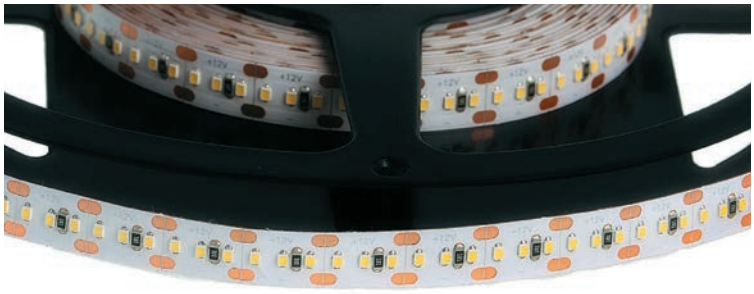
HIGH BRIGHTNESS | BARCELONA | FLEXIBLE STRIP

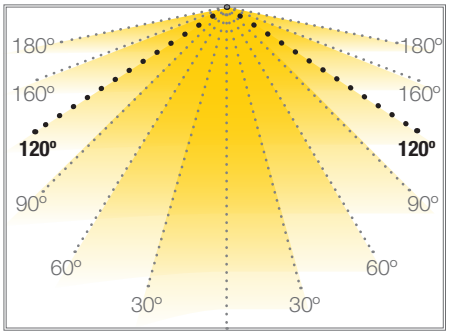
Ref: 32.001 **6500K**
Ref: 32.003 **3000K**

Single-coloured "**PRO**" flexible strip
IP20 with 240 leds/metre 2216SMD.
Requires use with led profile to permit dissipation.
Heat dissipation tape included.
10mm PCB

Daily recommended use: 18h
Maximum connection in open circuit: 3m
Maximum connection in closed circuit: 6m
Estimated lifespan: 50000h *

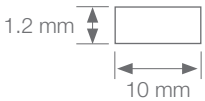
* Depending on the dissipation of the profile, the daily working hours and the external environmental working temperature

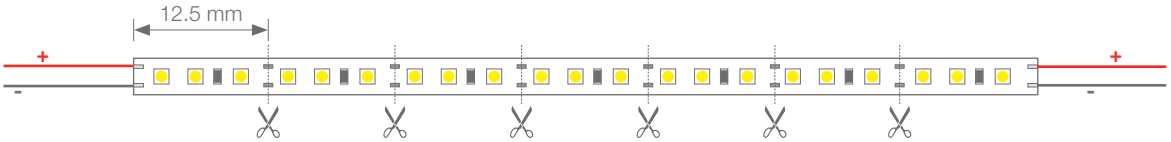




Power (W)	19.2W/m
Voltage (V)	12V
Led type	SMD2216
Lumens (6500ºK)	1600 Lm/m
Lumens (3000ºK)	1200 Lm/m
CRI	>85
Light emission	120º
Waterproofing	IP20
Nº leds/m	240
Measurements	5000x10x1.2mm
Cuttable	every 12.5mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Aprobado por: CE RoHS COMPLIANT



