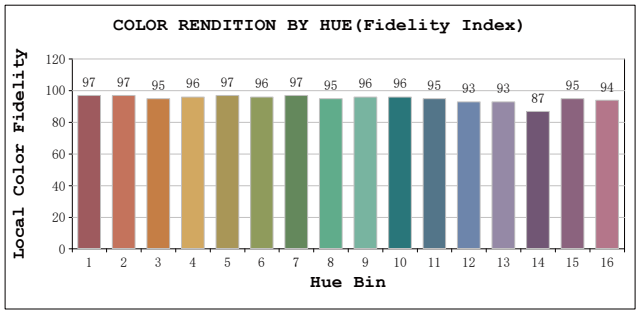
View Angle:2 Deg

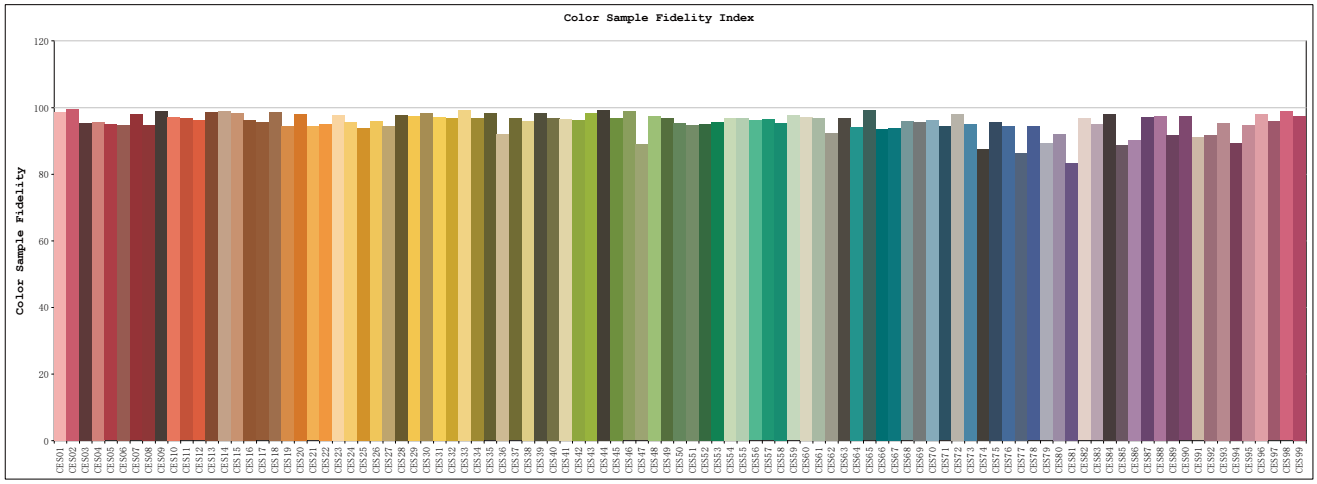




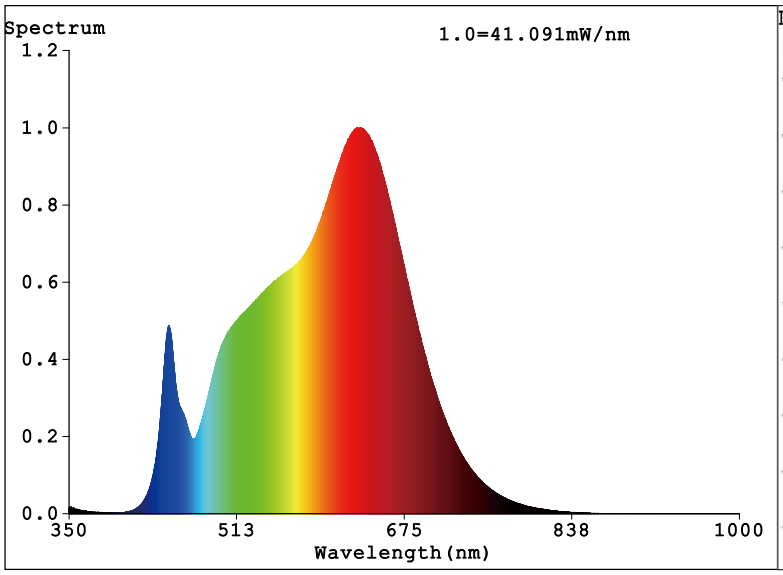




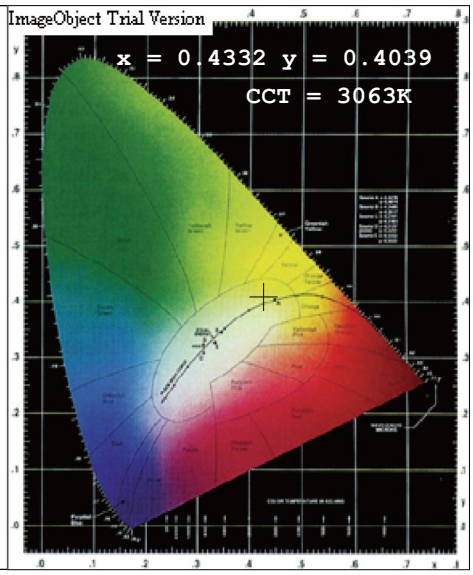




TM30(3000K)



CIE1931 EVERFINE



Color Parameters:

Chromaticity Coordinate:x=0.4332 y=0.4039/u'=0.2482 v'=0.5207

CCT=3063K(Duv=0.0004) Dominant WL:Ld =582.4nm WL:Lc = --nm Purity=51.2%

Ratio:R=24.9% G=71.8% B=3.3% Peak WL:Lp=629.1nm FWHM=174.3nm

Render Index:Ra=97.7 AvgR=97.2 TM30:Rf=96 Rg=102

R1 =98	R2 =99	R3 =97	R4 =95	R5 =97	R6 =97	R7 =99	
R8 =98	R9 =95	R10=99	R11=92	R12=95	R13=98	R14=98	R15=100

Photo Parameters:

Flux = 1931 lm Eff. : 80.43 lm/W Fe = 7.131 W

Electrical parameters:

V = 23.998 V I = 1.000 A P = 24.01 W PF = 1.000

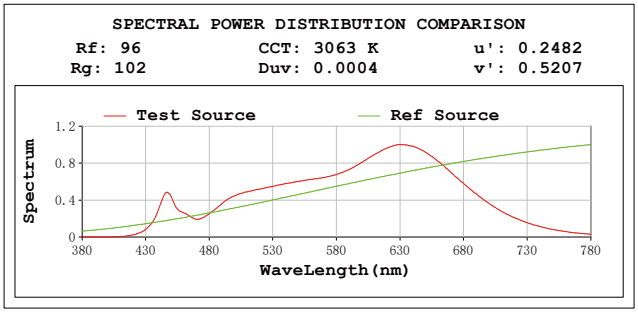
LEVEL:OUT WHITE:ANSI_3000K

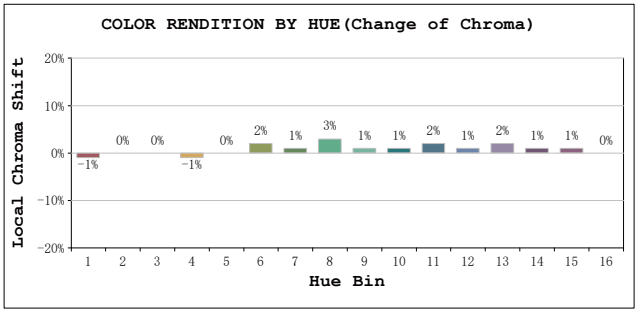
Status: Integral T = 109 ms Ip = 48886 (75%)

