

MEDIA LUMINOSIDAD

Ref: 33.036
Ref: 33.037
Ref: 33.038

6000°K
4000°K
2800°K

CASTELLON PRO

TIRAS FLEXIBLES 48V

Tira flexible monocolor de 48V con 150 leds/metro.

PCB de 10mm.

Requiere uso de led profile para disipación.

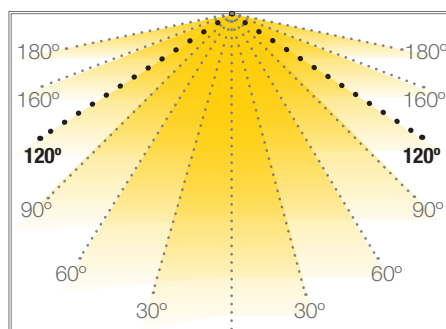
Uso diario máximo recomendado: 18h.

Conexión máxima en circuito abierto: 30 m.

Conexión máxima en circuito cerrado: 50 m.

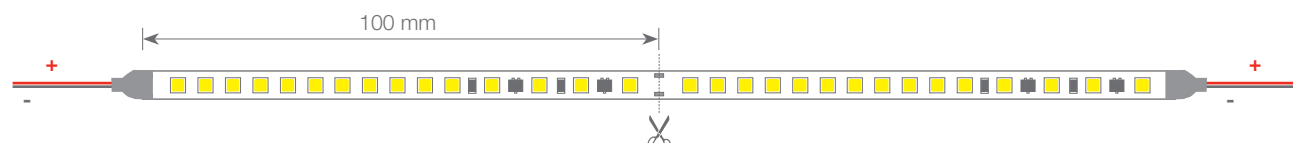
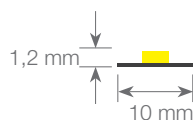
Vida útil: 50.000h*

*En función de la disipación del perfil, de las horas diarias trabajadas y de la temperatura externa ambiental de trabajo.



Potencia (W)	12.8W/m
Voltaje (V)	48V
Tipo Led	SMD2835
Lumens (6000°K)	1327 Lm/m
Lumens (4000°K)	1270 Lm/m
Lumens (2800°K)	1190 Lm/m
Emisión de luz	120°
Estanqueidad (IP)	IP20
Nº leds/m	150
Medidas	10000x10x1,2 mm
Cortable	cada 100 mm
PCB	10 mm
Temperatura trabajo	-20°C / +40°C
Apto para	Interior
Embalaje	1 rollo/10m
Garantía	3 años

Aprobado por: 

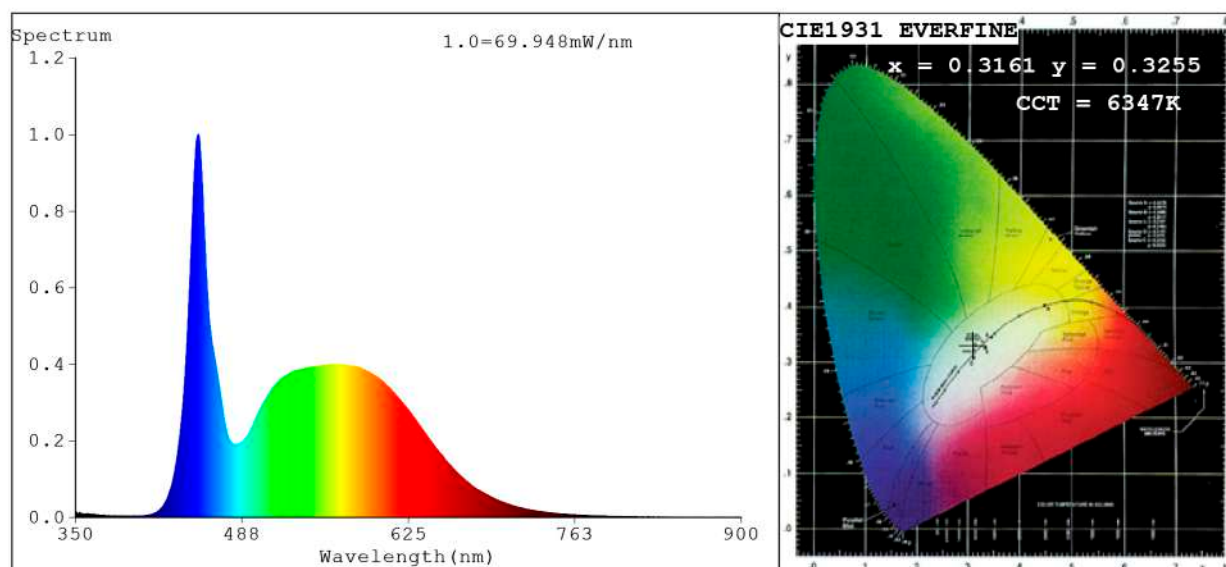


BARCELONA
C/ Carles Buigues, 13
08420 Canovelles
Info@luznegra.net
Tel: +34 938 402 598