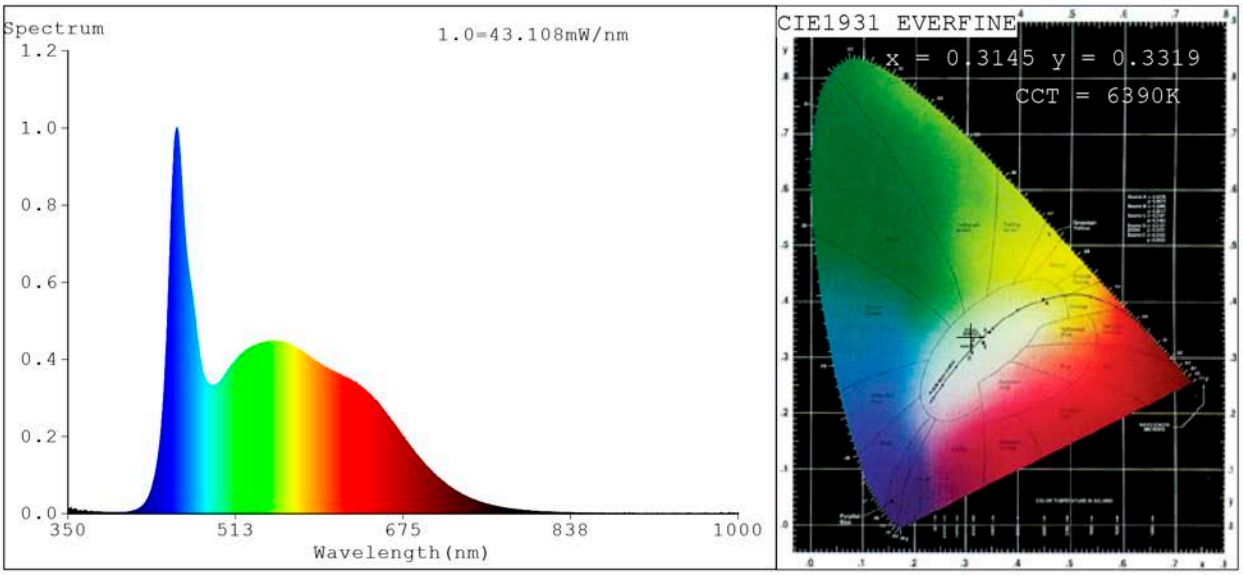


BARCELONA
C/ Carles Buhigues, 13
08420 Canovelles
Info@luznegra.net
Tel: +34 938 402 598

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=0.3145 y=0.3319/u'=0.1980 v'=0.4701

CCT=6390K(Duv=0.0038) Dominant WL:Ld =490.7nm Purity=6.5%

Ratio:R=14.8% G=78.2% B=7.0%¡¡Peak WL:Lp=455.7nm FWHM=27.0nm

Render Index:Ra=91.4 CRI=88.3 TM30:Rf=87 Rg=96

R1 =92	R2 =98	R3 =97	R4 =86	R5 =89	R6 =93	R7 =91	
R8 =86	R9 =68	R10=93	R11=87	R12=63	R13=95	R14=99	R15=90

Photo Parameters:

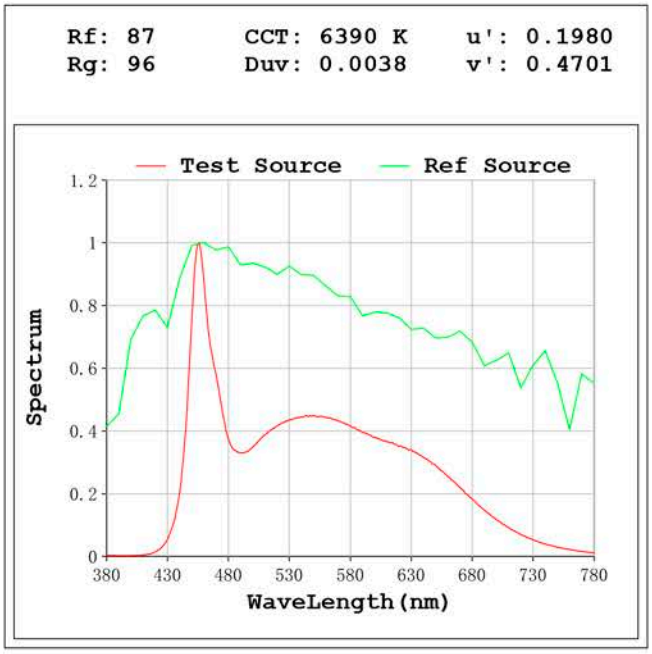
Flux = 1286 lm Eff. : 77.30 lm/W Fe = 4.603 W Scotopic:3077.6 S/P:2.3933

