

MEDIUM BRIGHTNESS

CIES

FLEXIBLE STRIP

Ref: 32.004
Ref: 32.007

6000°K
Red

Single-coloured "PRO" flexible strip

IP20 with 198 leds/metre 2110SMD.

Requires use with led profile to permit dissipation.

5mm PCB

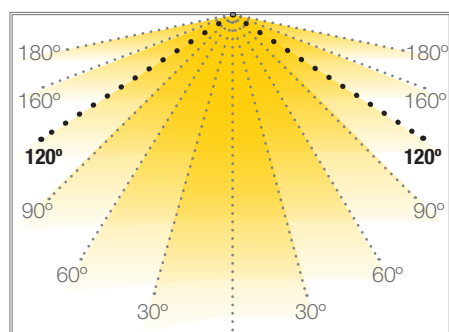
Daily recommended use: 18h

Maximum connection in open circuit: 3m

Maximum connection in closed circuit: 6m

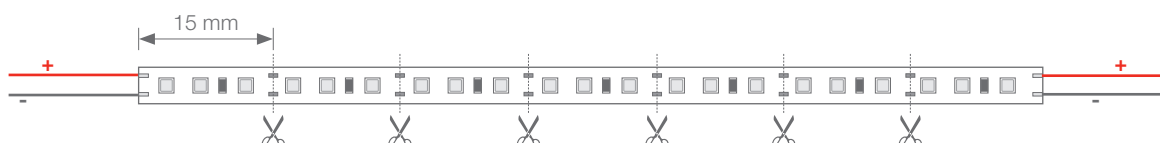
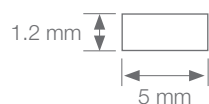
Estimated lifespan: 50000h *

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



Power (W)	10W/m
Voltage (V)	12V
Led type	SMD2110
Lumens (6000°K)	812 Lm/m
CRI	>90
Light emission	120°
Waterproofing	IP20
N° leds/m	198
Measurements	5000x5x1.2mm
Cuttable*	every 15mm
PCB	5mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Aprobado por:  

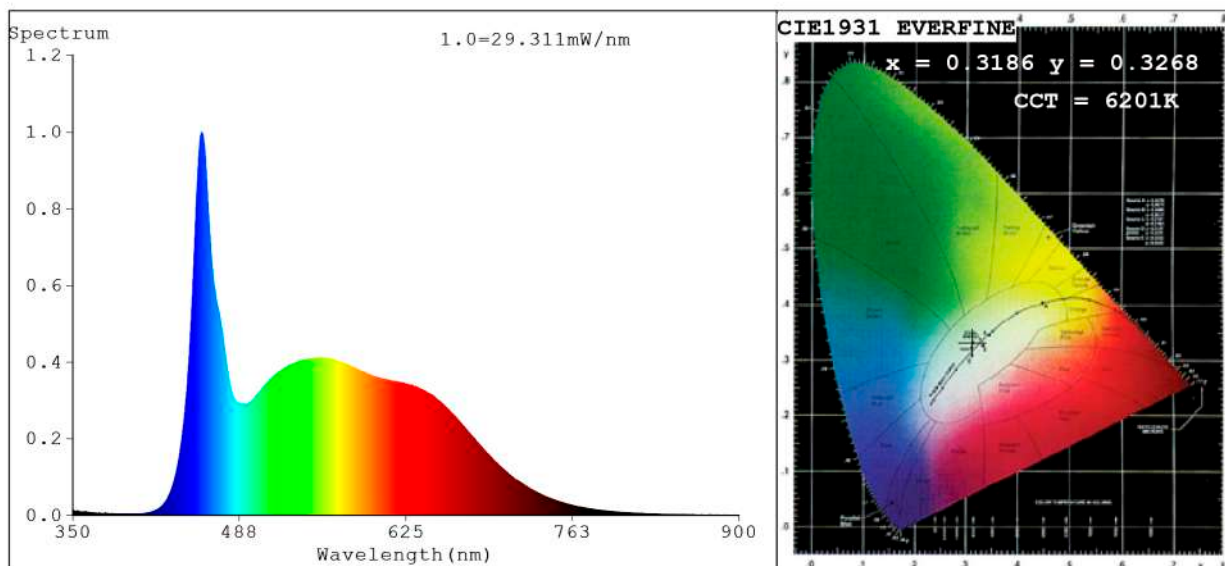


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Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3186$ $y=0.3268$ $u'=0.2028$ $v'=0.4680$
 CCT=6201K (Duv=-0.0009) Dominant WL:Ld =485.8nm Purity=5.5%
 Ratio:R=15.8% G=77.4% B=6.9%; Peak WL:Lp=456.7nm FWHM=24.7nm
 Render Index:Ra=93.3 CRI=91.7 TM30:Rf=88 Rg=98
 R1 =95 R2 =98 R3 =97 R4 =89 R5 =92 R6 =92 R7 =92
 R8 =91 R9 =88 R10=97 R11=90 R12=65 R13=99 R14=99 R15=94

