

MEDIUM BRIGHTNESS

ZAFIRO

FLEXIBLE STRIP

Ref: 31.094 7800°K
 Ref: 31.095 4000°K
 Ref: 31.096 2800°K

Single-coloured "BASIC" flexible strip

IP65 with 60 leds/metre 5050SMD.

Requires use with led profile to permit dissipation.

10mm PCB

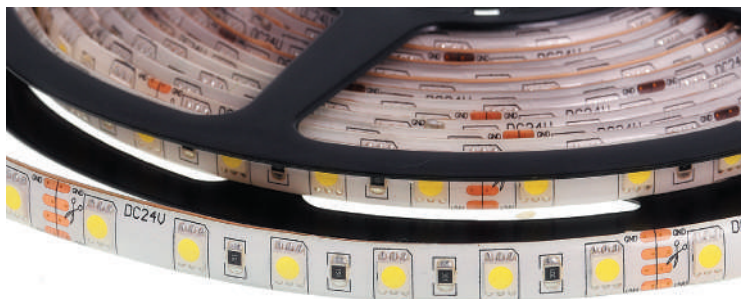
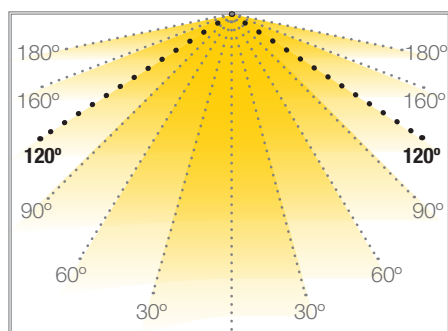
Daily recommended use: 12h

Maximum connection in open circuit: 5m

Maximum connection in closed circuit: 10m

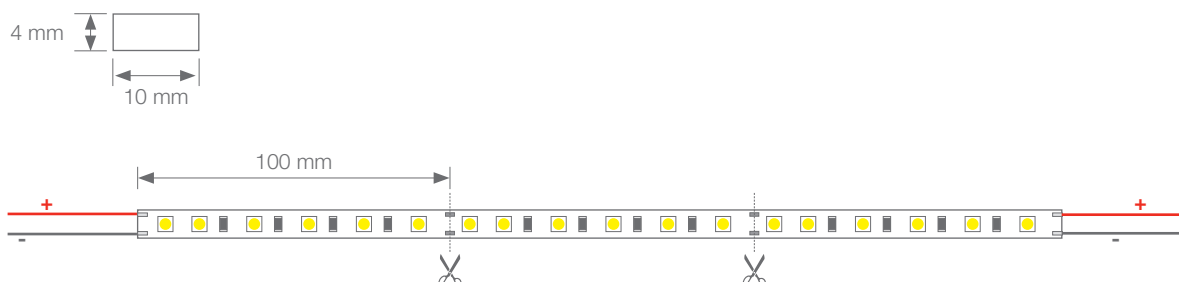
Estimated lifespan: 30000h *

* Depending on the dissipation of the profile, the daily working hours and the external environmental working temperature



Power (W)	15W/m
Voltage (V)	24V
Led type	SMD5050
Lumens (7800°K)	1203 Lm/m
Lumens (4000°K)	1477 Lm/m
Lumens (2800°K)	1103 Lm/m
CRI	>85
Light emission	120°
Waterproofing	IP65
N° leds/m	60
Measurements	5000x10x4mm
Cutable	cada 100mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor/outdoor
Packaging	1 roll/5m
Guarantee	2 years

Aprobado por:  