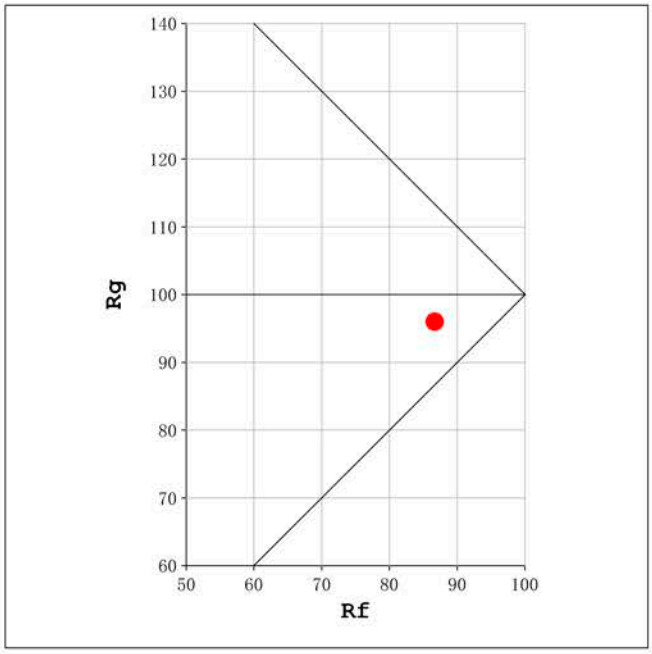
Electrical parameters:

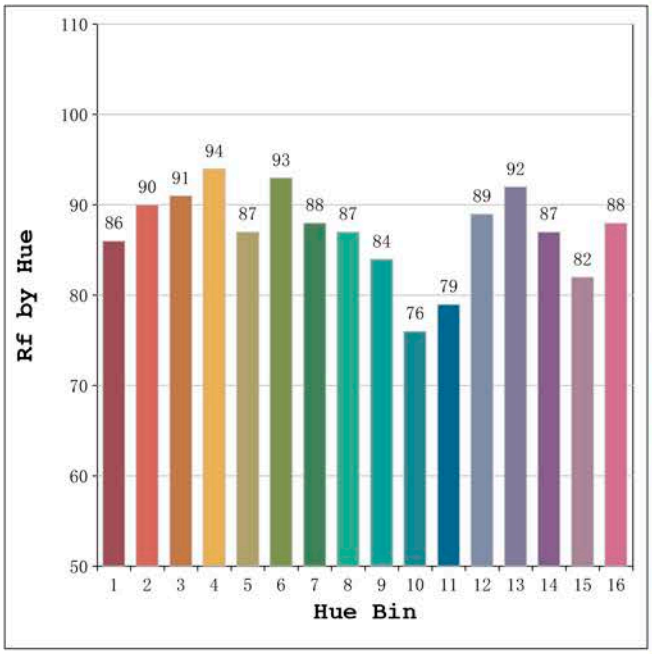
V = 11.998 V I = 1.387 A P = 18.64 W PF = 1.000

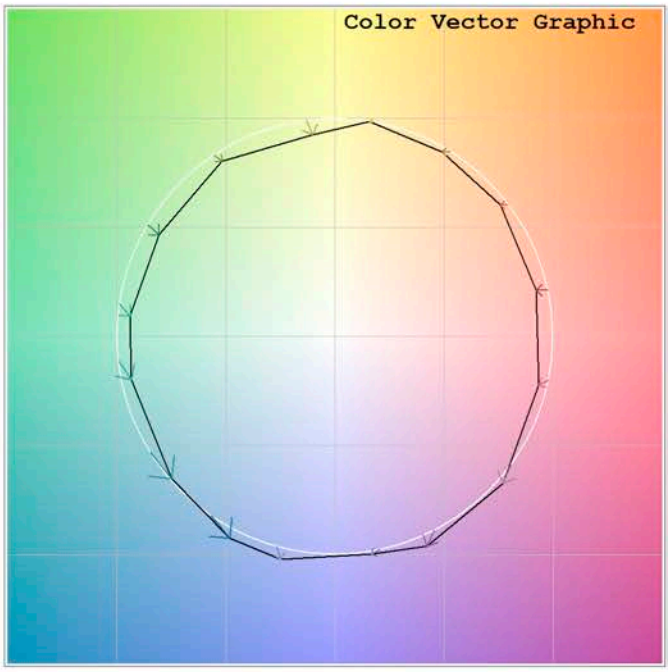
Status: Integral T = 453 ms Ip = 33446 (51%)