MADRID
C/ Adaptación, 27
28906 Getafe
centro@luznegra.net
Tel: +34 916 416 081

PARIS
113 Avenue Joffre
77450 Esbly
france@luznegra.net
Tel: +33 (0) 160 426 585

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3161$ $y=0.3255$ $u'=0.2015$ $v'=0.4669$

$CCT=6347K$ ($Duv=-0.0003$) Dominant WL: $L_d = 485.7nm$ Purity=6.5%

Ratio: $R=14.2\%$ $G=80.4\%$ $B=5.5\%$; Peak WL: $L_p=451.9nm$ FWHM=18.2nm

Render Index: $R_a=84.9$ CRI=78.3 TM30: $R_f=81$ $R_g=96$

$R_1 = 85$ $R_2 = 89$ $R_3 = 90$ $R_4 = 86$ $R_5 = 85$ $R_6 = 83$ $R_7 = 89$

$R_8 = 74$ $R_9 = 22$ $R_{10} = 72$ $R_{11} = 85$ $R_{12} = 57$ $R_{13} = 86$ $R_{14} = 94$ $R_{15} = 82$

Photo Parameters:

Flux = 1828 lm Eff. : 145.49 lm/W $F_e = 5.997$ W Scotopic: 4050.8 S/P: 2.2157

Electrical parameters:

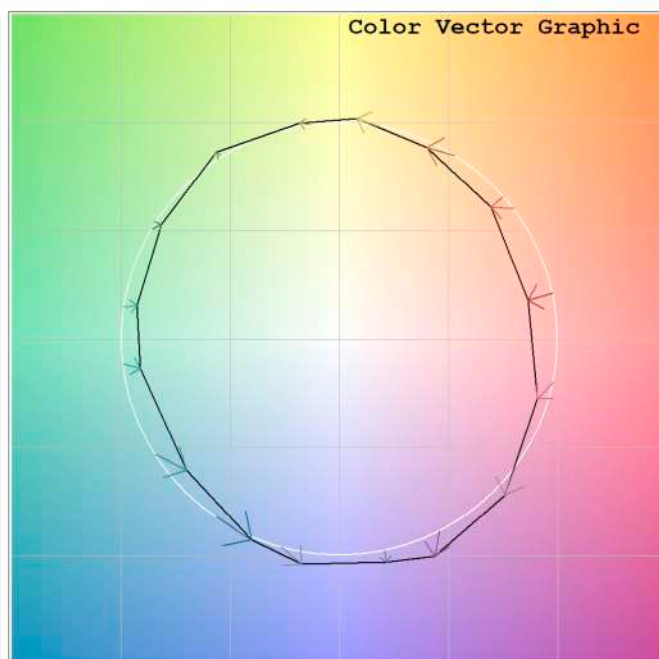
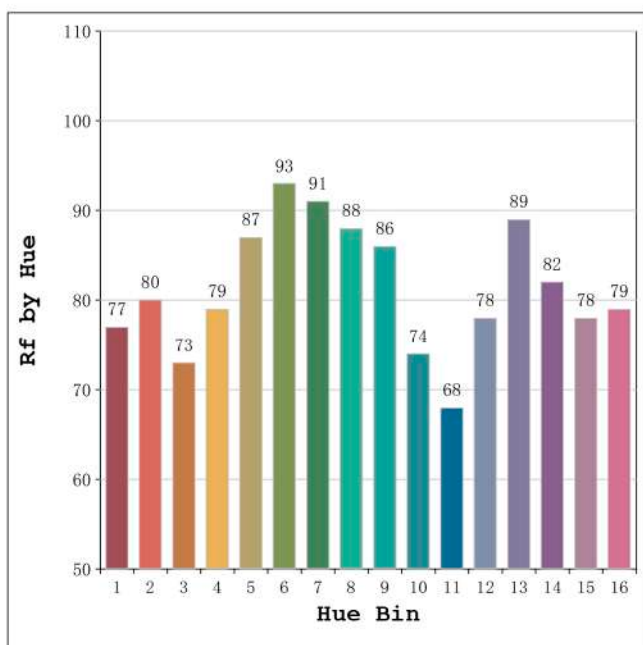
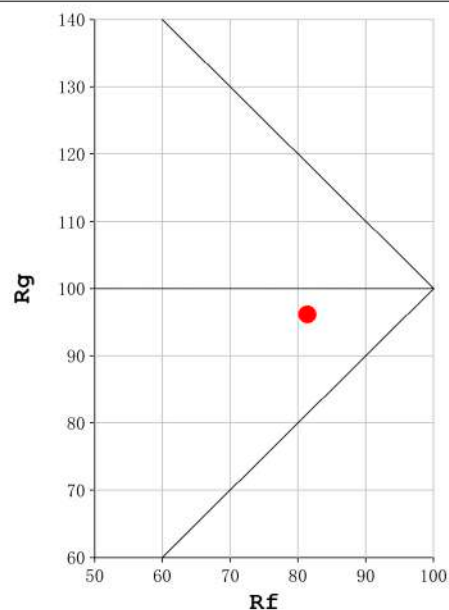
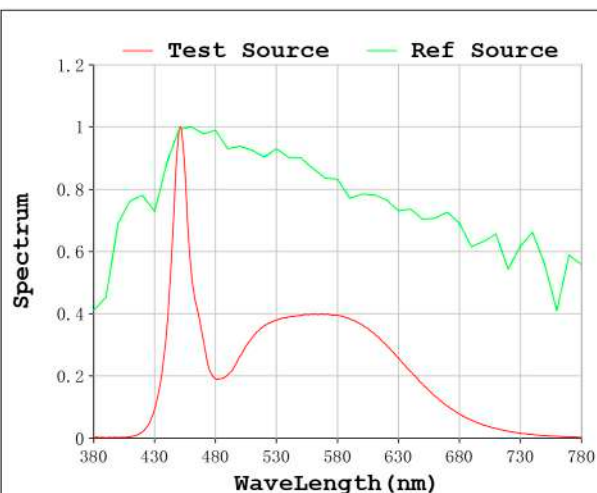
$V = 47.998$ V $I = 0.2618$ A $P = 12.57$ W PF = 1.000