Photo Parameters:

Flux = 812.5 lm Eff. : 82.26 lm/W Fe = 3.025 W Scotopic:1920.8 S/P:2.3639

Electrical parameters:

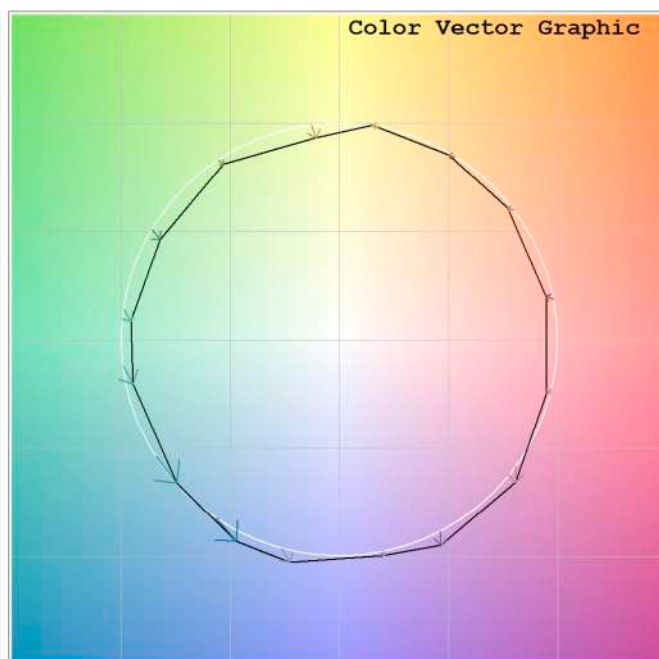
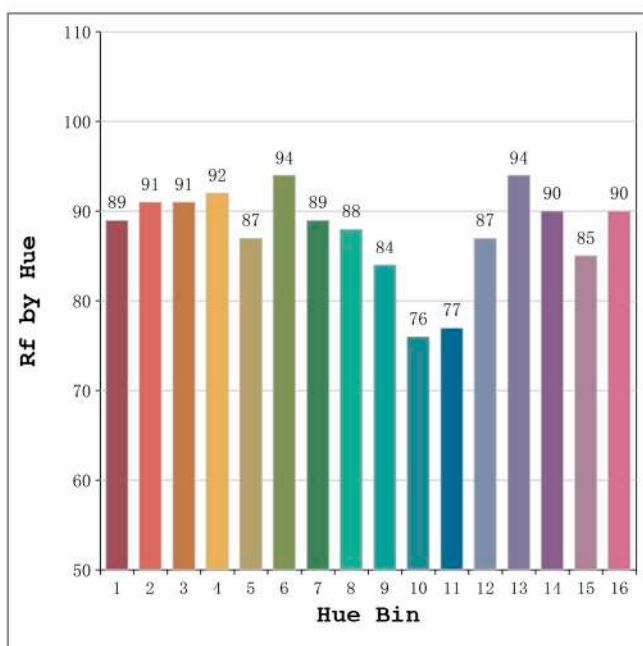
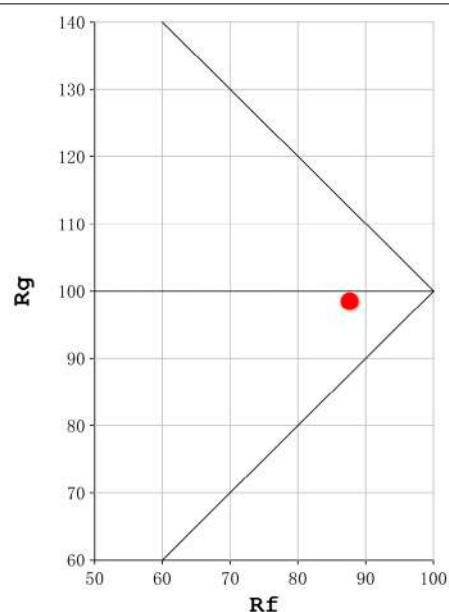
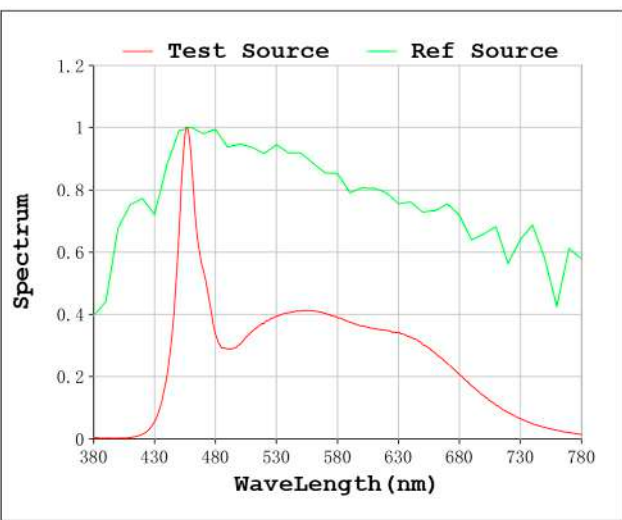
V = 11.998 V I = 0.8233 A P = 9.878 W PF = 1.000

