

MEDIUM BRIGHTNESS

Ref: 33.014 4200°K
 Ref: 33.015 3200°K
 Ref: 33.016 2850°K

Single-coloured "PREMIUM RETAIL" flexible strip
 IP20 with 196 leds/metre 3014SMD.
 Requires use with led profile to permit dissipation.

Heat dissipation tape included.

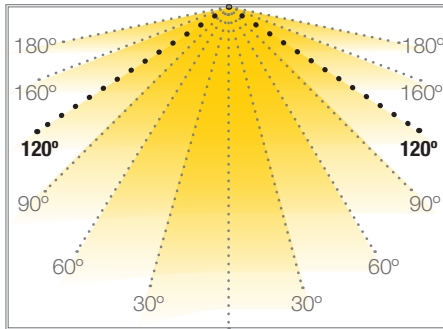
10mm PCB

Current stabiliser.

CRI>90

Daily recommended use: 18h
 Maximum connection in open circuit: 5m
 Maximum connection in closed circuit: 10m
 Estimated lifespan: 50000h *

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



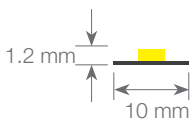
LANZAROTE

FLEXIBLE STRIP

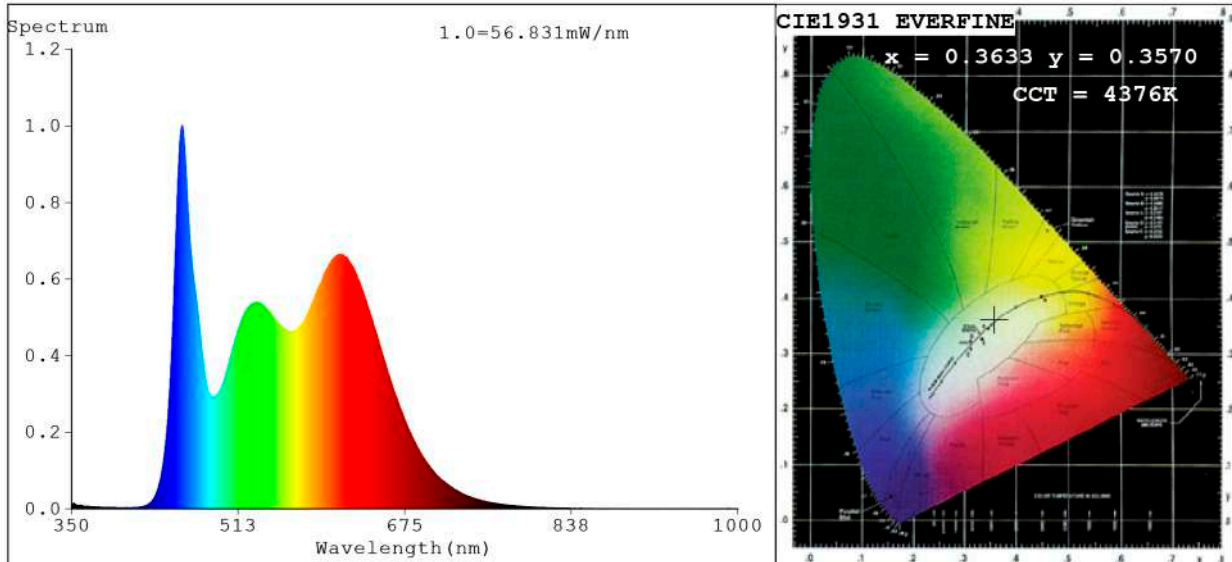


Power (W)	18W/m
Voltage (V)	24V
Led type	SMD3014
Lumens (4200°K)	2100 Lm/m
Lumens (3200°K)	2000 Lm/m
Lumens (2850°K)	1850 Lm/m
CRI	>90
Light emission	120°
Waterproofing	IP20
N° leds/m	196
Measurements	5000x10x1.2mm
Cuttable	every 35.7mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	4 years

Approved by: 



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3633$ $y=0.3570$ / $u'=0.2216$ $v'=0.4900$
 CCT=4376K (Duv=-0.0041) Dominant WL:Ld =581.0nm Purity=16.1%
 Ratio:R=20.5% G=74.2% B=5.2%; Peak WL:Lp=458.0nm FWHM=24.7nm
 Render Index:Ra=93.1 CRI=91.4 TM30:Rf=89 Rg=100
 R1 =94 R2 =95 R3 =98 R4 =95 R5 =94 R6 =91 R7 =90
 R8 =90 R9 =85 R10=92 R11=97 R12=69 R13=93 R14=99 R15=95

Photo Parameters:

Flux = 2127 lm Eff. : 117.52 lm/W Fe = 7.187 W Scotopic:4289.7 S/P:2.0172

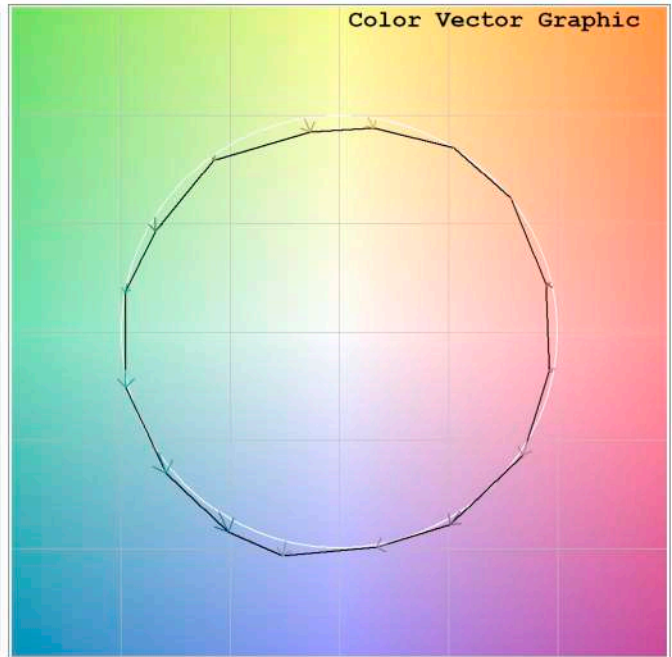
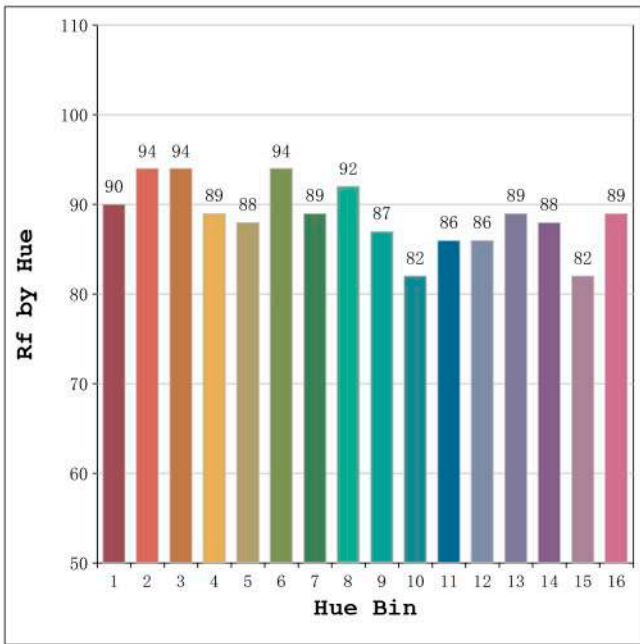
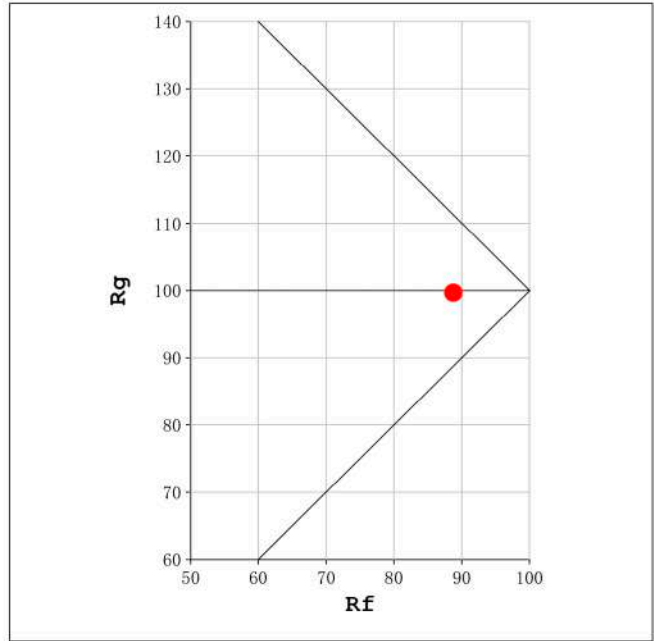
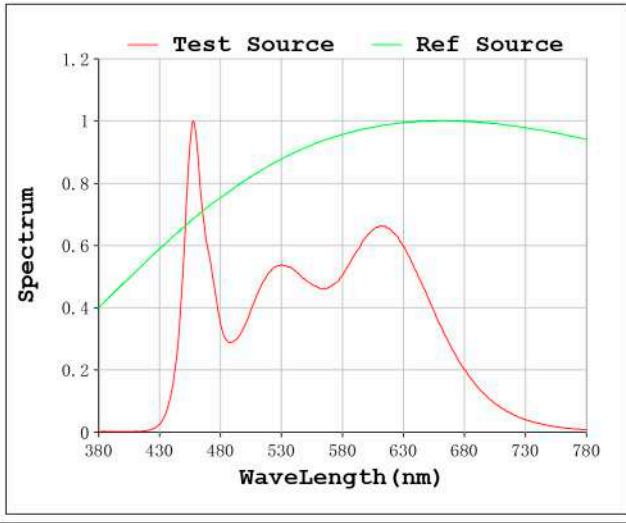
Electrical parameters:

V = 23.998 V I = 0.7540 A P = 18.09 W PF = 1.000

Status: Integral T = 500 ms Ip = 47964 (73%)

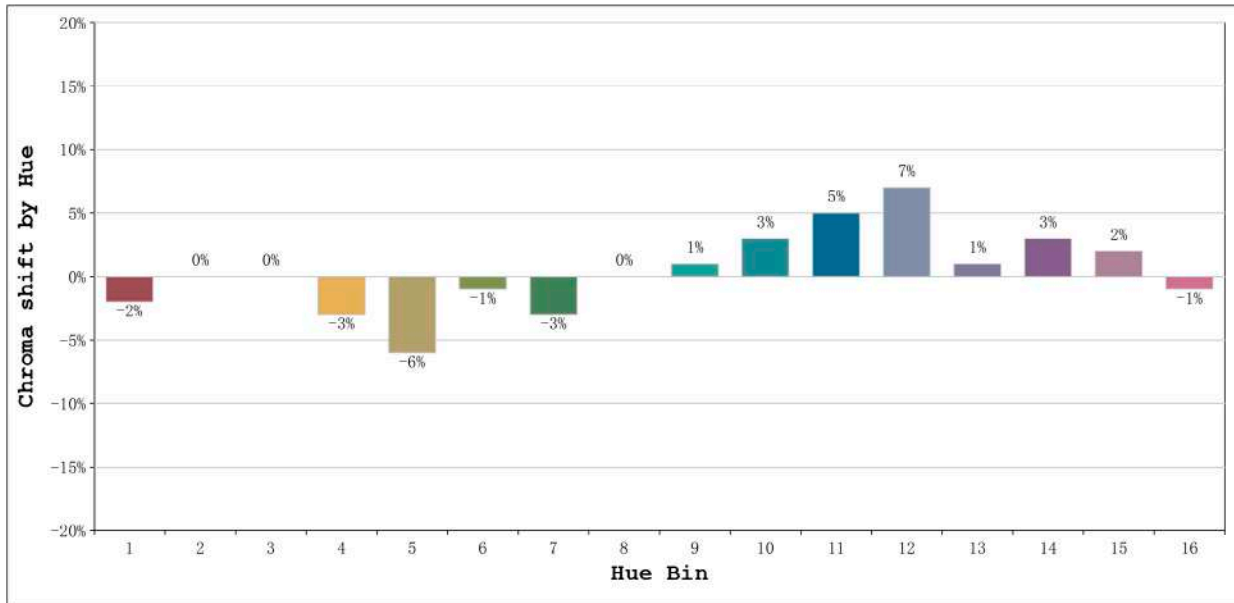
Model:Ecoled Lanzarote 4200K	Number: 33.014
Tester:Sergio Carneros	Date:25-5-2021
Temperature:20Deg	Humidity:57%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible

Rf: 89 CCT: 4376 K u': 0.2216
Rg: 100 Duv: -0.0041 v': 0.4900



Model:Ecoled Lanzarote 4200K
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra S.L