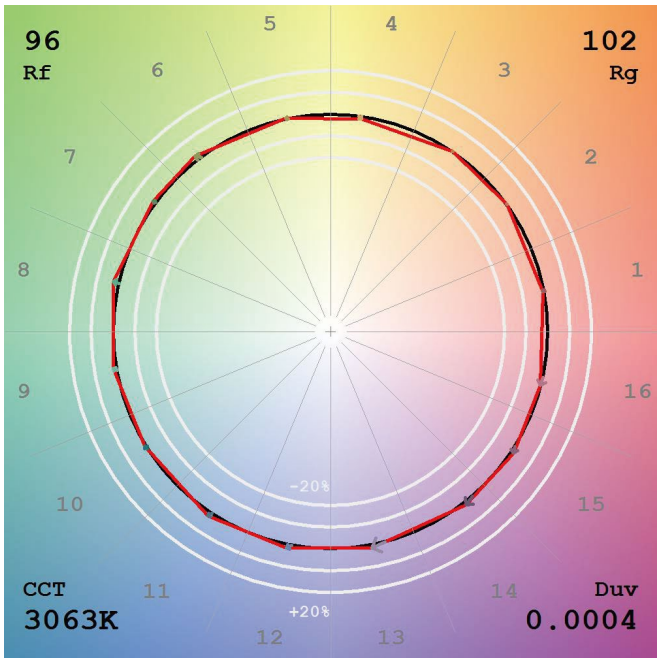
GBT5702

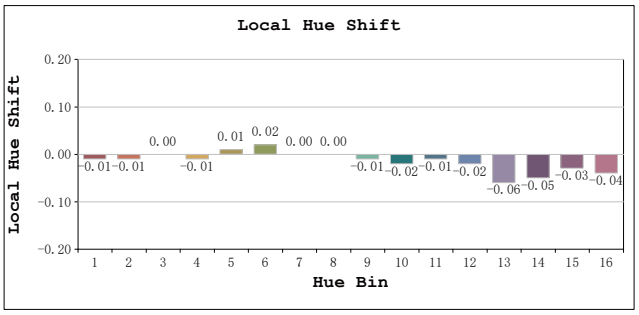
Spectrum Test Report(3500K)

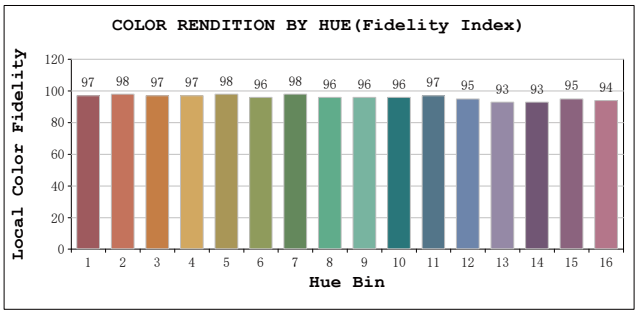
View Angle:2 Deg

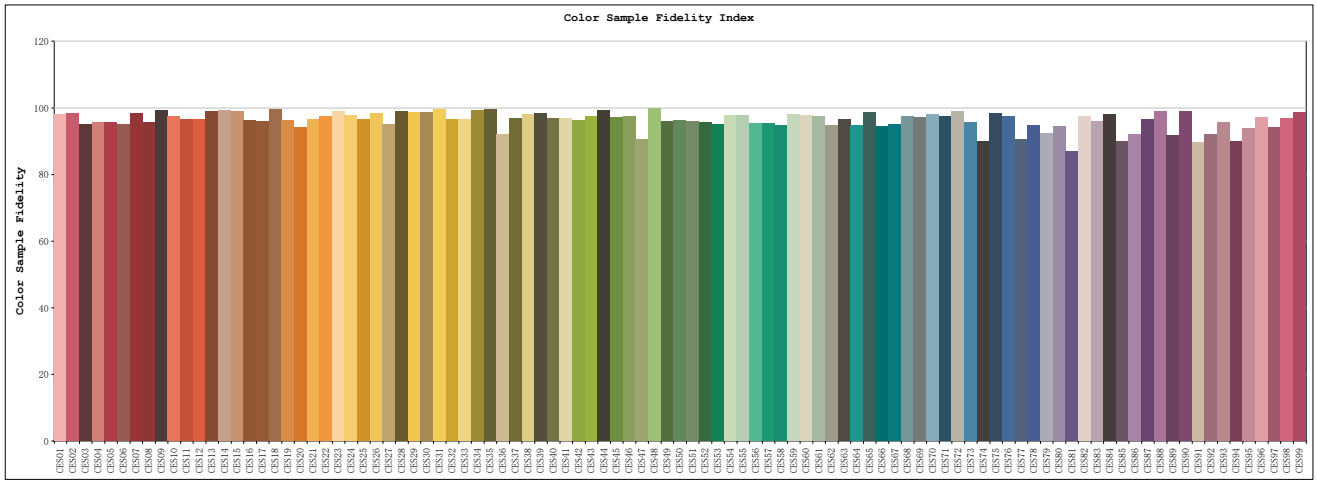




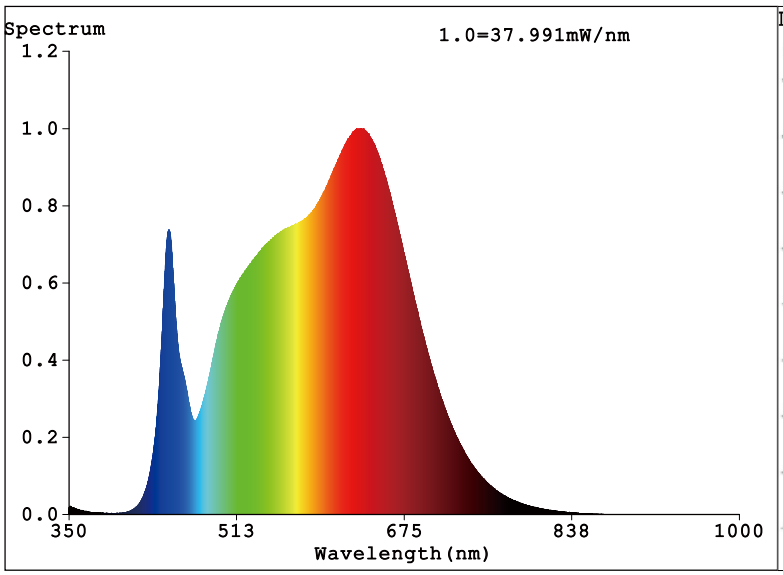








TM30(3500K)