Status: Integral T = 1000 ms Ip = 51889 (79%)

Model:Ecoled Cies 6000K
 Tester:Sergio Carneros
 Temperature:24Deg
 Manufacturer:Luz Negra S.L

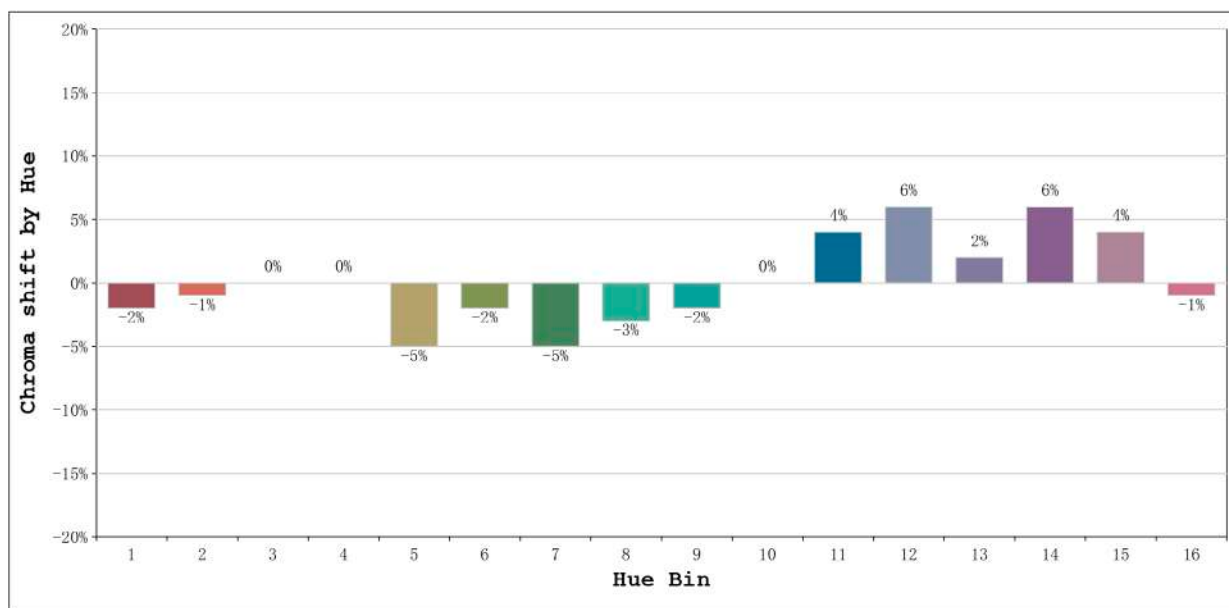
Number: 32.004
 Date:25-5-2021
 Humidity:57%
 Remarks:100cm de tira flexible

Rf: 88 CCT: 6201 K u': 0.2028
Rg: 98 Duv: -0.0009 v': 0.4680



Model:Ecoled Cies 6000K
Tester:Sergio Carneros
Temperature:24Deg
Manufacturer:Luz Negra S.L

