

## DIGITAL LED

## COZUMEL

## FLEXIBLE STRIP

Ref: 35.004

RGB DIGITAL

Flexible led strip with digital led in **RGB "PRO"** series

IP20 with 30 leds/metre and cuttable every led.

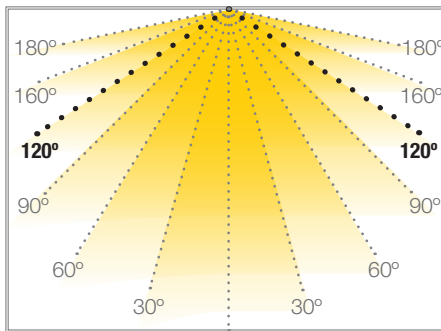
Requires use with led profile to permit dissipation.

**10mm PCB**

**Maximum connection in open circuit: 5m.**

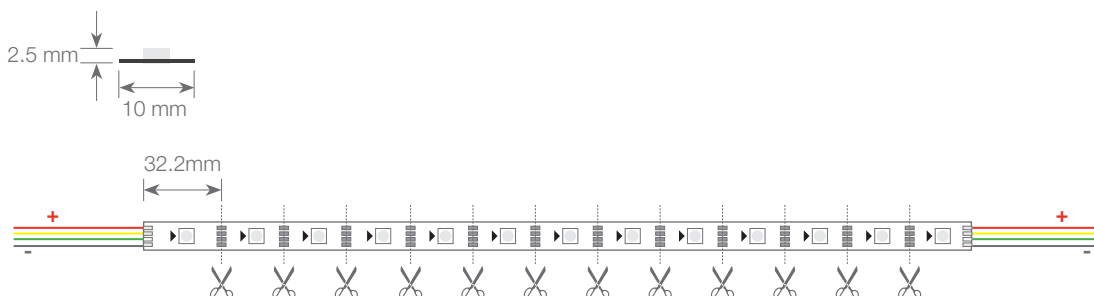
Estimated lifespan: 50000h \*

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



Power (W)	5W/m
Voltage (V)	12V
IC type	WS2812
Lumens	112 Lm/m
CRI	>40
Led control	led to led
Light emission	120°
Waterproofing	IP20
N° leds/m	30
Measurements	5000x10x2.5mm
Cuttable	every 33.2mm
PCB	10mm
Working temperature	-20°C / +50°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Approved by: 

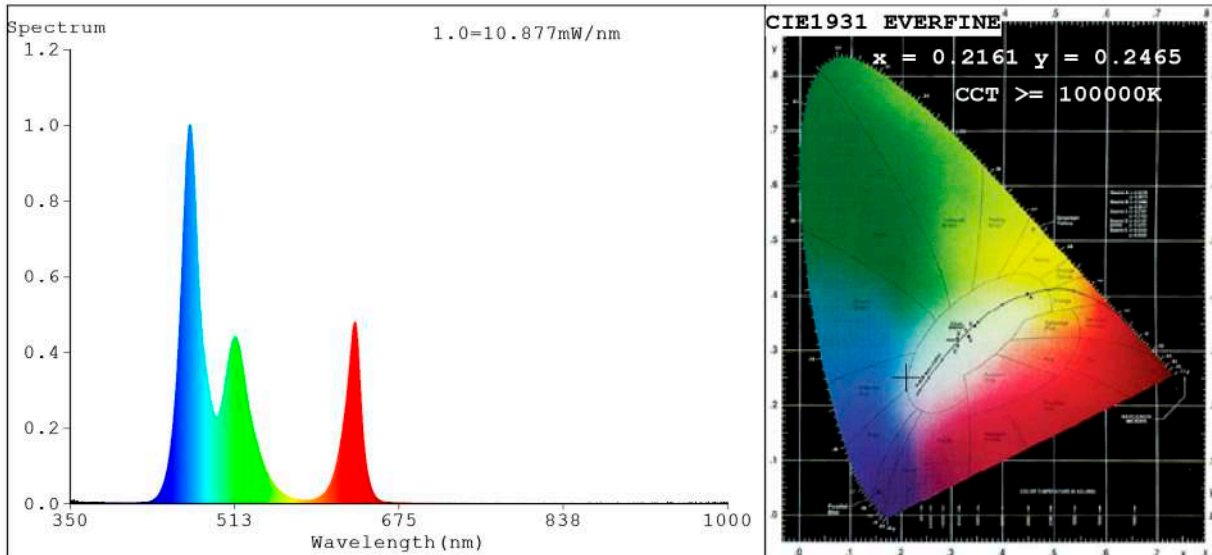


**BARCELONA**  
C/ Carles Buhigues, 13  
08420 Canovelles  
Info@luznegra.net  
Tel: +34 938 402 598

**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:  $x=0.2161$   $y=0.2465$   $u'=0.1564$   $v'=0.4015$   
 CCT=100000K (Duv=0.0243) Dominant WL:Ld =481.4nm Purity=47.3%  
 Ratio:R=18.7% G=62.6% B=18.6%; Peak WL:Lp=468.7nm FWHM=20.4nm  
 Render Index:Ra=44.2 CRI=41.7 TM30:Rf=32 Rg=98  
 R1 =46 R2 =45 R3 =38 R4 =58 R5 =65 R6 =42 R7 =43  
 R8 =15 R9 =0 R10=0 R11=74 R12=56 R13=38 R14=63 R15=26