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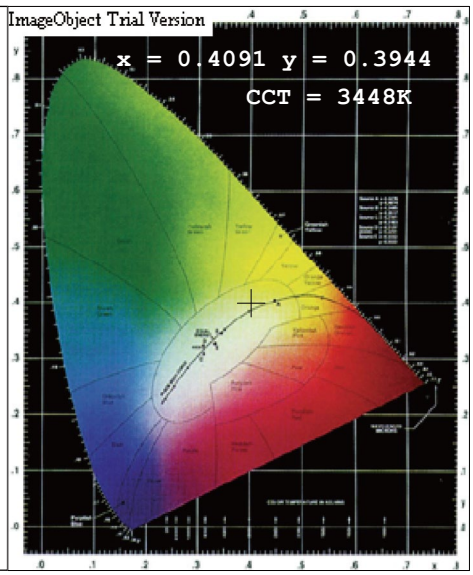


Color Parameters:

Chromaticity Coordinate:x=0.4091 y=0.3944/u'=0.2367 v'=0.5134

CCT=3448K(Duv=0.0008) Dominant WL:Ld =580.7nm WL:Lc = --nm Purity=41.2%

Ratio:R=22.4% G=74.0% B=3.5% Peak WL:Lp=629.1nm FWHM=192.0nm

Render Index:Ra=97.0 AvgR=95.7 TM30:Rf=96 Rg=102

R1 =99	R2 =97	R3 =94	R4 =96	R5 =98	R6 =96	R7 =97	
R8 =97	R9 =92	R10=93	R11=95	R12=86	R13=99	R14=96	R15=98

Photo Parameters:

Flux = 2019 lm Eff. : 83.93 lm/W Fe = 7.384 W

Electrical parameters:

V = 23.998 V I = 1.002 A P = 24.05 W PF = 1.000

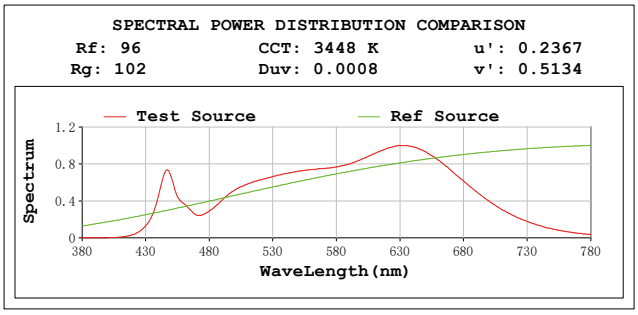
LEVEL:OUT WHITE:ANSI_3500K

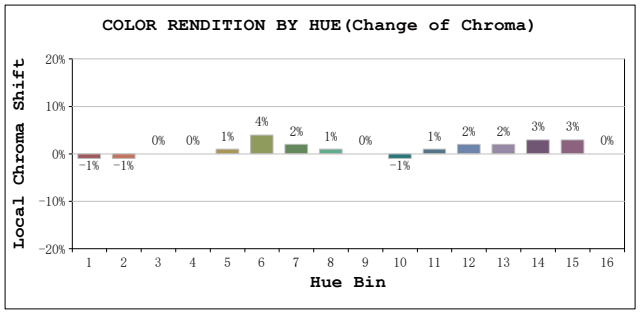
Status: Integral T = 109 ms Ip = 45665 (70%)

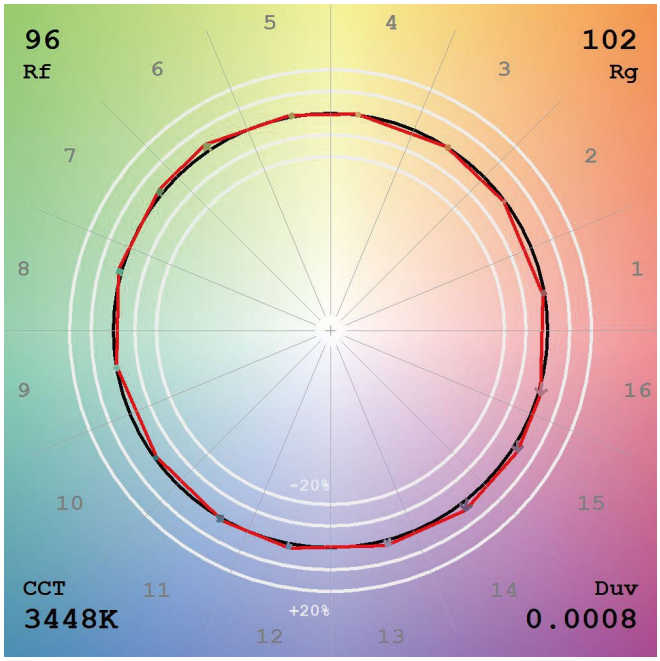
GBT5702

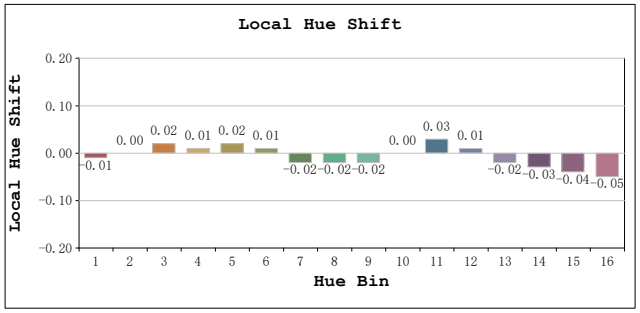
Spectrum Test Report(4000K)