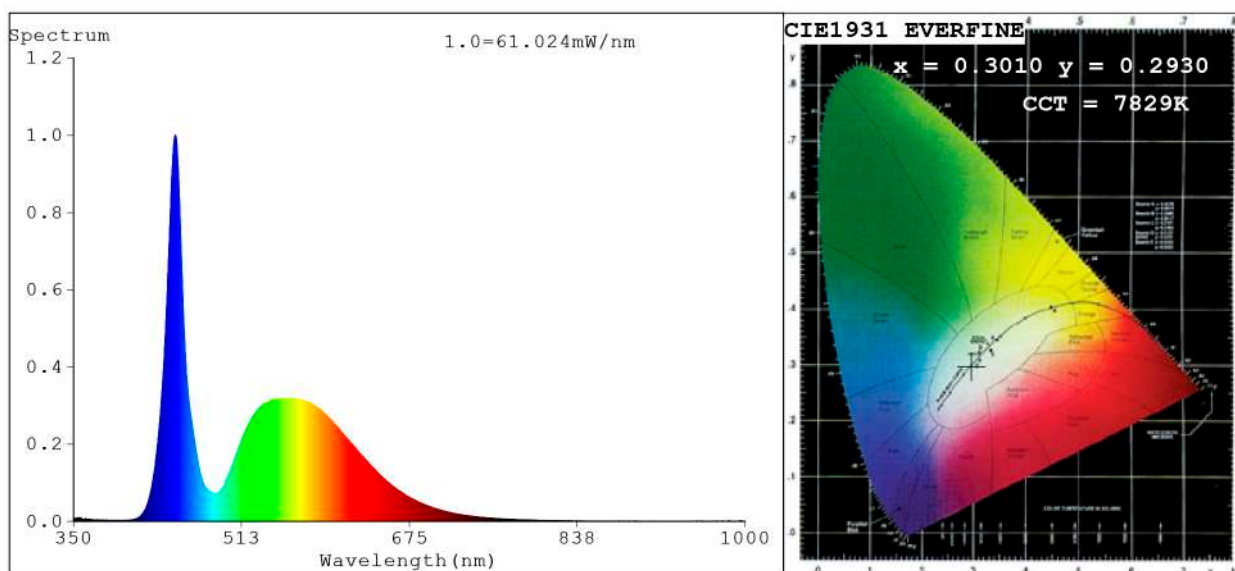


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 Tel: +33 (0) 160 426 585

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3010$ $y=0.2930$ $u'=0.2036$ $v'=0.4459$
 CCT=7829K (Duv=-0.0098) Dominant WL:Ld =471.8nm Purity=15.1%
 Ratio:R=12.9% G=82.6% B=4.5%; Peak WL:Lp=448.5nm FWHM=17.7nm
 Render Index:Ra=76.8 CRI=68.4 TM30:Rf=68 Rg=97
 R1 =80 R2 =78 R3 =71 R4 =81 R5 =80 R6 =68 R7 =82
 R8 =75 R9 =15 R10=43 R11=81 R12=43 R13=79 R14=83 R15=81

Photo Parameters:

Flux = 1179 lm Eff. : 77.13 lm/W Fe = 4.031 W Scotopic:2554.9 S/P:2.1672

Electrical parameters:

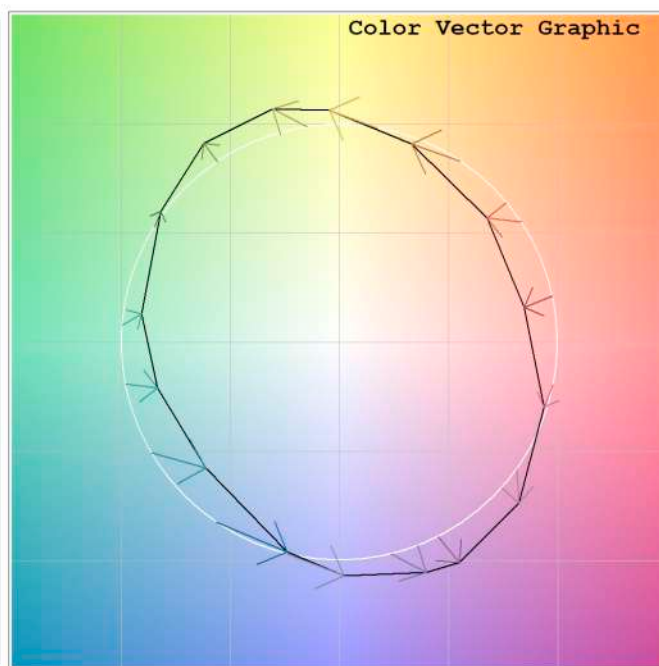
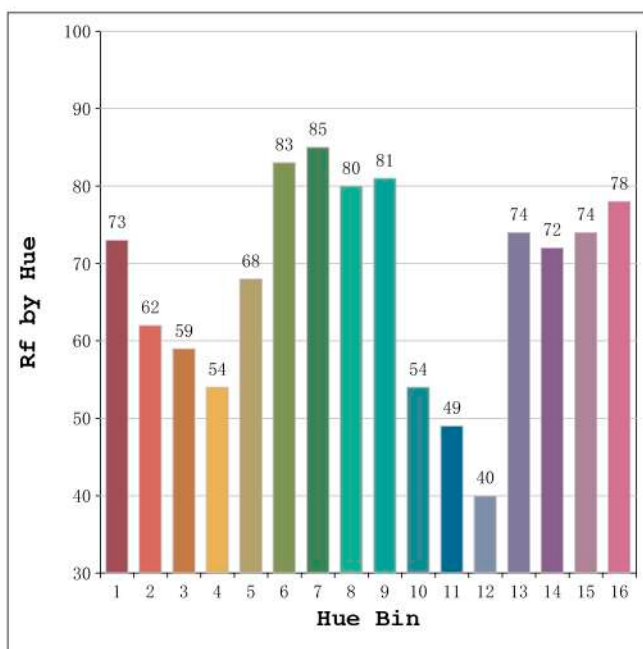
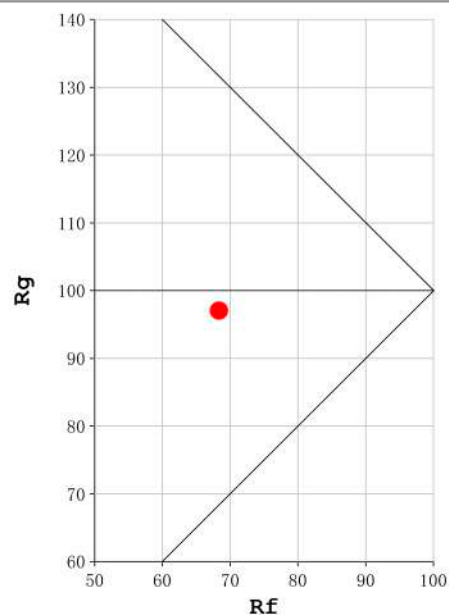
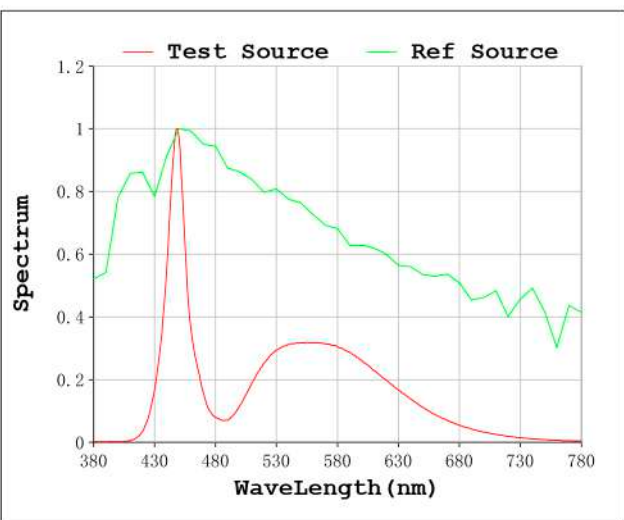
V = 23.998 V I = 0.6369 A P = 15.28 W PF = 1.000