Model:Ecoled Barcelona 6500	Number:32.001
Tester:Sergio Carneros	Date:25-5-2021
Temperature:21Deg	Humidity:58%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible









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Manufacturer:Luz Negra S.L

Number:32.001
Date:25-5-2021
Humidity:58%
Remarks:100cm de tira flexible

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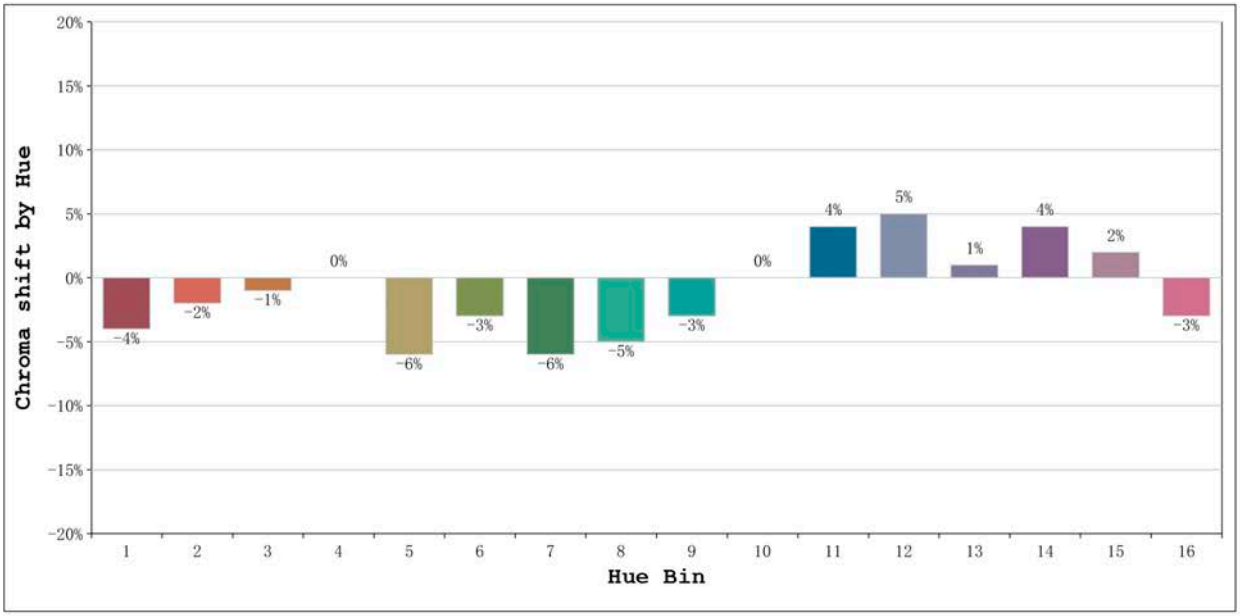

			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0.0° - 22.5°	86	-4	1
2	22.5° - 45.0°	90	-2	2
3	45.0° - 67.5°	91	-1	3
4	67.5° - 90.0°	94	0	2
5	90.0° - 112.5°	87	-6	0
6	112.5° - 135.0°	93	-3	0
7	135.0° - 157.5°	88	-6	1
8	157.5° - 180.0°	87	-5	4
9	180.0° - 202.5°	84	-3	9
10	202.5° - 225.0°	76	0	15
11	225.0° - 247.5°	79	4	13
12	247.5° - 270.0°	89	5	3
13	270.0° - 292.5°	92	1	-3
14	292.5° - 315.0°	87	4	-6
15	315.0° - 337.5°	82	2	-8
16	337.5° - 360.0°	88	-3	-2