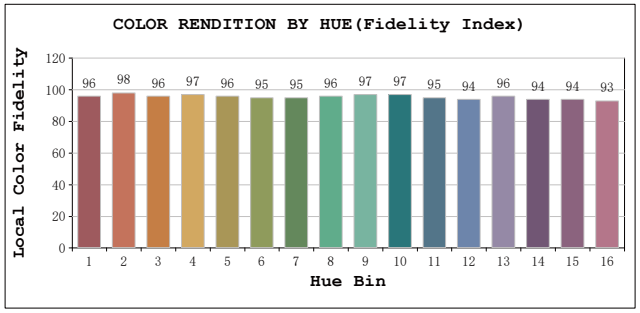
View Angle:2 Deg

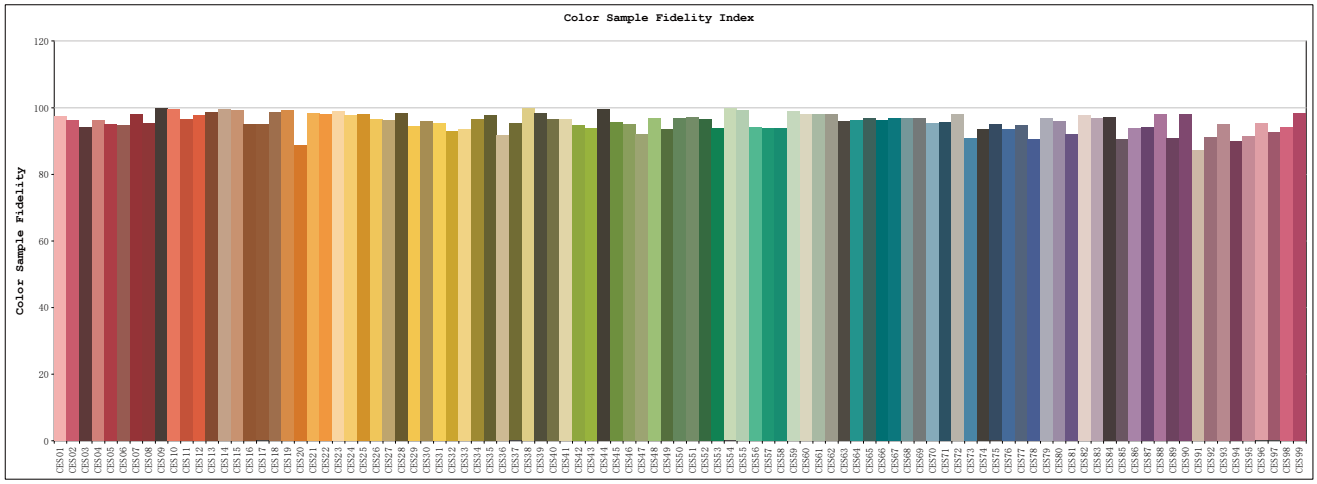




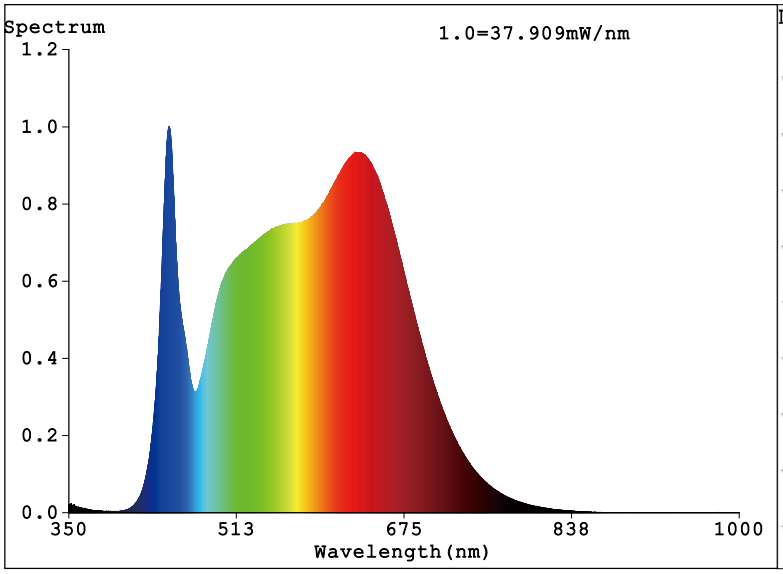


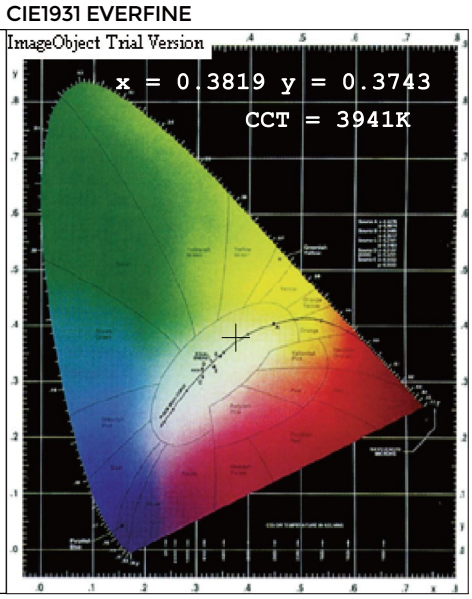






Spectrum Test Report(4000K)





Color Parameters:

Chromaticity Coordinate:x=0.3819 y=0.3743/u'=0.2271 v'=0.5007

CCT=3941K(Duv=-0.0016) Dominant WL:Ld =580.2nm WL:Lc = --nm Purity=26.9%

Ratio:R=20.9% G=74.7% B=4.4% Peak WL:Lp=447.1nm FWHM=21.3nm

Render Index:Ra=97.4 AvgR=96.7 TM30:Rf=96 Rg=103

R1 =99	R2 =99	R3 =95	R4 =95	R5 =99	R6 =97	R7 =97	
R8 =98	R9 =99	R10=97	R11=93	R12=87	R13=99	R14=97	R15=99

Photo Parameters:

Flux = 2040 lm Eff. : 84.94 lm/W Fe = 7.537 W

Electrical parameters:

V = 23.998 V I = 1.001 A P = 24.01 W PF = 1.000

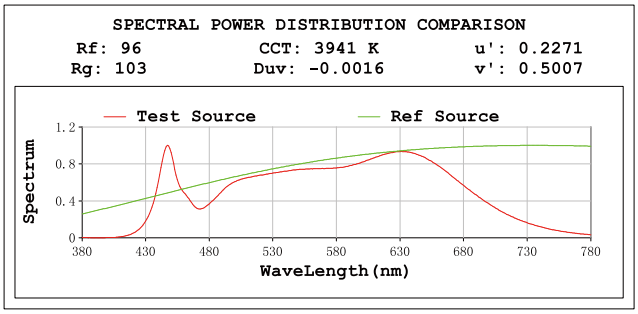
LEVEL:OUT WHITE:ANSI_4000K

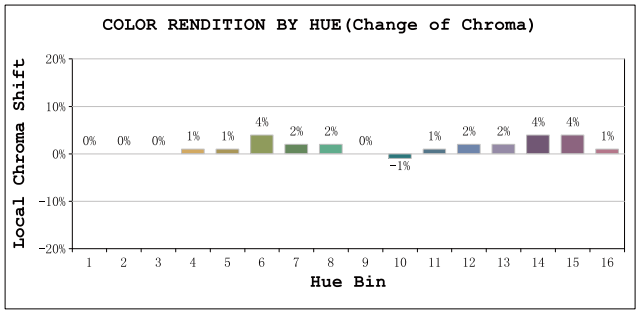
Status: Integral T = 109 ms Ip = 43030 (66%)

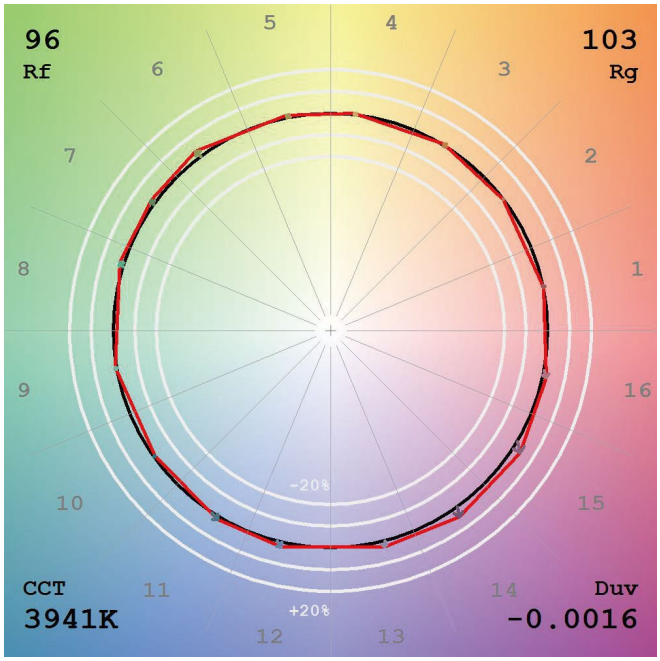
GBT5702

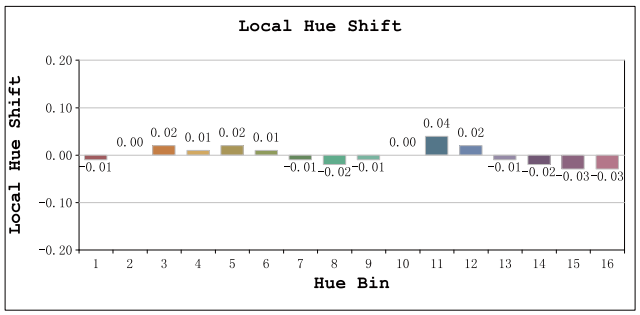
TM30(4000K)