Number: 32.004
Date:25-5-2021
Humidity:57%
Remarks:100cm de tira flexible

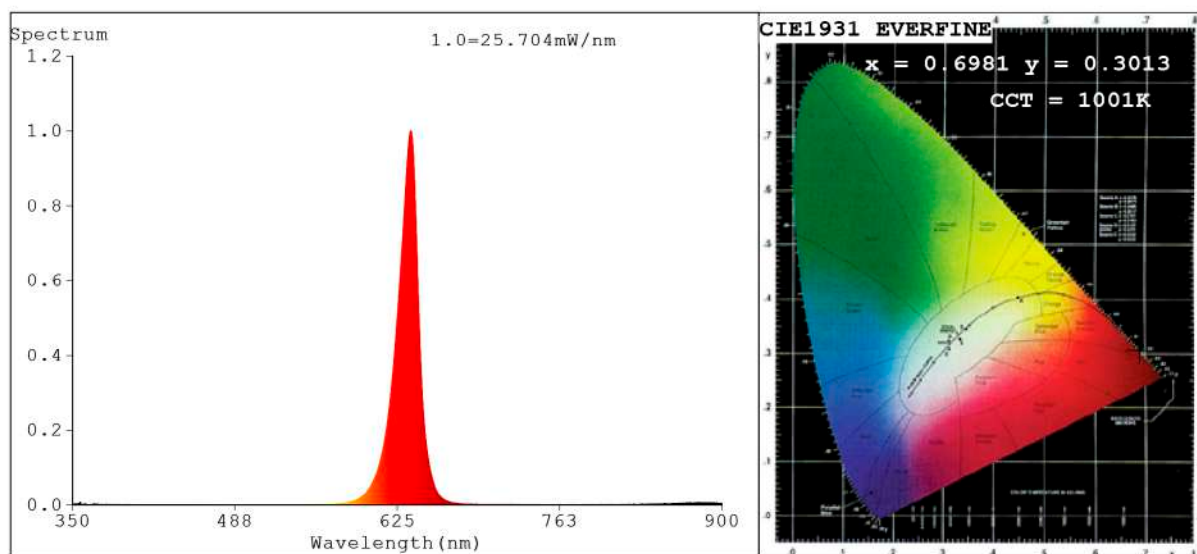


			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0.0° - 22.5°	89	-2	2
2	22.5° - 45.0°	91	-1	2
3	45.0° - 67.5°	91	0	3
4	67.5° - 90.0°	92	0	3
5	90.0° - 112.5°	87	-5	0
6	112.5° - 135.0°	94	-2	0
7	135.0° - 157.5°	89	-5	1
8	157.5° - 180.0°	88	-3	5
9	180.0° - 202.5°	84	-2	9
10	202.5° - 225.0°	76	0	15
11	225.0° - 247.5°	77	4	13
12	247.5° - 270.0°	87	6	5
13	270.0° - 292.5°	94	2	-1
14	292.5° - 315.0°	90	6	-2
15	315.0° - 337.5°	85	4	-5
16	337.5° - 360.0°	90	-1	-1

Model:Ecoled Cies 6000K
 Tester:Sergio Carneros
 Temperature:24Deg
 Manufacturer:Luz Negra S.L

Number: 32.004
 Date:25-5-2021
 Humidity:57%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.6981$ $y=0.3013$ $u'=0.5351$ $v'=0.5195$
 CCT=1001K (Duv=-0.0875) Dominant WL: $\lambda_d = 623.9\text{nm}$ Purity=99.8%
 Ratio: R=95.7% G=4.3% B=0.0%; Peak WL: $\lambda_p = 636.5\text{nm}$ FWHM=18.5nm
 Render Index: Ra=29.4 CRI=34.5 TM30: Rf=36 Rg=-1
 R1 =11 R2 =79 R3 =37 R4 =0 R5 =7 R6 =89 R7 =14
 R8 =0 R9 =0 R10=73 R11=0 R12=80 R13=32 R14=63 R15=0

Photo Parameters:

Flux = 100.3 lm Eff. : 8.59 lm/W Φ_e = 579.4 mW Scotopic: 5.2229 S/P: 0.052097

Electrical parameters:

V = 11.998 V I = 0.9727 A P = 11.67 W PF = 1.000

Status: Integral T = 1000 ms I_p = 43607 (67%)

Model: Ecoled Cies rojo
 Tester: Sergio Carneros
 Temperature: 24Deg
 Manufacturer: Luz Negra S.L

Number: 32.007
 Date: 25-5-2021
 Humidity: 57%
 Remarks: 100cm de tira flexible