**Photo Parameters:**

Flux = 111.6 lm Eff. : 25.26 lm/W Fe = 543.5 mW Scotopic:552.51 S/P:4.9527

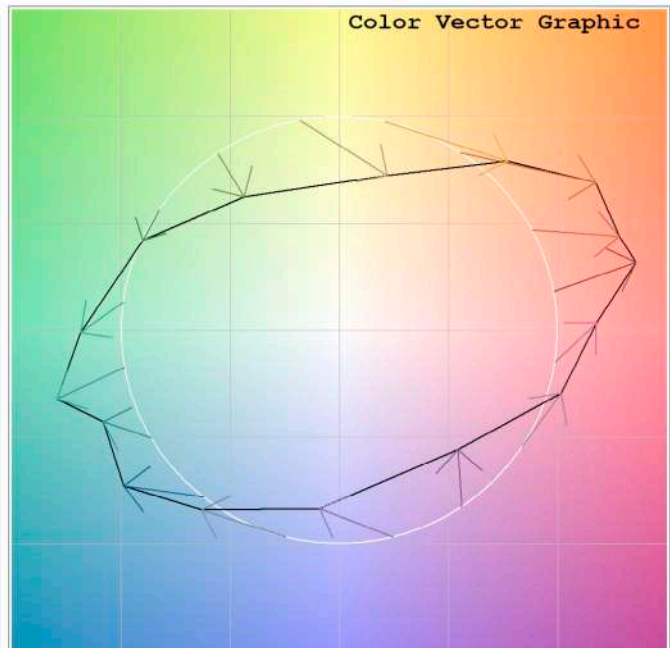
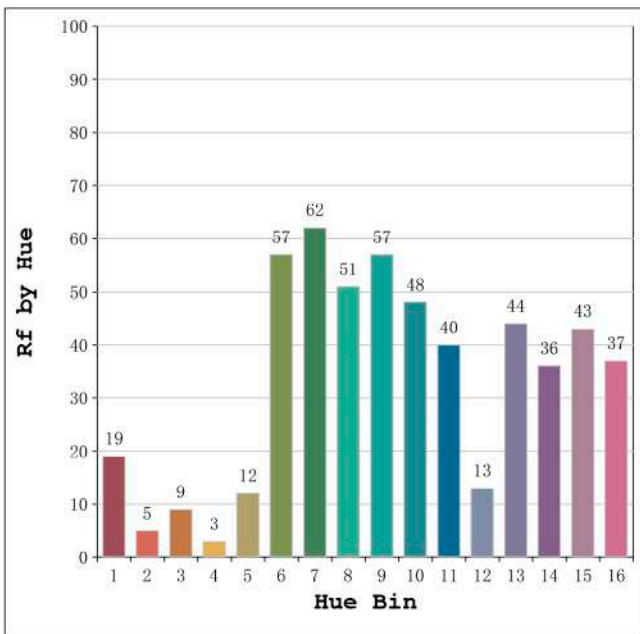
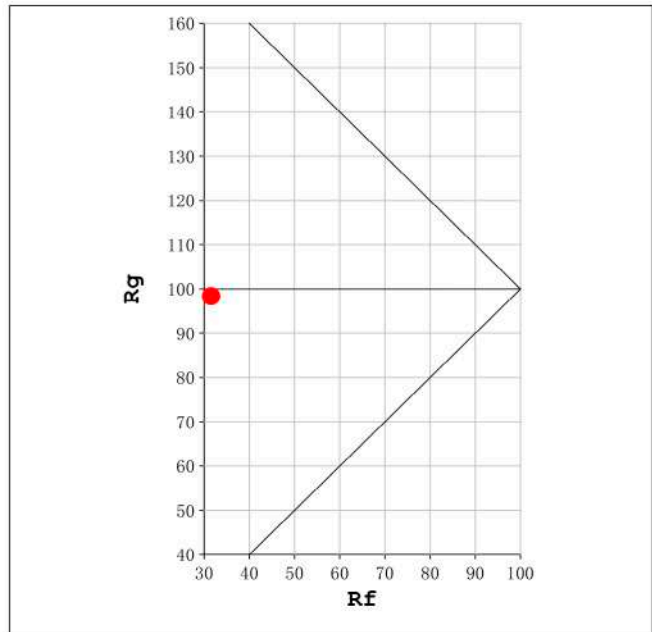
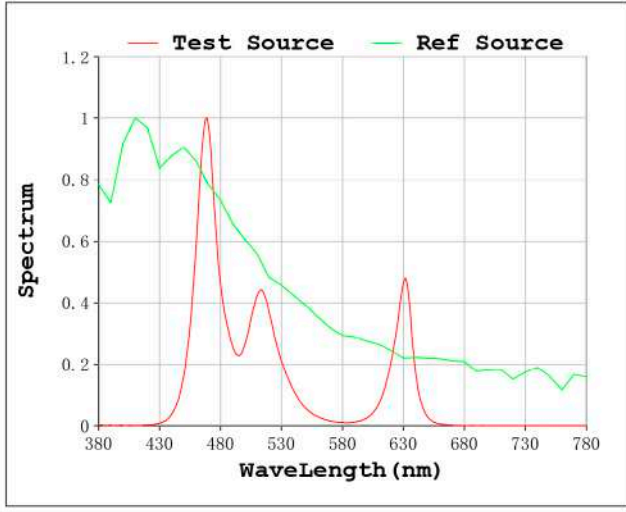
**Electrical parameters:**