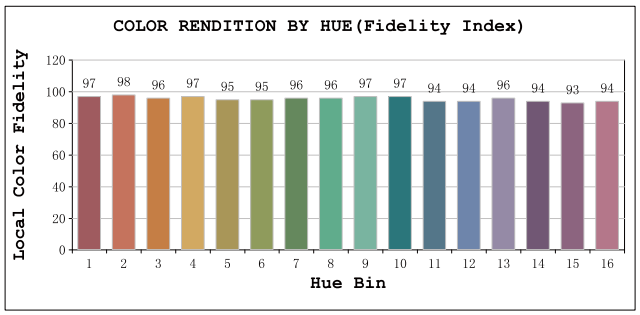
View Angle:2 Deg

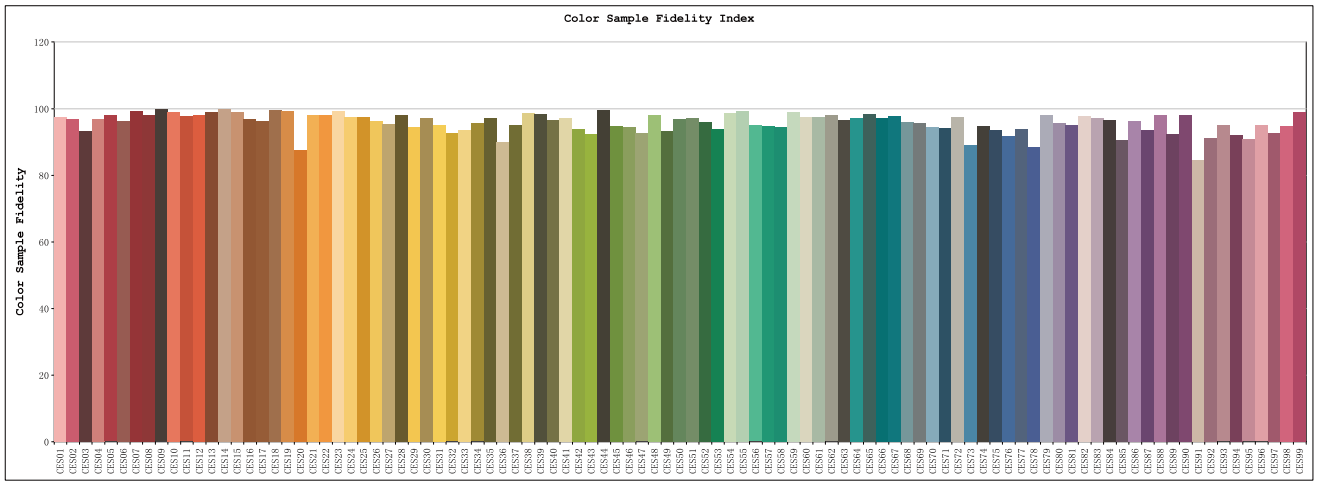




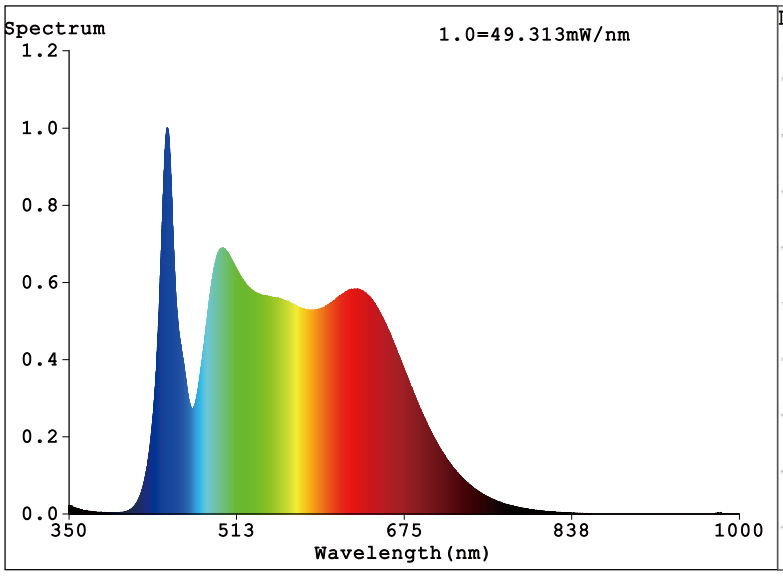








Spectrum Test Report(5000K)



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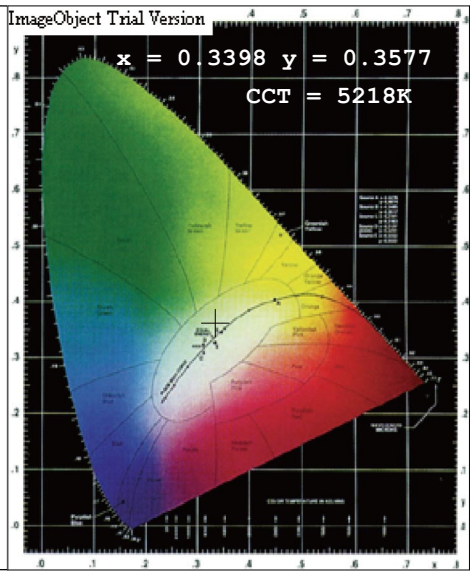


Color Parameters:

Chromaticity Coordinate:x=0.3398 y=0.3577/u'=0.2056 v'=0.4868

CCT=5218K(Duv=0.0052) Dominant WL:Ld =564.2nm WL:Lc = --nm Purity=9.3%

Ratio:R=17.5% G=76.2% B=6.3% Peak WL:Lp=445.1nm FWHM=18.5nm

Render Index:Ra=97.9 AvgR=97.7 TM30:Rf=96 Rg=102

R1 =99	R2 =99	R3 =99	R4 =94	R5 =97	R6 =99	R7 =98	
R8 =99	R9 =99	R10=97	R11=91	R12=97	R13=99	R14=99	R15=100

Photo Parameters:

Flux = 2012 lm Eff. : 84.63 lm/W Fe = 7.425 W

Electrical parameters:

V = 23.998 V I = 0.9909 A P = 23.78 W PF = 1.000

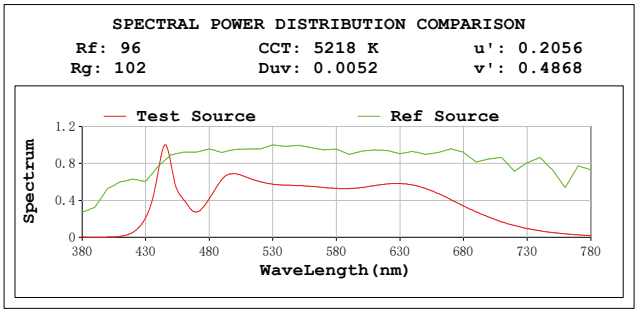
LEVEL:OUT WHITE:ANSI_5000K

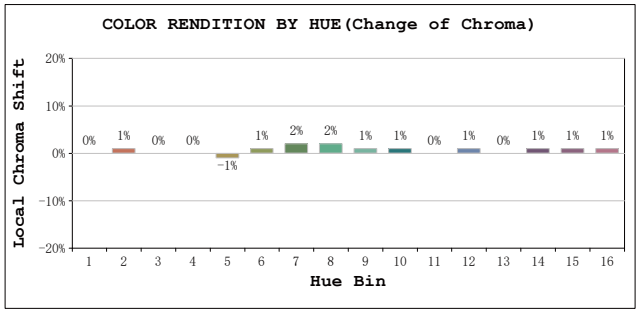
Status: Integral T = 98 ms Ip = 43649 (67%)

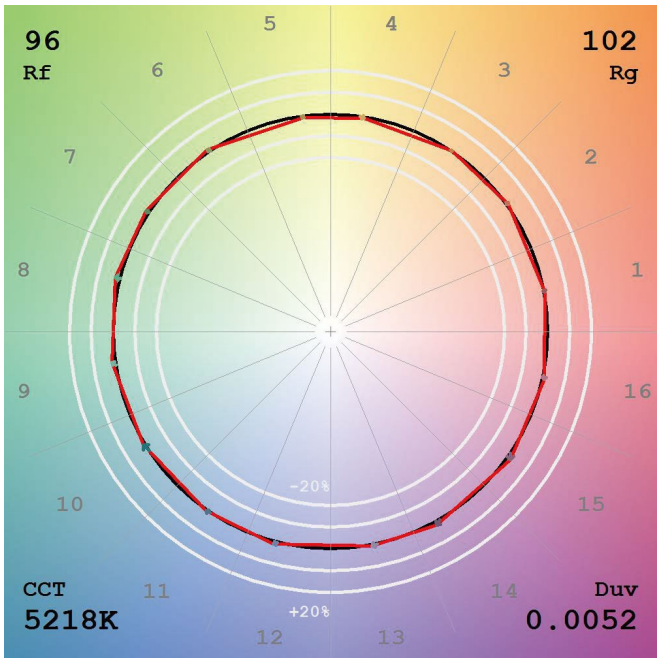
GBT5702

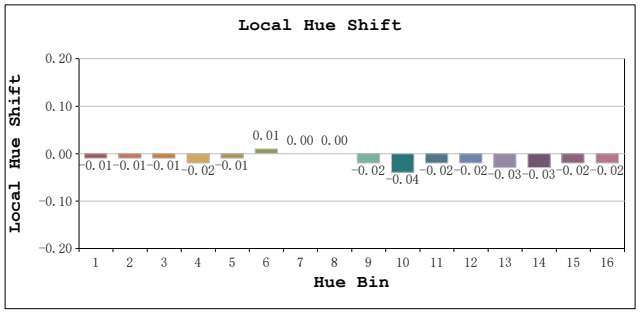
TM30(5000K)

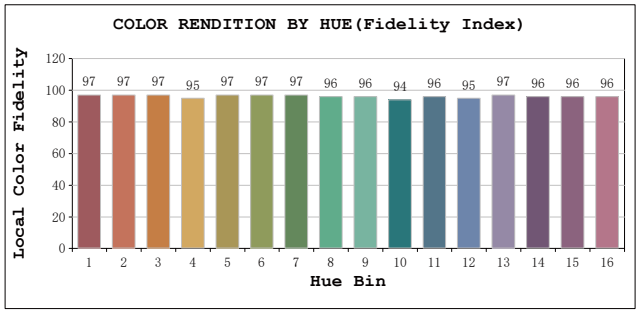
View Angle:2 Deg

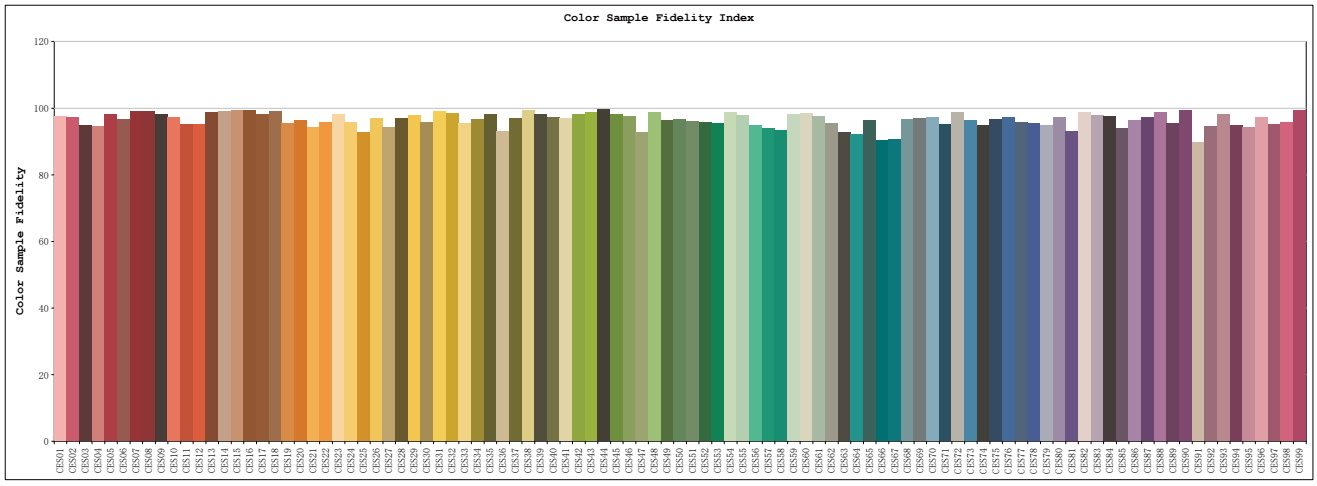




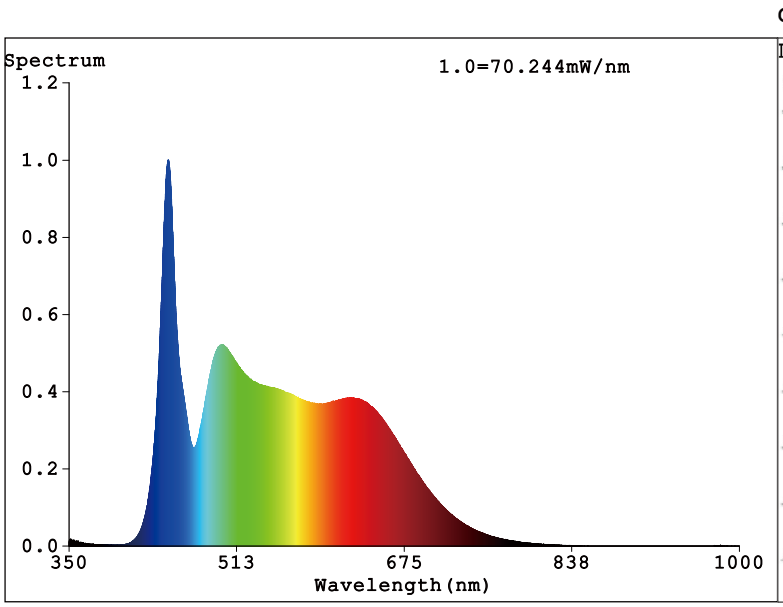








Spectrum Test Report(6500K)