WHITE: ANSI_6500K

Status: Integral T = 403 ms $I_p = 41490$ (63%)

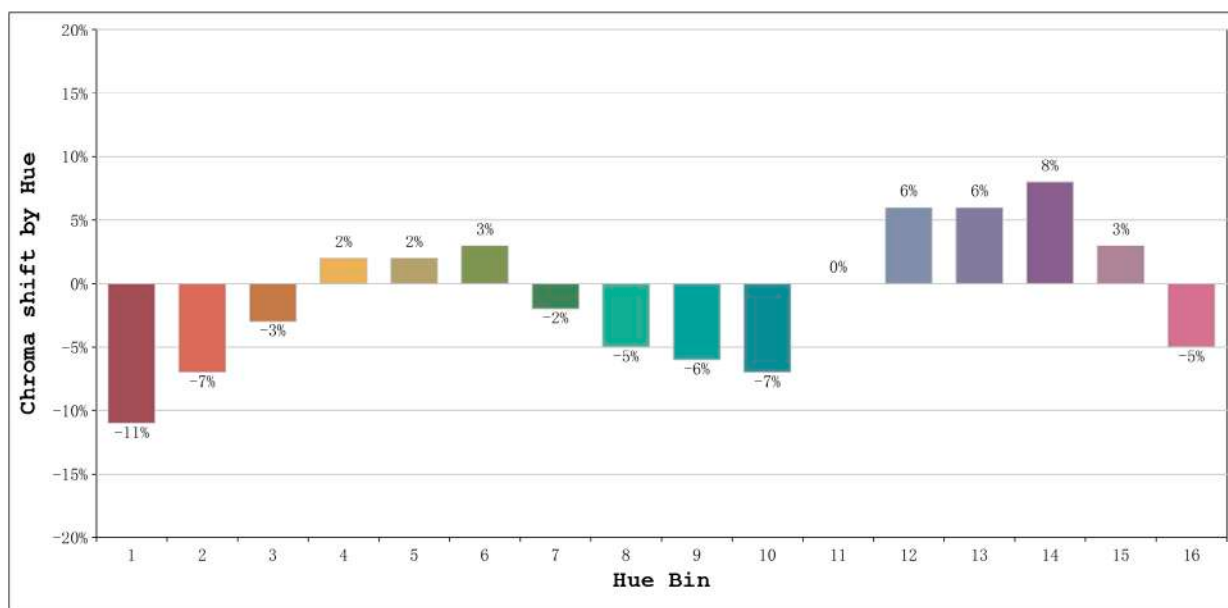
Model: Ecoled Castellon pro 6000K	Number: 33.036
Tester: Sergio Carneros	Date: 26-5-2021
Temperature: 25Deg	Humidity: 57%
Manufacturer: Luz Negra S.L	Remarks: 100cm de tria flexible

Rf: 81 CCT: 6347 K u': 0.2015
Rg: 96 Duv: -0.0003 v': 0.4669



Model:Ecoled Castellon pro 6000K
Tester:Sergio Carneros
Temperature:25Deg
Manufacturer:Luz Negra S.L