V = 11.998 V I = 0.3681 A P = 4.416 W PF = 1.000

Status: Integral T = 2000 ms Ip = 38740 (59%)

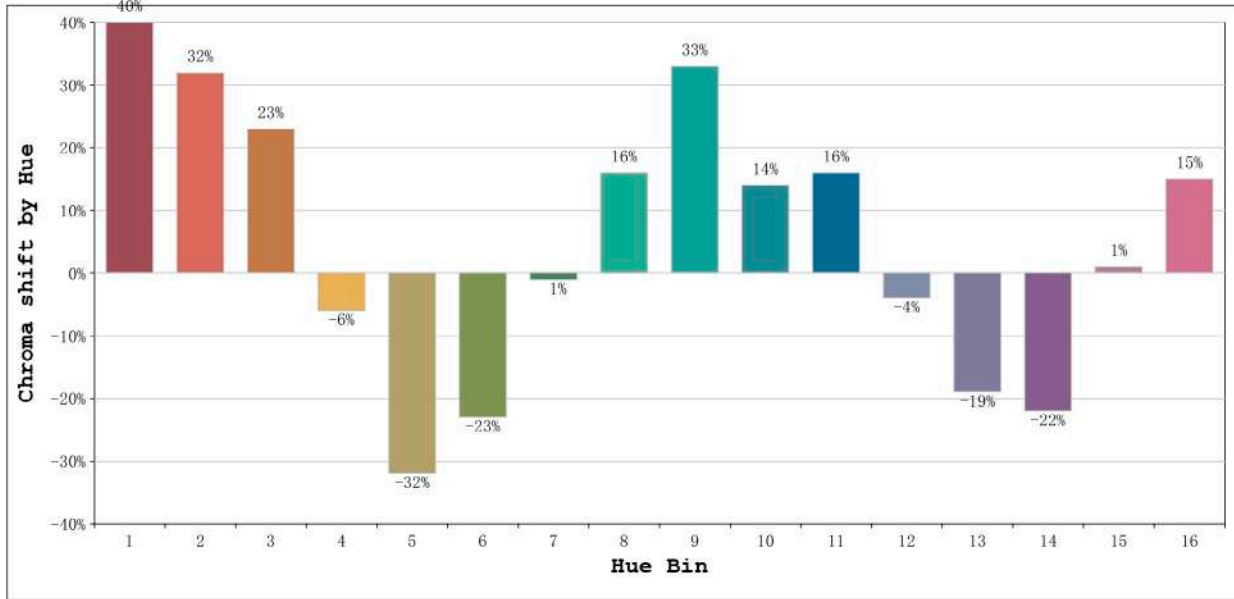
Model:Ecoled Cozumel	Number: 35.004
Tester:Sergio Carneros	Date:26-5-2021
Temperature:25Deg	Humidity:57%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible

Rf: 32 CCT: 100000 K u': 0.1564  
Rg: 98 Duv: 0.0243 v': 0.4015



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Hue Bin	Hue Angle	Rf	Graphic shift(%)	
			Chroma	Hue
1	0.0° - 22.5°	19	40	6
2	22.5° - 45.0°	5	32	-24
3	45.0° - 67.5°	9	23	-58
4	67.5° - 90.0°	3	-6	-58
5	90.0° - 112.5°	12	-32	-34
6	112.5° - 135.0°	57	-23	1
7	135.0° - 157.5°	62	-1	16
8	157.5° - 180.0°	51	16	18
9	180.0° - 202.5°	57	33	9
10	202.5° - 225.0°	48	14	-18
11	225.0° - 247.5°	40	16	-32
12	247.5° - 270.0°	13	-4	-39
13	270.0° - 292.5°	44	-19	-30
14	292.5° - 315.0°	36	-22	13
15	315.0° - 337.5°	43	1	31
16	337.5° - 360.0°	37	15	22

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