Status: Integral T = 424 ms Ip = 40496 (62%)

Model:Ecoled Zafiro pro 7800K
 Tester:Sergio Carneros
 Temperature:25Deg
 Manufacturer:Luz Negra S.L

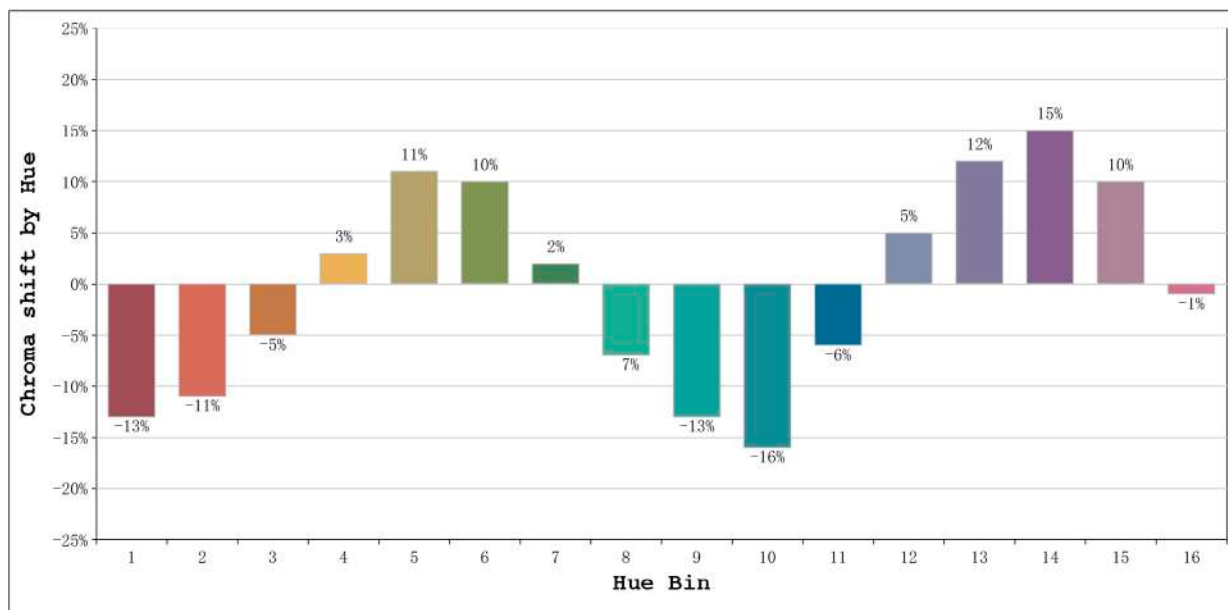
Number: 31.094
 Date:26-5-2021
 Humidity:57%
 Remarks:100cm de tira flexible

Rf: 68 CCT: 7829 K u': 0.2036
Rg: 97 Duv: -0.0098 v': 0.4459



Model:Ecoled Zafiro pro 7800K
Tester:Sergio Carneros
Temperature:25Deg
Manufacturer:Luz Negra S.L