Number: 33.014
Date:25-5-2021
Humidity:57%
Remarks:100cm de tira flexible

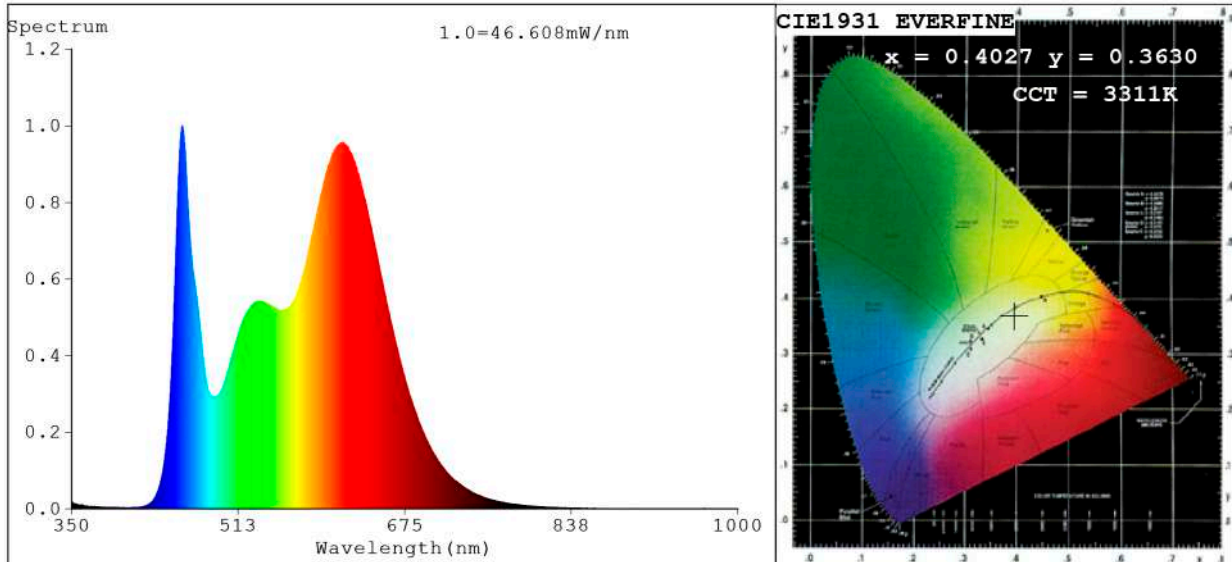


Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	90	-2	2
2	22.5° - 45.0°	94	0	1
3	45.0° - 67.5°	94	0	0
4	67.5° - 90.0°	89	-3	-3
5	90.0° - 112.5°	88	-6	0
6	112.5° - 135.0°	94	-1	2
7	135.0° - 157.5°	89	-3	5
8	157.5° - 180.0°	92	0	5
9	180.0° - 202.5°	87	1	8
10	202.5° - 225.0°	82	3	10
11	225.0° - 247.5°	86	5	9
12	247.5° - 270.0°	86	7	0
13	270.0° - 292.5°	89	1	-6
14	292.5° - 315.0°	88	3	-6
15	315.0° - 337.5°	82	2	-5
16	337.5° - 360.0°	89	-1	0

Model:Ecoled Lanzarote 4200K
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra S.L

Number: 33.014
 Date:25-5-2021
 Humidity:57%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4027$ $y=0.3630$ / $u'=0.2459$ $v'=0.4987$
 CCT=3311K(Duv=-0.0121) Dominant WL:Ld =588.5nm Purity=29.7%
 Ratio:R=24.9% G=70.7% B=4.4%;;Peak WL:Lp=458.0nm FWHM=24.7nm
 Render Index:Ra=89.5 CRI=87.6 TM30:Rf=89 Rg=103
 R1 =93 R2 =90 R3 =90 R4 =97 R5 =92 R6 =83 R7 =86
 R8 =85 R9 =75 R10=83 R11=94 R12=71 R13=91 R14=97 R15=97

Photo Parameters:

Flux = 2072 lm Eff. : 114.60 lm/W Fe = 7.139 W Scotopic:3571.7 S/P:1.7238

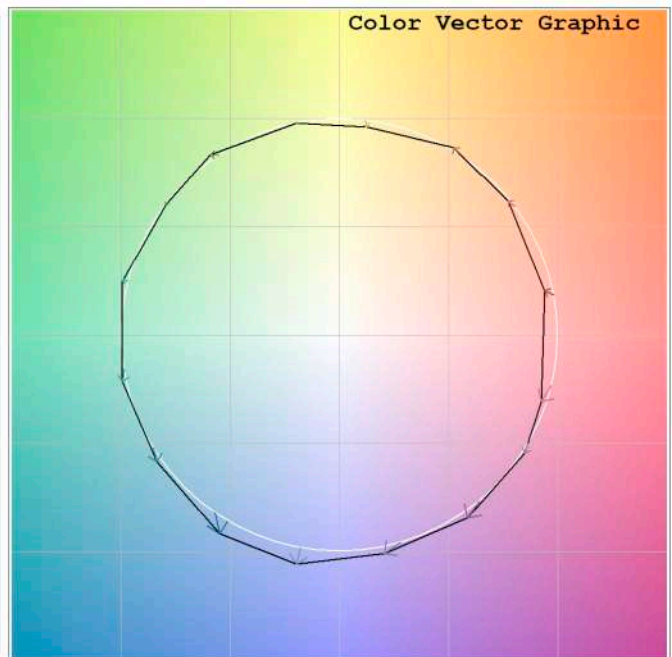
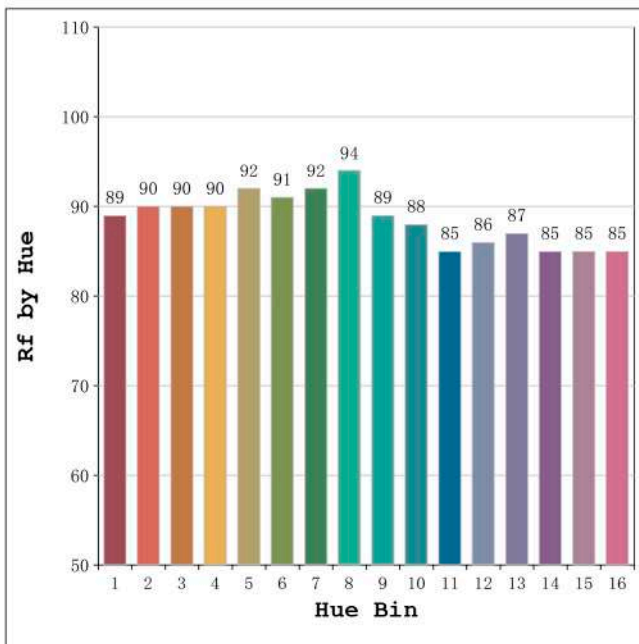
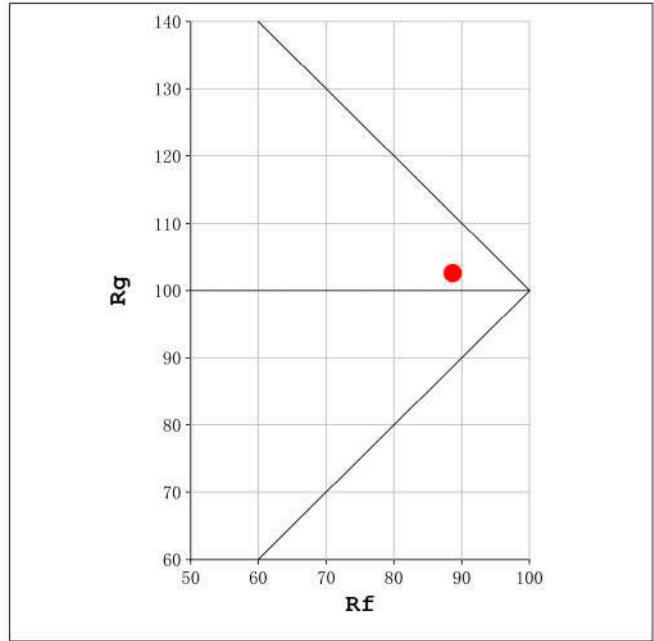
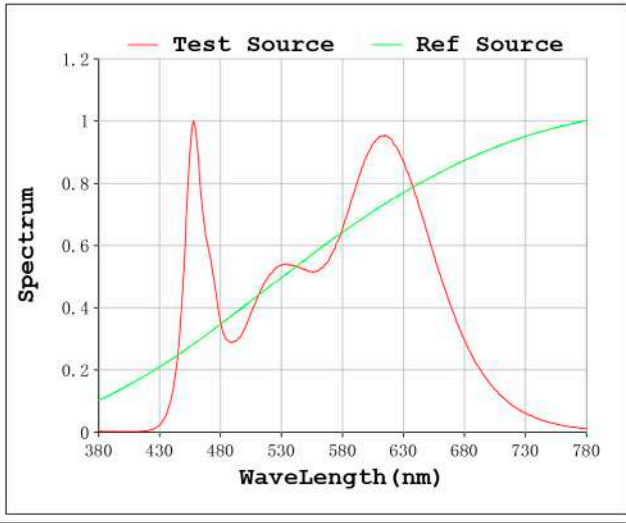
Electrical parameters:

V = 23.998 V I = 0.7534 A P = 18.08 W PF = 1.000

Status: Integral T = 480 ms Ip = 38780 (59%)

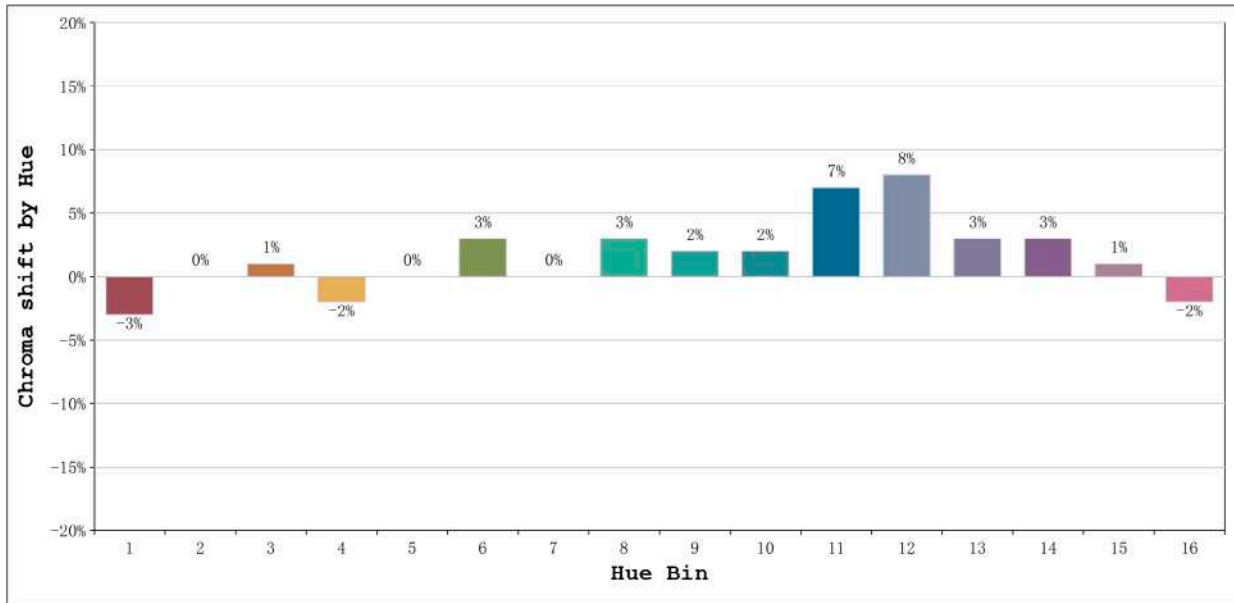
Model:Ecoled Lanzarote 3200K	Number: 33.015
Tester:Sergio Carneros	Date:25-5-2021
Temperature:25Deg	Humidity:57%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible