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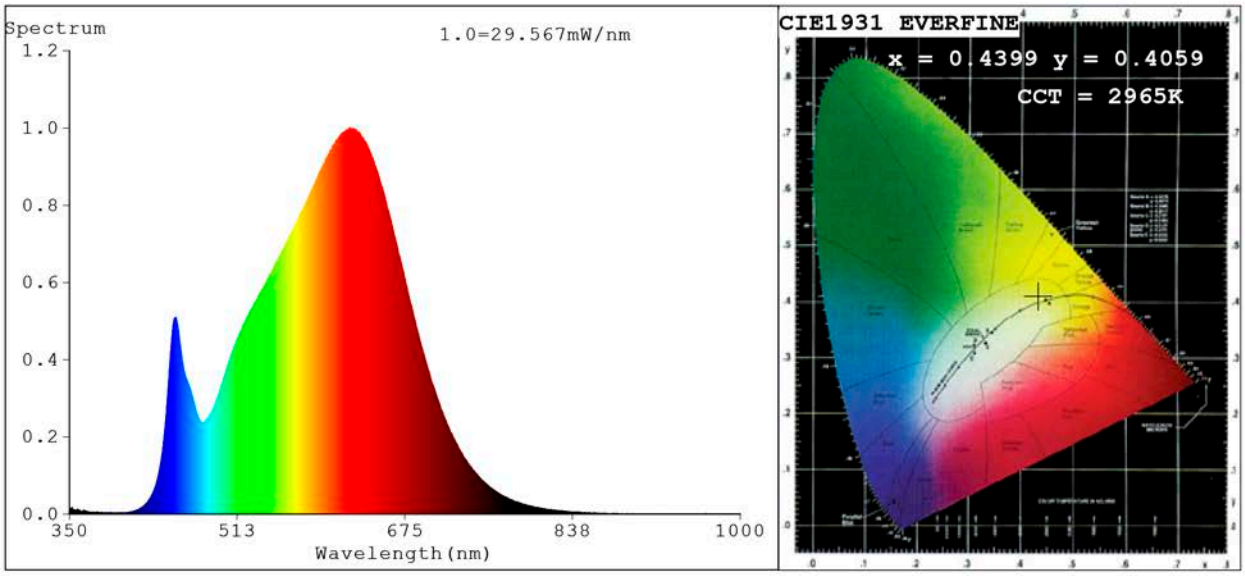


Color Parameters:

Chromaticity Coordinate:x=0.4399 y=0.4059/u'=0.2517 v'=0.5225

CCT=2965K(Duv=0.0003) Dominant WL:Ld =582.9nm Purity=53.9%

Ratio:R=24.3% G=72.9% B=2.8%¡¡Peak WL:Lp=621.4nm FWHM=164.4nm

Render Index:Ra=92.1 CRI=89.0 TM30:Rf=90 Rg=99

R1 =92	R2 =96	R3 =98	R4 =91	R5 =91	R6 =94	R7 =92	
R8 =82	R9 =60	R10=89	R11=91	R12=78	R13=93	R14=98	R15=88

Photo Parameters:

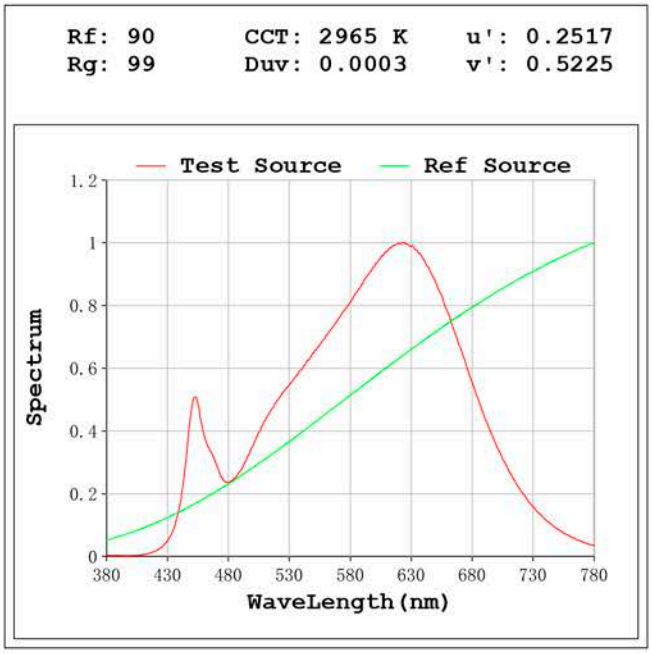
Flux = 1486 lm Eff. : 85.70 lm/W Fe = 5.231 W Scotopic:2068.1 S/P:1.3916