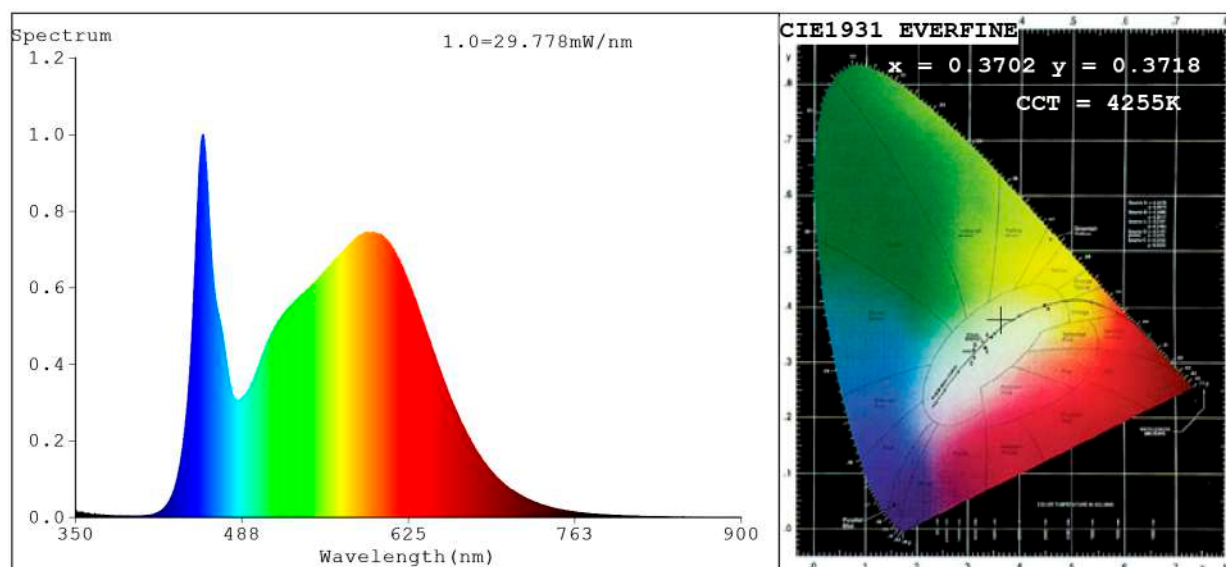
Number: 33.036
Date:26-5-2021
Humidity:57%
Remarks:100cm de tria flexible



			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0.0° - 22.5°	77	-11	0
2	22.5° - 45.0°	80	-7	6
3	45.0° - 67.5°	73	-3	13
4	67.5° - 90.0°	79	2	11
5	90.0° - 112.5°	87	2	5
6	112.5° - 135.0°	93	3	0
7	135.0° - 157.5°	91	-2	-3
8	157.5° - 180.0°	88	-5	-1
9	180.0° - 202.5°	86	-6	4
10	202.5° - 225.0°	74	-7	14
11	225.0° - 247.5°	68	0	19
12	247.5° - 270.0°	78	6	11
13	270.0° - 292.5°	89	6	0
14	292.5° - 315.0°	82	8	-7
15	315.0° - 337.5°	78	3	-13
16	337.5° - 360.0°	79	-5	-8

Model:Ecoled Castellon pro 6000K Number: 33.036
 Tester:Sergio Carneros Date:26-5-2021
 Temperature:25Deg Humidity:57%
 Manufacturer:Luz Negra S.L Remarks:100cm de tria flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3702$ $y=0.3718$ $u'=0.2203$ $v'=0.4979$

CCT=4255K (Duv=0.0008) Dominant WL:Ld =577.5nm Purity=22.7%

Ratio:R=17.9% G=77.6% B=4.4%; Peak WL:Lp=455.6nm FWHM=23.8nm

Render Index:Ra=85.3 CRI=79.4 TM30:Rf=82 Rg=94

R1 =85 R2 =93 R3 =96 R4 =82 R5 =84 R6 =89 R7 =86

R8 =68 R9 =20 R10=83 R11=81 R12=61 R13=87 R14=99 R15=79

Photo Parameters:

Flux = 1325 lm Eff. : 108.46 lm/W Fe = 4.112 W Scotopic:2418.6 S/P:1.8248

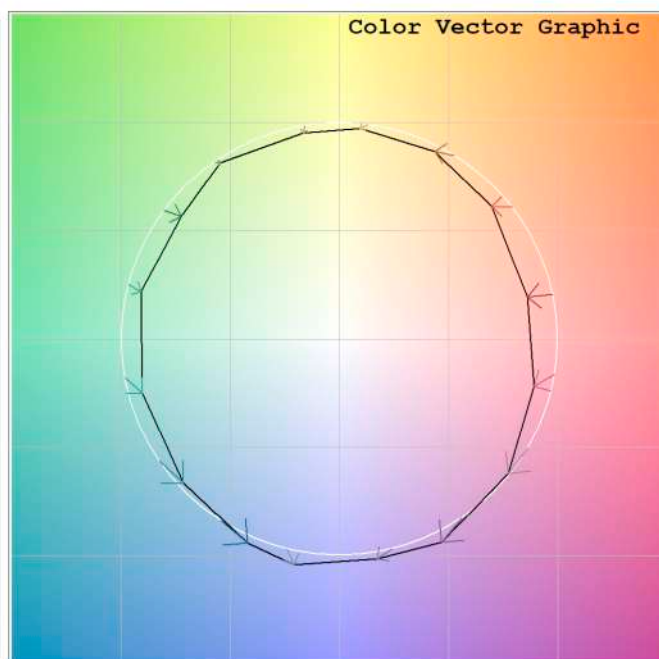
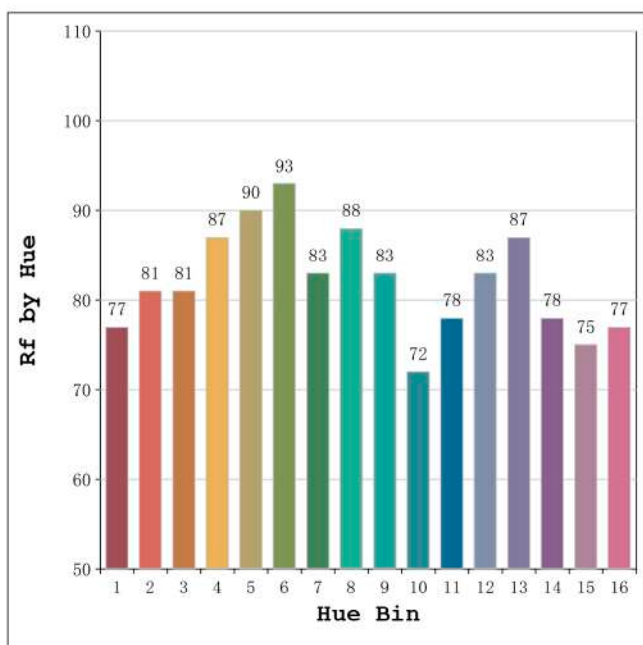
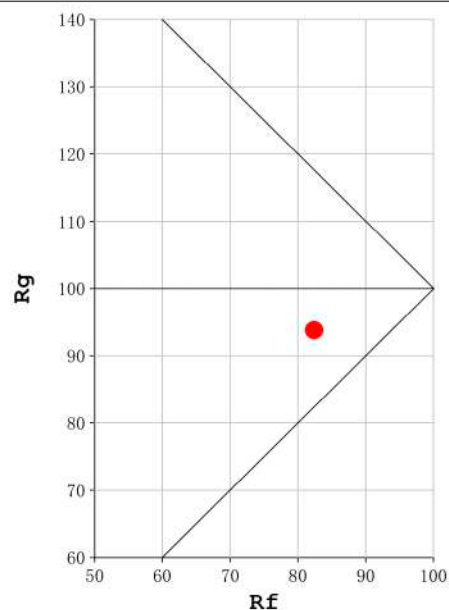
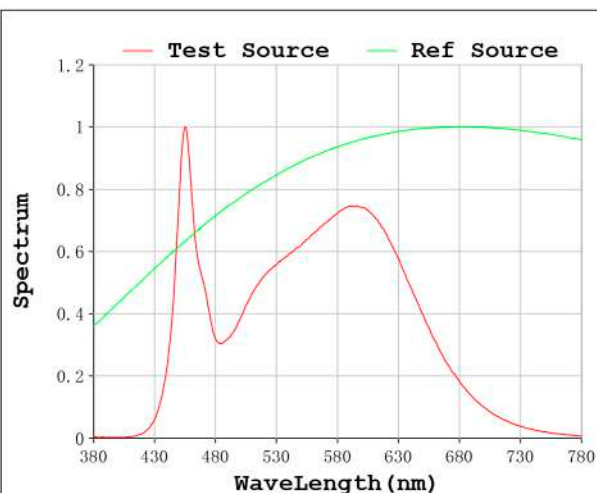
Electrical parameters:

V = 47.998 V I = 0.2546 A P = 12.22 W PF = 1.000

Status: Integral T = 847 ms Ip = 45232 (69%)