Rf: 89 CCT: 3311 K u': 0.2459
Rg: 103 Duv: -0.0121 v': 0.4987



Model:Ecoled Lanzarote 3200K
Tester:Sergio Carneros
Temperature:25Deg
Manufacturer:Luz Negra S.L

Number: 33.015
Date:25-5-2021
Humidity:57%
Remarks:100cm de tira flexible

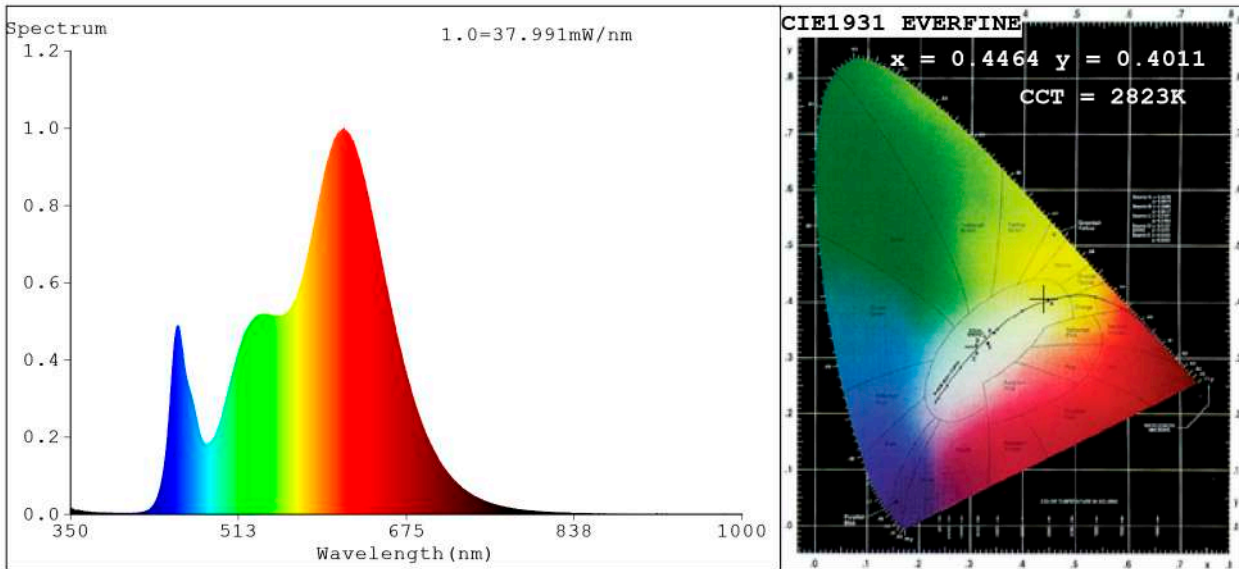


Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	89	-3	3
2	22.5° - 45.0°	90	0	4
3	45.0° - 67.5°	90	1	4
4	67.5° - 90.0°	90	-2	0
5	90.0° - 112.5°	92	0	1
6	112.5° - 135.0°	91	3	3
7	135.0° - 157.5°	92	0	1
8	157.5° - 180.0°	94	3	0
9	180.0° - 202.5°	89	2	6
10	202.5° - 225.0°	88	2	6
11	225.0° - 247.5°	85	7	7
12	247.5° - 270.0°	86	8	0
13	270.0° - 292.5°	87	3	-7
14	292.5° - 315.0°	85	3	-8
15	315.0° - 337.5°	85	1	-3
16	337.5° - 360.0°	85	-2	-7

Model:Ecoled Lanzarote 3200K
 Tester:Sergio Carneros
 Temperature:25Deg
 Manufacturer:Luz Negra S.L

Number: 33.015
 Date:25-5-2021
 Humidity:57%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4464$ $y=0.4011$ / $u'=0.2580$ $v'=0.5216$
 CCT=2823K (Duv=-0.0023) Dominant WL:Ld =584.4nm Purity=54.4%
 Ratio:R=26.4% G=71.0% B=2.6%; Peak WL:Lp=614.8nm FWHM=137.6nm
 Render Index:Ra=93.0 CRI=90.5 TM30:Rf=90 Rg=100
 R1 =96 R2 =99 R3 =97 R4 =96 R5 =97 R6 =94 R7 =88
 R8 =76 R9 =48 R10=98 R11=97 R12=84 R13=98 R14=99 R15=89