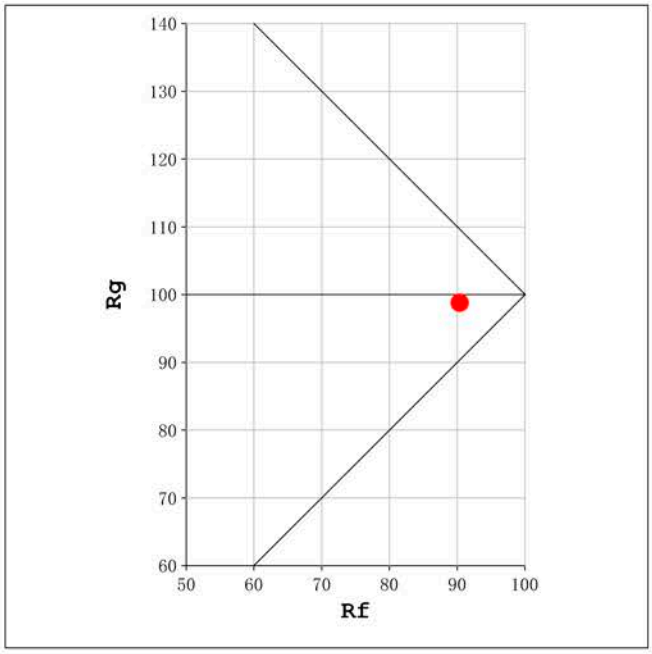
Electrical parameters:

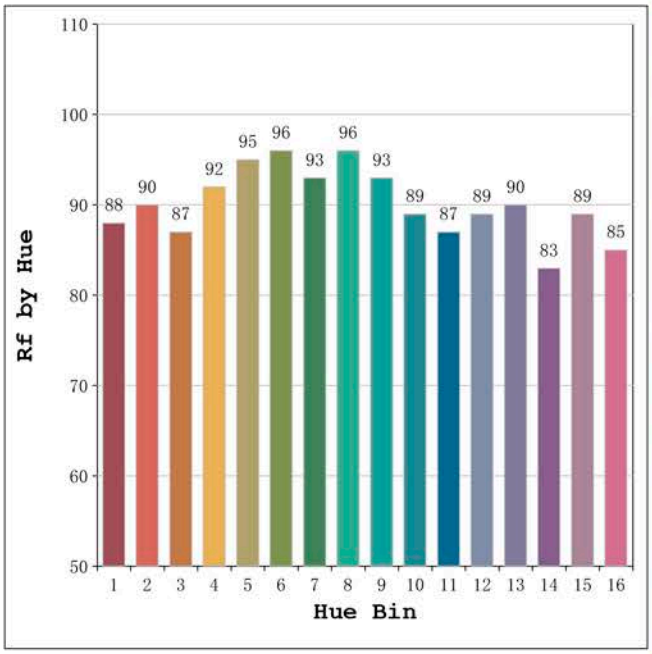
V = 11.998 V I = 1.445 A P = 17.34 W PF = 1.000