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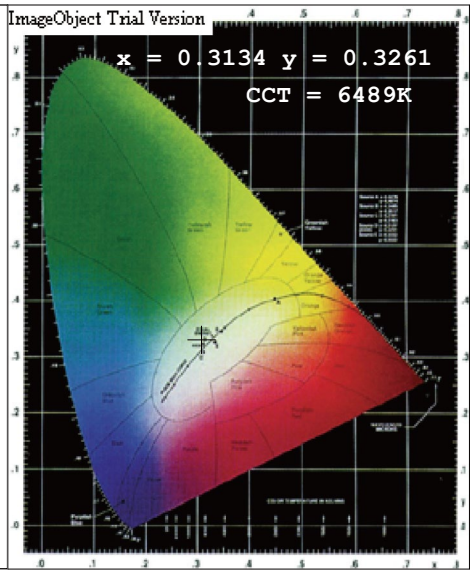


Color Parameters:

Chromaticity Coordinate:x=0.3134 y=0.3261/u'=0.1994 v'=0.4669

CCT=6489K(Duv=0.0014) Dominant WL:Ld =486.9nm WL:Lc = --nm Purity=7.3%

Ratio:R=16.1% G=76.6% B=7.3% Peak WL:Lp=446.1nm FWHM=18.3nm

Render Index:Ra=96.7 AvgR=95.6 TM30:Rf=96 Rg=103

R1 =97	R2 =99	R3 =98	R4 =93	R5 =96	R6 =98	R7 =98	
R8 =96	R9 =90	R10=97	R11=89	R12=91	R13=97	R14=99	R15=97

Photo Parameters:

Flux = 2069 lm Eff. : 85.81 lm/W Fe = 7.904 W

Electrical parameters:

V = 23.998 V I = 1.005 A P = 24.11 W PF = 1.000

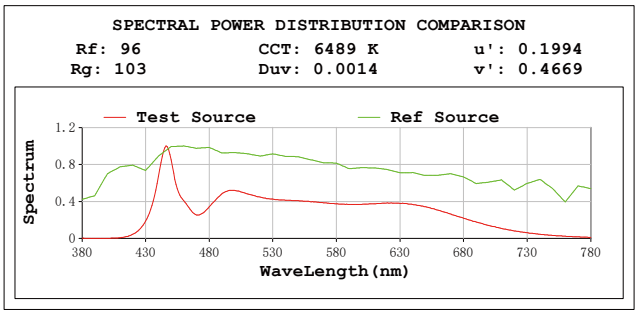
LEVEL:OUT WHITE:ANSI_6500K

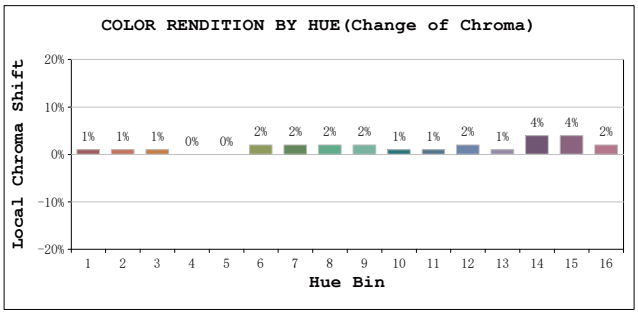
Status: Integral T = 54 ms Ip = 35948 (55%)

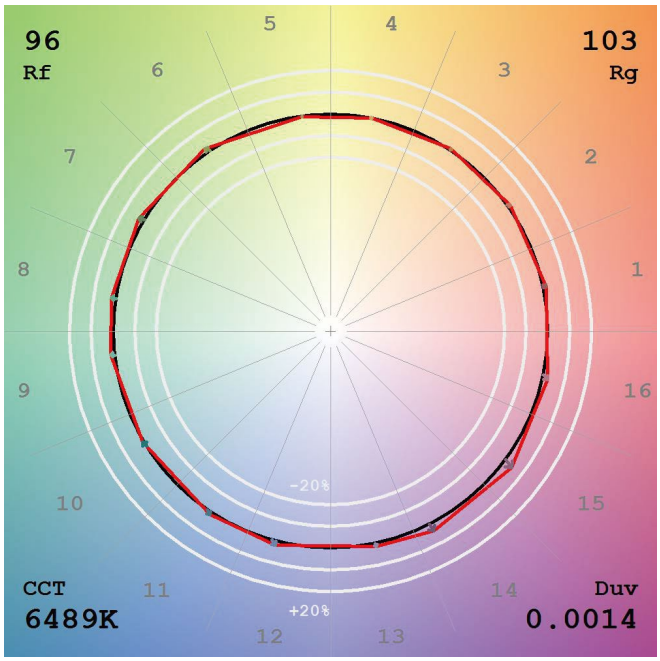
GBT5702

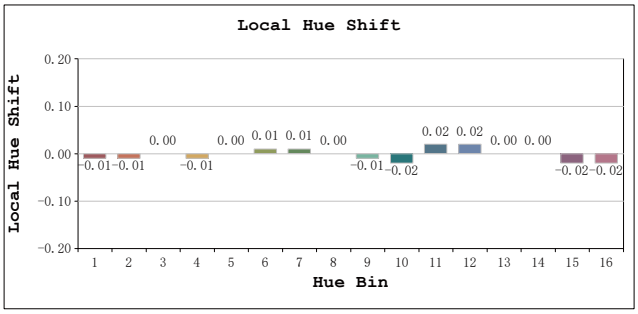
TM30(6500K)