Photo Parameters:

Flux = 1666 lm Eff. : 94.38 lm/W Fe = 5.431 W Scotopic:2298.9 S/P:1.3802

Electrical parameters:

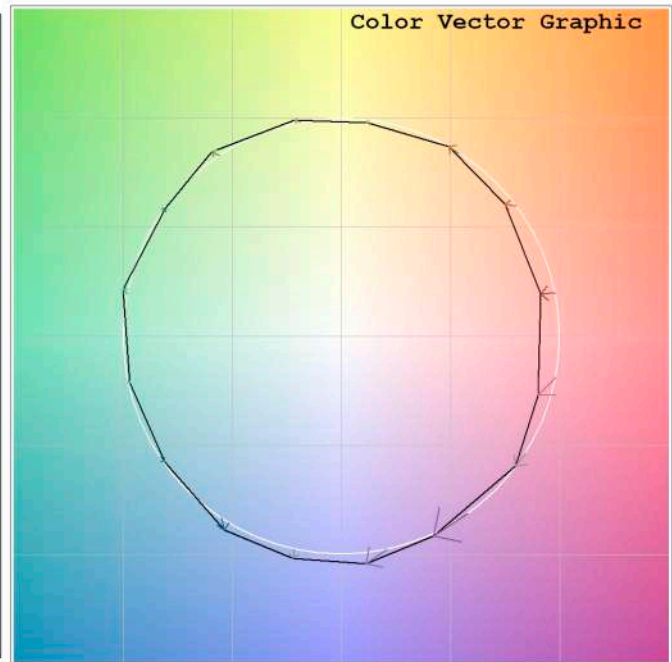
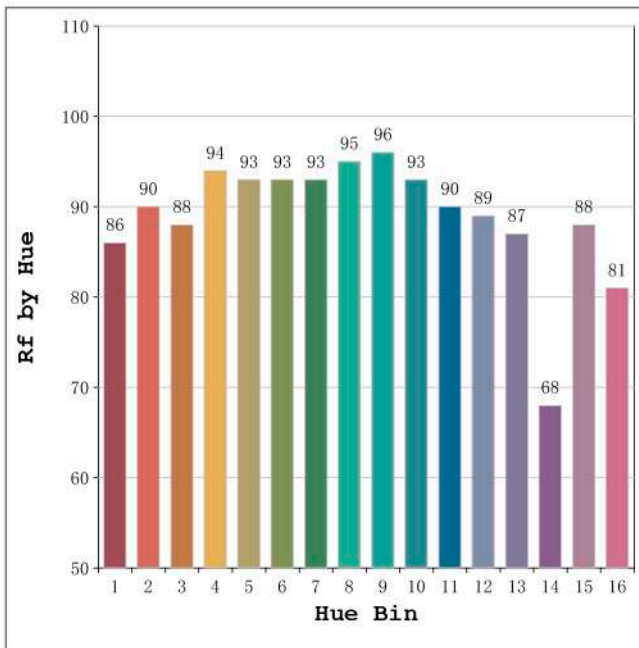
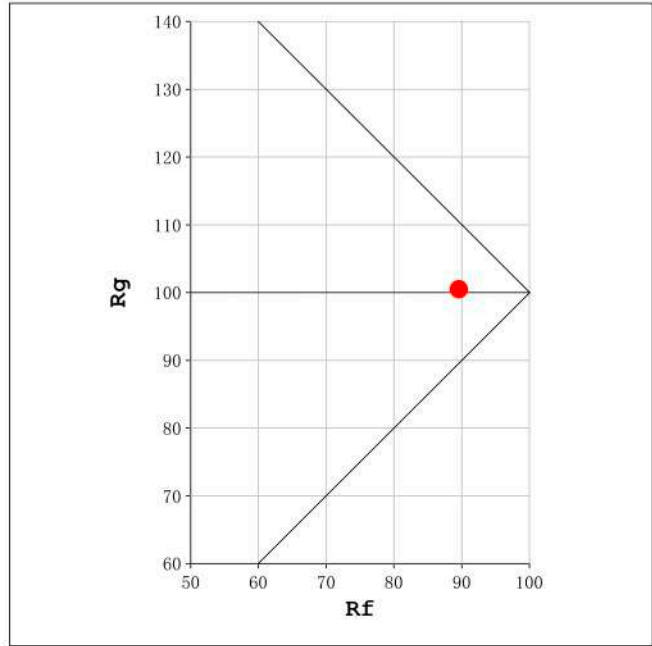
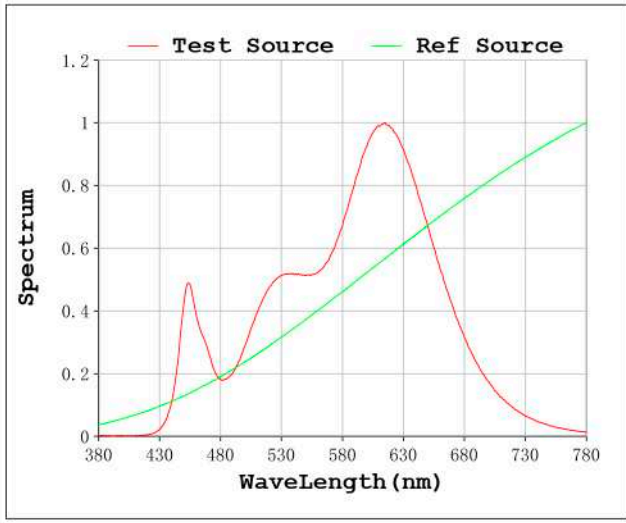
V = 23.998 V I = 0.7354 A P = 17.65 W PF = 1.000