Number: 31.094
Date:26-5-2021
Humidity:57%
Remarks:100cm de tira flexible

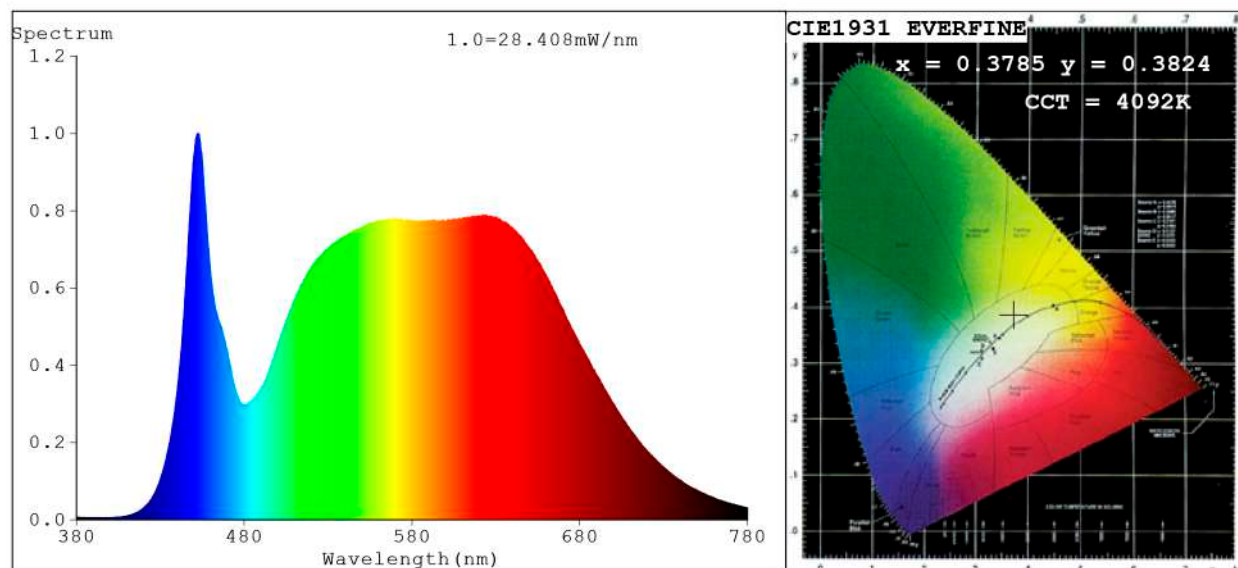


Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	73	-13	-2
2	22.5° - 45.0°	62	-11	11
3	45.0° - 67.5°	59	-5	23
4	67.5° - 90.0°	54	3	23
5	90.0° - 112.5°	68	11	14
6	112.5° - 135.0°	83	10	0
7	135.0° - 157.5°	85	2	-6
8	157.5° - 180.0°	80	-7	-6
9	180.0° - 202.5°	81	-13	5
10	202.5° - 225.0°	54	-16	20
11	225.0° - 247.5°	49	-6	34
12	247.5° - 270.0°	40	5	28
13	270.0° - 292.5°	74	12	14
14	292.5° - 315.0°	72	15	1
15	315.0° - 337.5°	74	10	-11
16	337.5° - 360.0°	78	-1	-10

Model:Ecoled Zafiro pro 7800K
 Tester:Sergio Carneros
 Temperature:25Deg
 Manufacturer:Luz Negra S.L

Number: 31.094
 Date:26-5-2021
 Humidity:57%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3785 y=0.3824/u'=0.2216 v'=0.5037
 CCT=4092K (Duv=0.0032) Dominant WL:Ld =577.0nm Purity=28.3%
 Ratio:R=18.9% G=77.3% B=3.8%; Peak WL:Lp=452.9nm FWHM=22.7nm
 Render Index:Ra=90.7 CRI=86.4 TM30:Rf=90 Rg=98 Lav=579.7nm
 R1 =90 R2 =92 R3 =92 R4 =91 R5 =89 R6 =88 R7 =96
 R8 =87 R9 =65 R10=80 R11=89 R12=63 R13=91 R14=95 R15=89

Photo Parameters:

Flux = 1477 lm Eff. : 98.36 lm/W Fe = 5.060 W Scotopic:2604 S/P:1.7635

Electrical parameters:

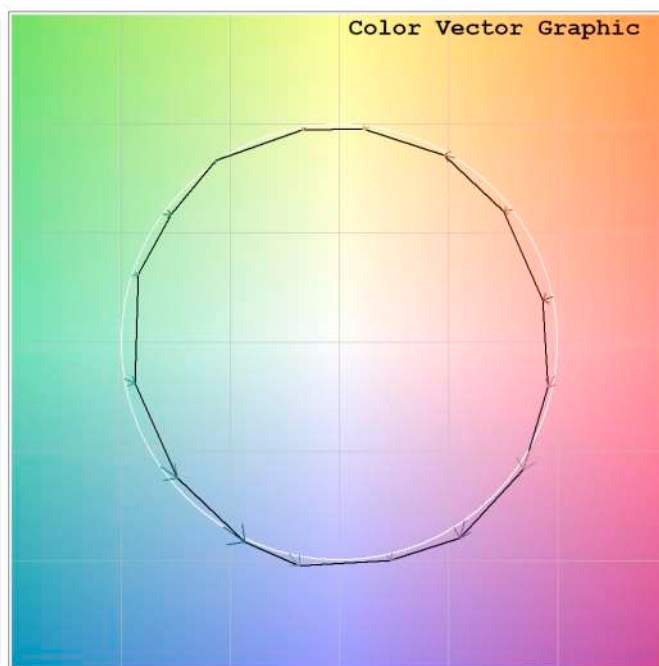
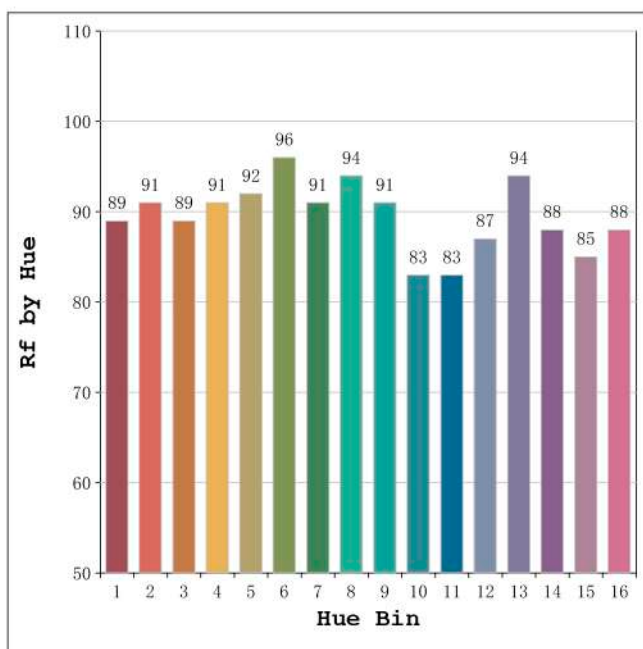
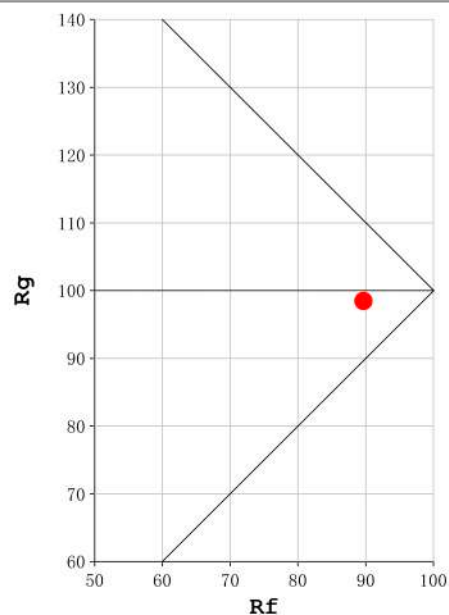
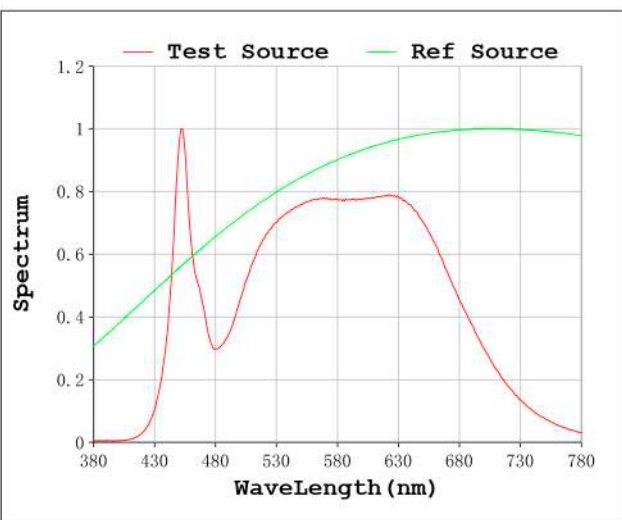
V = 23.998 V I = 0.6256 A P = 15.01 W PF = 1.000

Status: Integral T = 1000 ms Ip = 45408 (69%)

Model:Ecoled Zafiro pro 4000K
 Tester:Sergio Carneros
 Temperature:25Deg
 Manufacturer:Luz Negra.S.L