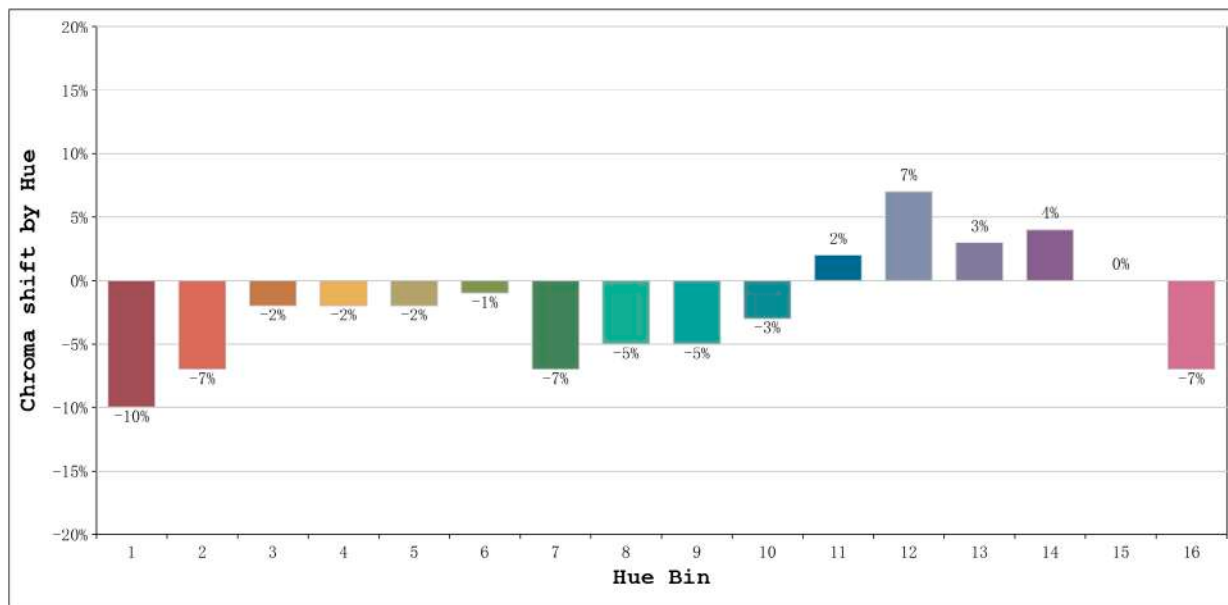
Model:Ecoled Castellón pro 4000K	Number: 33.037
Tester:Sergio Carneros	Date:26-5-2021
Temperature:25Deg	Humidity:57%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible

Rf: 82 CCT: 4255 K u': 0.2203
Rg: 94 Duv: 0.0008 v': 0.4979



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

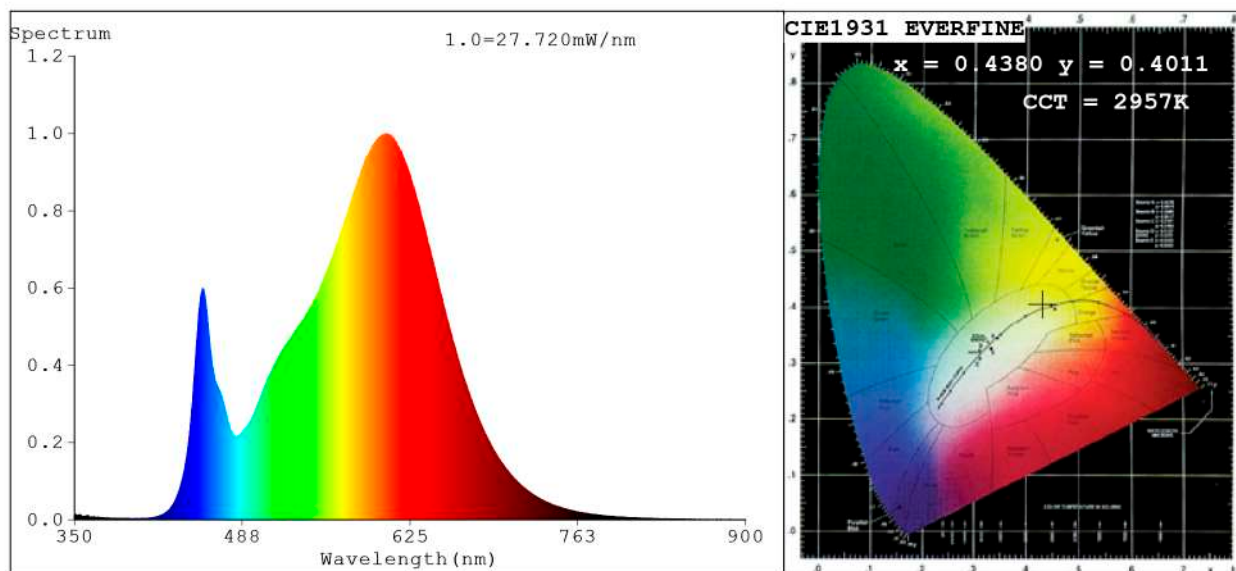
Number: 33.037
Date:26-5-2021
Humidity:57%
Remarks:100cm de tira flexible



			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0.0° - 22.5°	77	-10	1
2	22.5° - 45.0°	81	-7	5
3	45.0° - 67.5°	81	-2	8
4	67.5° - 90.0°	87	-2	3
5	90.0° - 112.5°	90	-2	1
6	112.5° - 135.0°	93	-1	-1
7	135.0° - 157.5°	83	-7	-1
8	157.5° - 180.0°	88	-5	2
9	180.0° - 202.5°	83	-5	8
10	202.5° - 225.0°	72	-3	14
11	225.0° - 247.5°	78	2	16
12	247.5° - 270.0°	83	7	4
13	270.0° - 292.5°	87	3	-7
14	292.5° - 315.0°	78	4	-13
15	315.0° - 337.5°	75	0	-14
16	337.5° - 360.0°	77	-7	-6