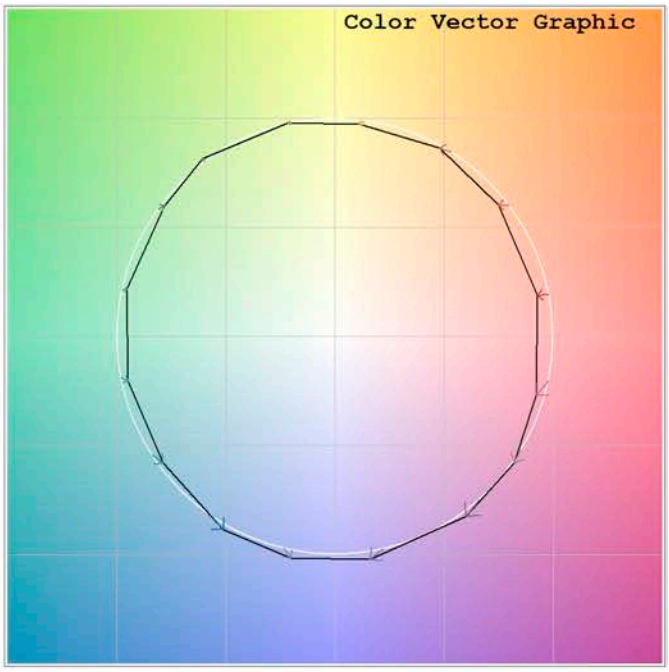
Status: Integral T = 789 ms Ip = 39510 (60%)

Model:Ecoled Barcelona 3000K	Number: 32.003
Tester:Sergio Carneros	Date:25-5-2021
Temperature:17Deg	Humidity:70.0%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible









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Tester:Sergio Carneros
Temperature:17Deg
Manufacturer:Luz Negra S.L

Number: 32.003
Date:25-5-2021
Humidity:70.0%
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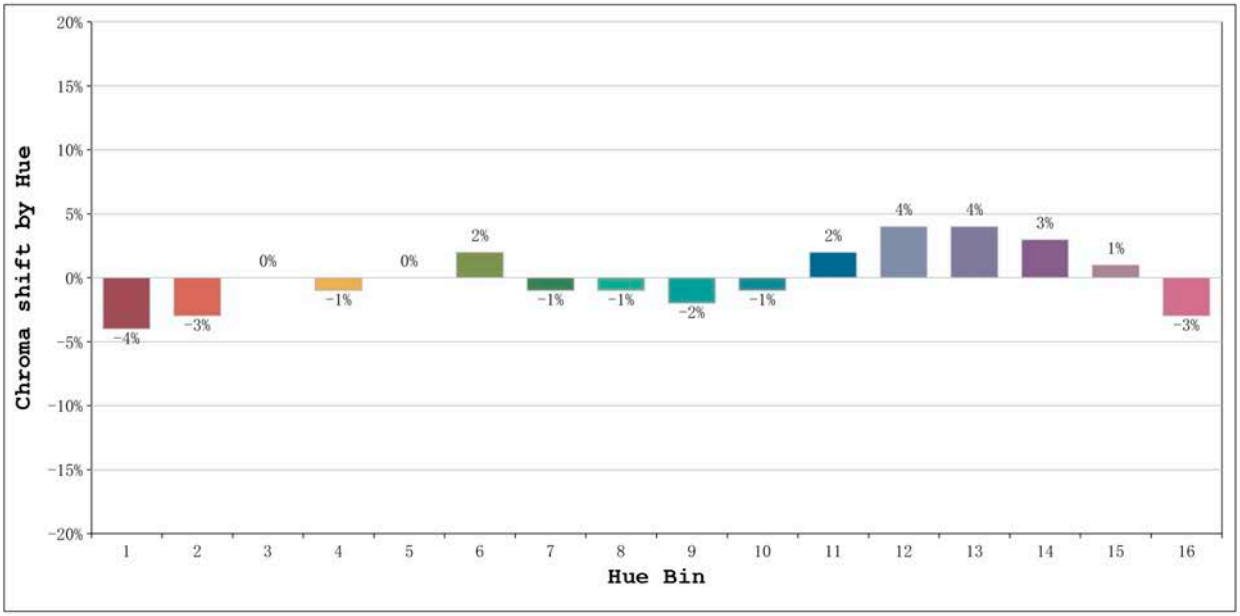

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