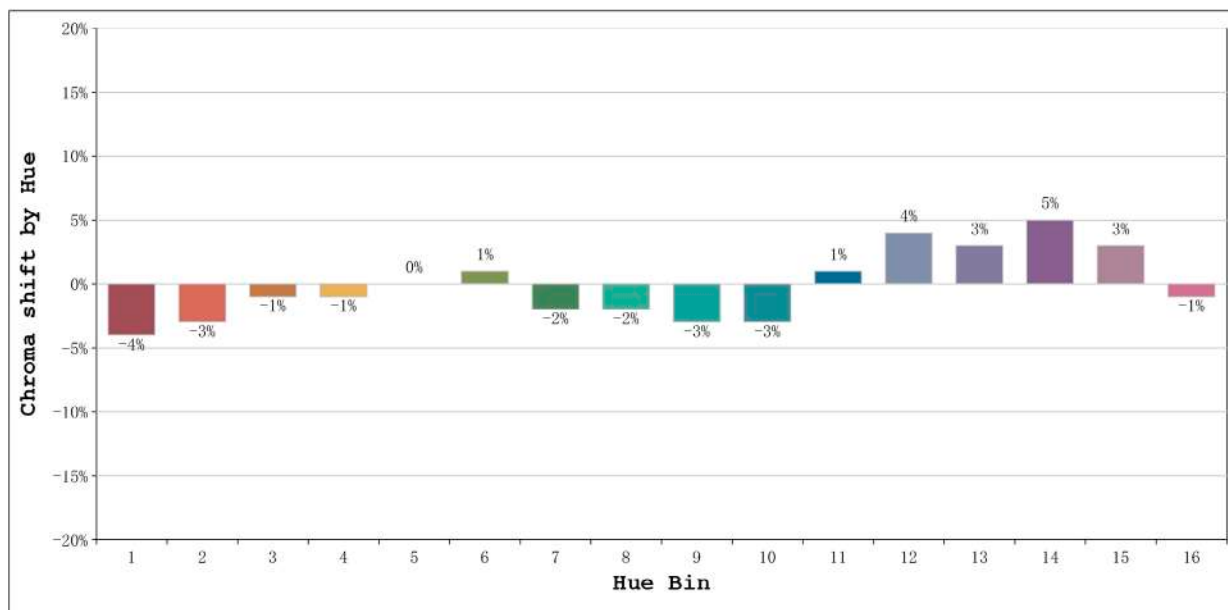
Number: 31.095
 Date:26-5-2021
 Humidity:57%
 Remarks:100cm Tira flexible

Rf: 90 CCT: 4092 K u': 0.2216
Rg: 98 Duv: 0.0032 v': 0.5037



Model:Ecoled Zafiro pro 4000K
Tester:Sergio Carneros
Temperature:25Deg
Manufacturer:Luz Negra.S.L

Number: 31.095
Date:26-5-2021
Humidity:57%
Remarks:100cm Tira flexible

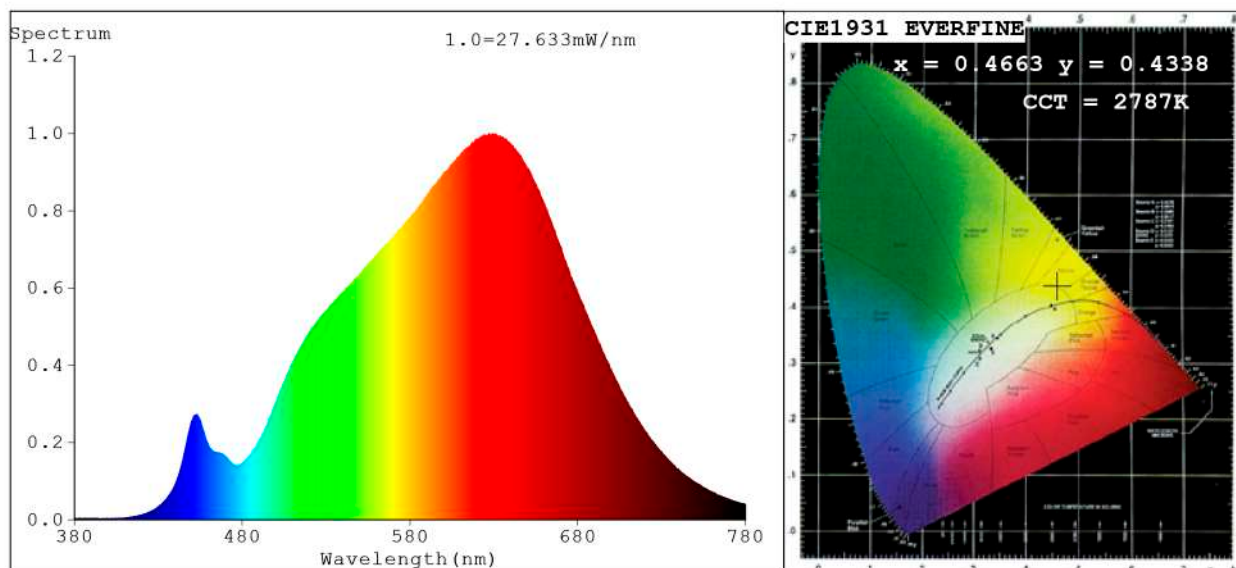


Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	89	-4	0
2	22.5° - 45.0°	91	-3	2
3	45.0° - 67.5°	89	-1	5
4	67.5° - 90.0°	91	-1	3
5	90.0° - 112.5°	92	0	2
6	112.5° - 135.0°	96	1	0
7	135.0° - 157.5°	91	-2	-1
8	157.5° - 180.0°	94	-2	0
9	180.0° - 202.5°	91	-3	3
10	202.5° - 225.0°	83	-3	9
11	225.0° - 247.5°	83	1	12
12	247.5° - 270.0°	87	4	6
13	270.0° - 292.5°	94	3	-1
14	292.5° - 315.0°	88	5	-5
15	315.0° - 337.5°	85	3	-7
16	337.5° - 360.0°	88	-1	-4

Model:Ecoled Zafiro pro 4000K
 Tester:Sergio Carneros
 Temperature:25Deg
 Manufacturer:Luz Negra.S.L