Model:Ecoled Castellón pro 4000K Number: 33.037
 Tester:Sergio Carneros Date:26-5-2021
 Temperature:25Deg Humidity:57%
 Manufacturer:Luz Negra S.L Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4380 y=0.4011/u'=0.2526 v'=0.5204

CCT=2957K (Duv=-0.0013) Dominant WL:Ld =583.5nm Purity=51.9%

Ratio:R=23.4% G=73.8% B=2.8%; Peak WL:Lp=605.2nm FWHM=123.6nm

Render Index:Ra=82.9 CRI=77.8 TM30:Rf=82 Rg=95

R1 =82 R2 =93 R3 =95 R4 =79 R5 =82 R6 =91 R7 =81

R8 =59 R9 =10 R10=83 R11=78 R12=71 R13=85 R14=98 R15=75

Photo Parameters:

Flux = 1332 lm Eff. : 106.49 lm/W Fe = 4.086 W Scotopic:1802 S/P:1.3533

Electrical parameters:

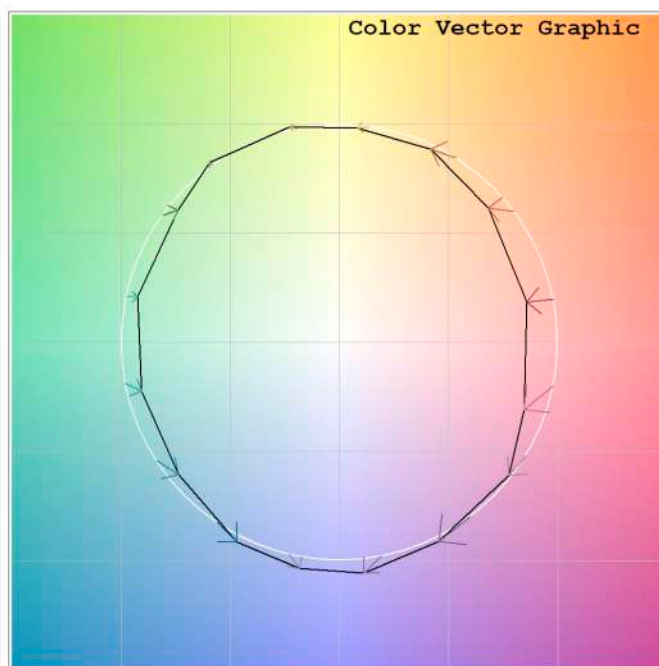
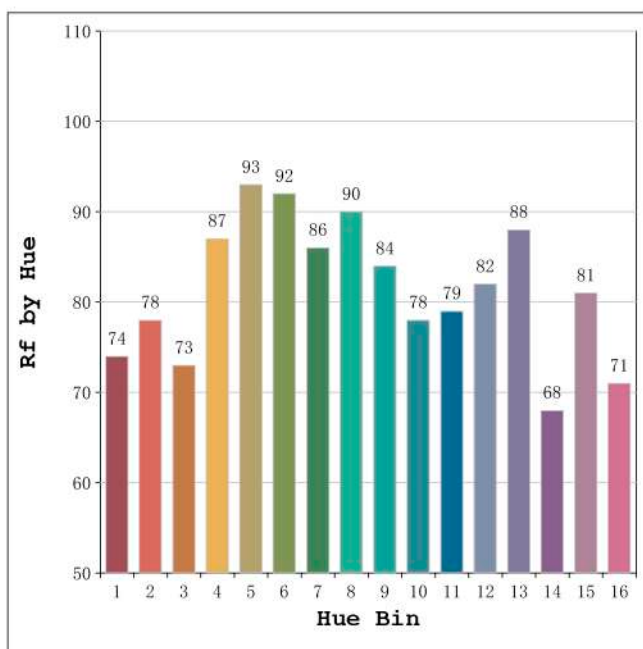
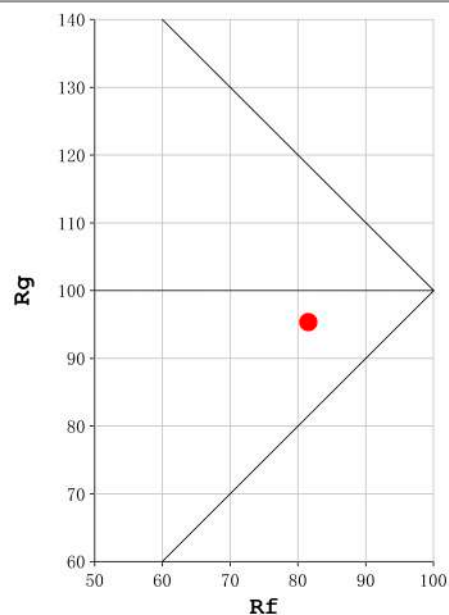
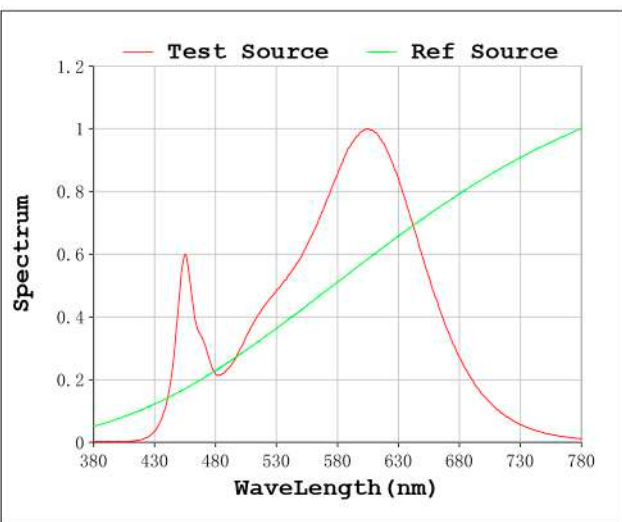
V = 47.998 V I = 0.2605 A P = 12.50 W PF = 1.000