WHITE:ANSI_2700K

Status: Integral T = 539 ms Ip = 42931 (66%)

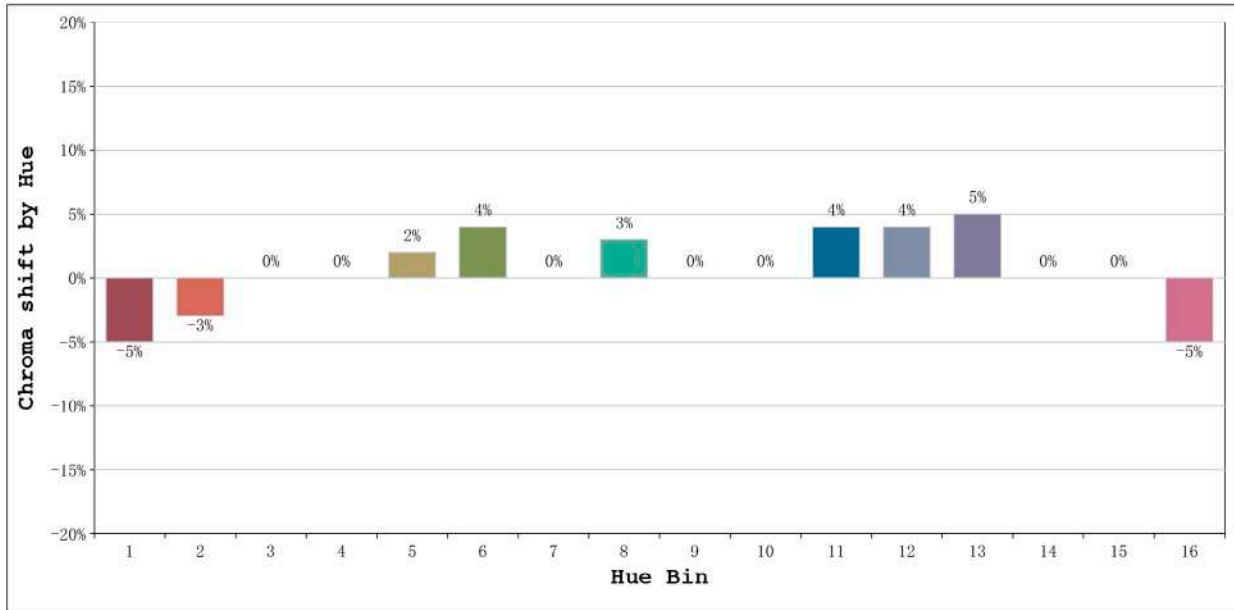
Model:Ecoled Lanzarote 2850K	Number: 33.016
Tester:Sergio Carneros	Date:25-5-2021
Temperature:25Deg	Humidity:57%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible

Rf: 90 CCT: 2823 K u': 0.2580
Rg: 100 Duv: -0.0023 v': 0.5216



Model:Ecoled Lanzarote 2850K
Tester:Sergio Carneros
Temperature:25Deg
Manufacturer:Luz Negra S.L

Number: 33.016
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°	86	-5	1
2	22.5° - 45.0°	90	-3	4
3	45.0° - 67.5°	88	0	5
4	67.5° - 90.0°	94	0	1
5	90.0° - 112.5°	93	2	3
6	112.5° - 135.0°	93	4	2
7	135.0° - 157.5°	93	0	-1
8	157.5° - 180.0°	95	3	-1
9	180.0° - 202.5°	96	0	1
10	202.5° - 225.0°	93	0	3
11	225.0° - 247.5°	90	4	4
12	247.5° - 270.0°	89	4	0
13	270.0° - 292.5°	87	5	-10
14	292.5° - 315.0°	68	0	-18
15	315.0° - 337.5°	88	0	-6
16	337.5° - 360.0°	81	-5	-9

Model:Ecoled Lanzarote 2850K
Tester:Sergio Carneros
Temperature:25Deg
Manufacturer:Luz Negra S.L

Number: 33.016
Date:25-5-2021
Humidity:57%
Remarks:100cm de tira flexible