Number: 31.095
 Date:26-5-2021
 Humidity:57%
 Remarks:100cm Tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4663$ $y=0.4338$ $u'=0.2564$ $v'=0.5368$
 CCT=2787K (Duv=0.0078) Dominant WL: $\lambda_d = 581.5\text{nm}$ Purity=70.2%
 Ratio: R=24.9% G=73.2% B=1.9%; Peak WL: $\lambda_p = 627.0\text{nm}$ FWHM=165.5nm
 Render Index: Ra=90.1 CRI=85.8 TM30: Rf=90 Rg=93 Lav=609.7nm
 R1 =89 R2 =91 R3 =93 R4 =91 R5 =88 R6 =89 R7 =96
 R8 =83 R9 =56 R10=79 R11=91 R12=70 R13=89 R14=95 R15=85

Photo Parameters:

Flux = 1345 lm Eff. : 90.31 lm/W Fe = 4.653 W Scotopic: 1657.4 S/P: 1.2323

Electrical parameters:

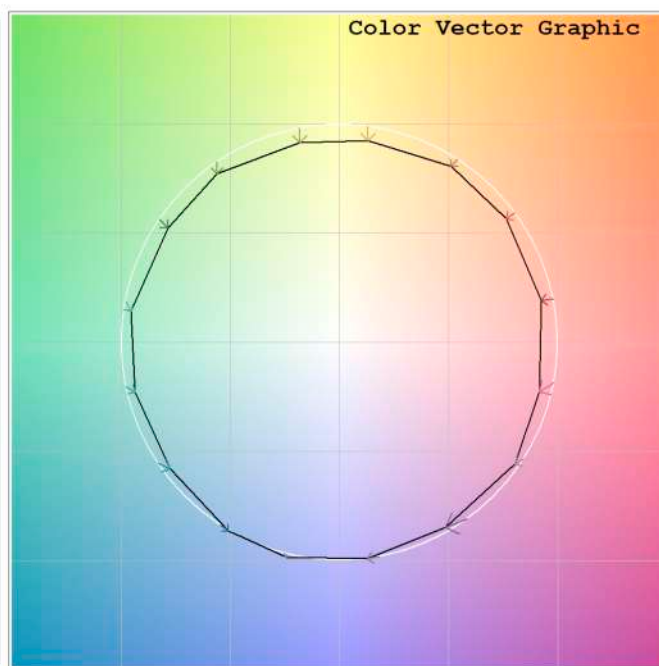
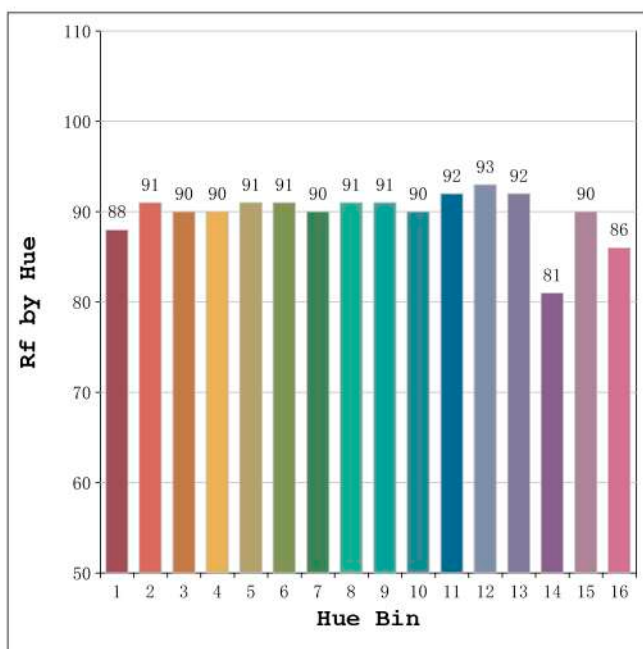
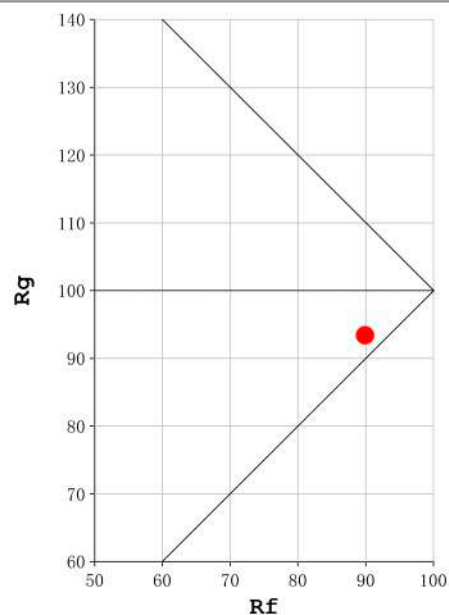
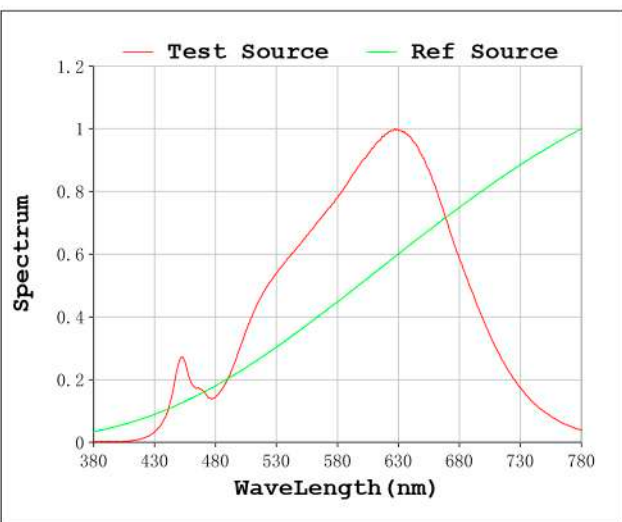
V = 23.998 V I = 0.6206 A P = 14.89 W PF = 1.000