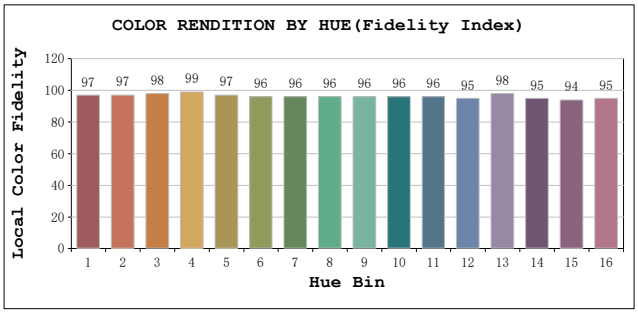
View Angle:2 Deg

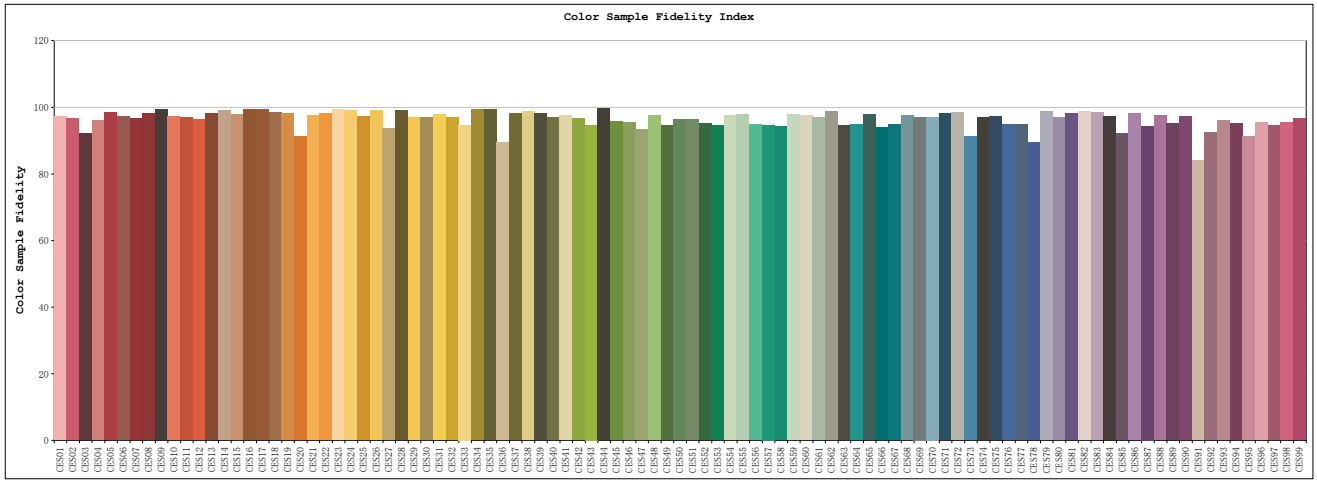




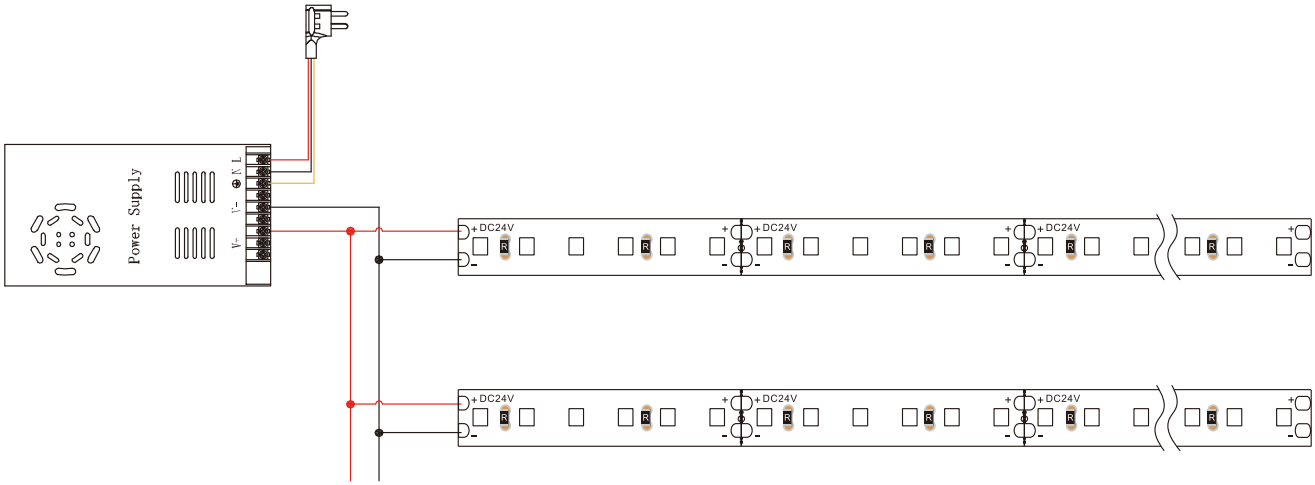






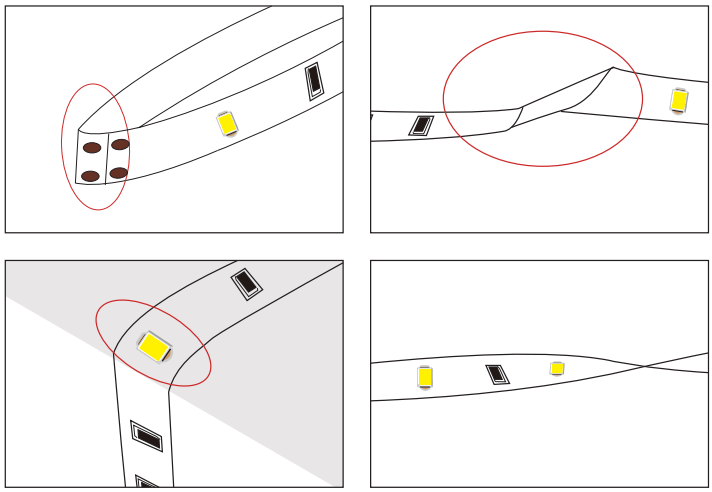


Wiring Diagram

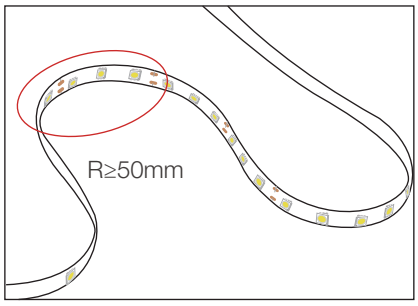


⚠ Cautions

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



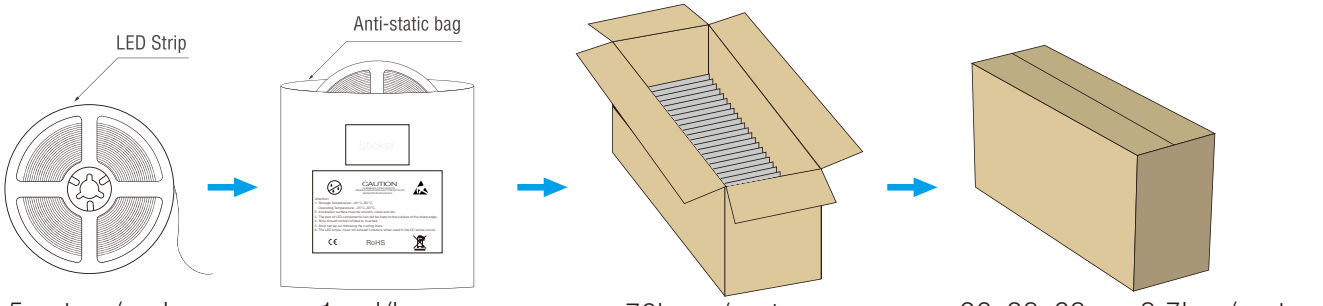
Distortion(Wrong)



Bend(Right)

- LED strips are low votage 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



5meters/reel | 1reel/bag | 70bags/carton | 26x28x68cm, 8.7kgs/carton

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.)