Status: Integral T = 847 ms Ip = 48298 (74%)

Model:Ecoled Castellón 2800
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra S.L

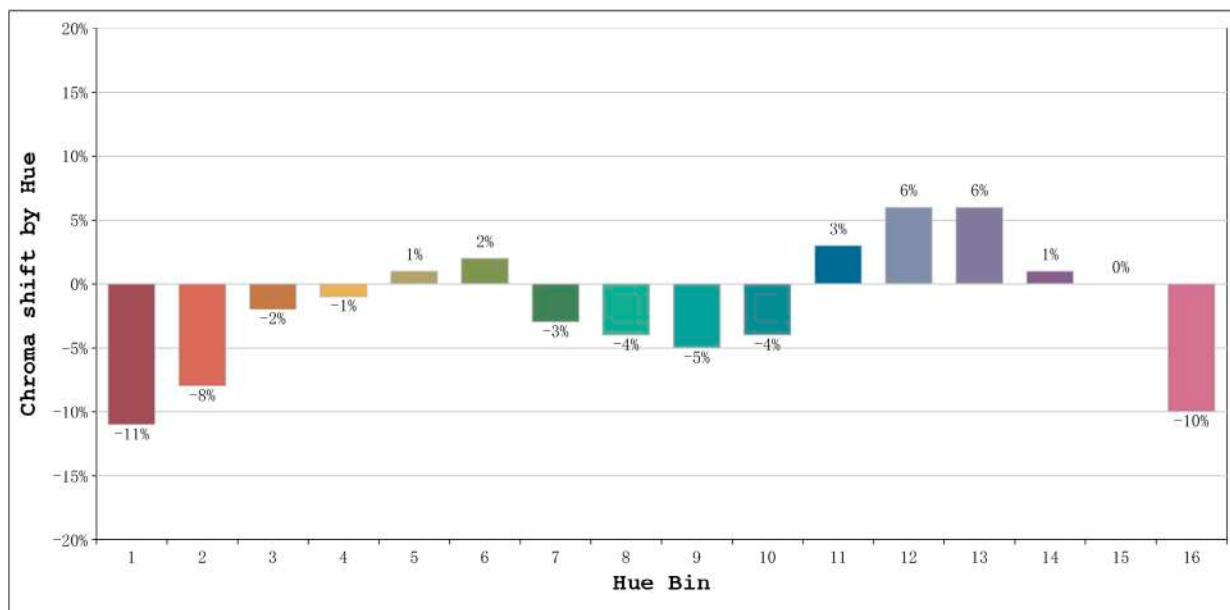
Number: 33.038
Date:25-5-2021
Humidity:57%
Remarks:100cm de tira flexible

Rf: 82 CCT: 2957 K u': 0.2526
Rg: 95 Duv: -0.0013 v': 0.5204



Model:Ecoled Castellón 2800
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra S.L

Number: 33.038
Date:25-5-2021
Humidity:57%
Remarks:100cm de tira flexible



Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	74	-11	1
2	22.5° - 45.0°	78	-8	7
3	45.0° - 67.5°	73	-2	12
4	67.5° - 90.0°	87	-1	5
5	90.0° - 112.5°	93	1	3
6	112.5° - 135.0°	92	2	-1
7	135.0° - 157.5°	86	-3	-5
8	157.5° - 180.0°	90	-4	0
9	180.0° - 202.5°	84	-5	5
10	202.5° - 225.0°	78	-4	11
11	225.0° - 247.5°	79	3	13
12	247.5° - 270.0°	82	6	6
13	270.0° - 292.5°	88	6	-8
14	292.5° - 315.0°	68	1	-17
15	315.0° - 337.5°	81	0	-11
16	337.5° - 360.0°	71	-10	-12

Model:Ecoled Castellón 2800
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra S.L

Number: 33.038
 Date:25-5-2021
 Humidity:57%
 Remarks:100cm de tira flexible