Status: Integral T = 1000 ms Ip = 46960 (72%)

Model: Ecoled Zafiro pro 2800K
 Tester: Sergio Carneros
 Temperature: 25Deg
 Manufacturer: Luz Negra.S.L

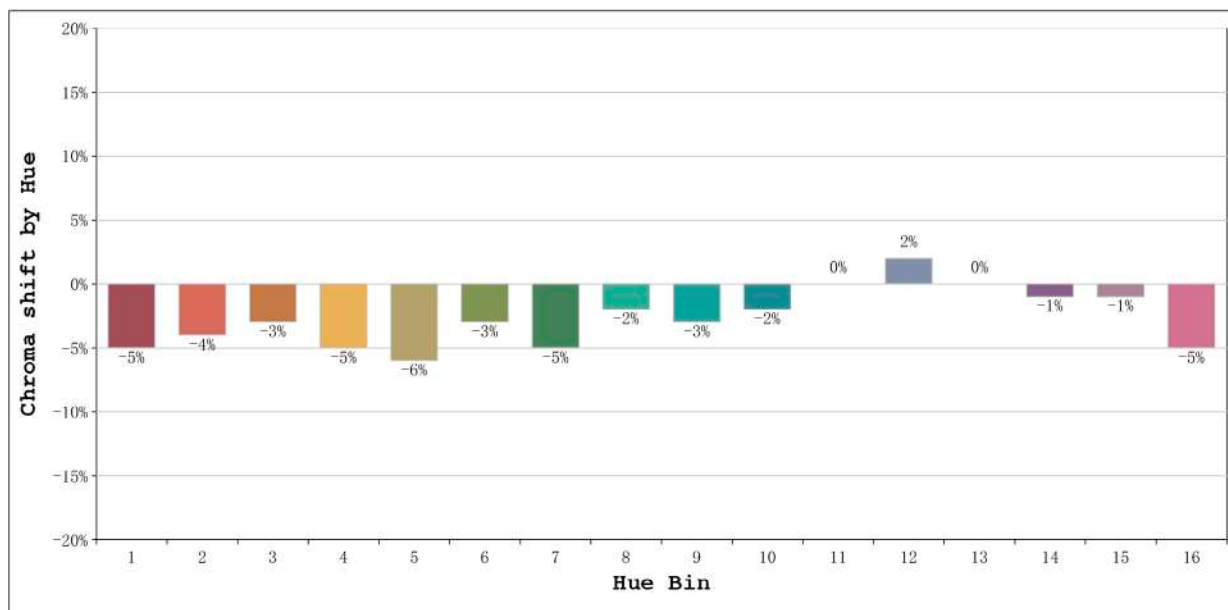
Number: 31.096
 Date: 26-5-2021
 Humidity: 57%
 Remarks: 100cm Tira flexible

Rf: 90 CCT: 2787 K u': 0.2564
Rg: 93 Duv: 0.0078 v': 0.5368



Model:Ecoled Zafiro pro 2800K
Tester:Sergio Carneros
Temperature:25Deg
Manufacturer:Luz Negra.S.L

Number: 31.096
Date:26-5-2021
Humidity:57%
Remarks:100cm Tira flexible



Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	88	-5	0
2	22.5° - 45.0°	91	-4	0
3	45.0° - 67.5°	90	-3	0
4	67.5° - 90.0°	90	-5	-1
5	90.0° - 112.5°	91	-6	1
6	112.5° - 135.0°	91	-3	3
7	135.0° - 157.5°	90	-5	1
8	157.5° - 180.0°	91	-2	4
9	180.0° - 202.5°	91	-3	3
10	202.5° - 225.0°	90	-2	5
11	225.0° - 247.5°	92	0	5
12	247.5° - 270.0°	93	2	1
13	270.0° - 292.5°	92	0	-4
14	292.5° - 315.0°	81	-1	-10
15	315.0° - 337.5°	90	-1	-3
16	337.5° - 360.0°	86	-5	-4

Model:Ecoled Zafiro pro 2800K
 Tester:Sergio Carneros
 Temperature:25Deg
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Number: 31.096
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 Humidity:57%
 Remarks:100cm Tira flexible