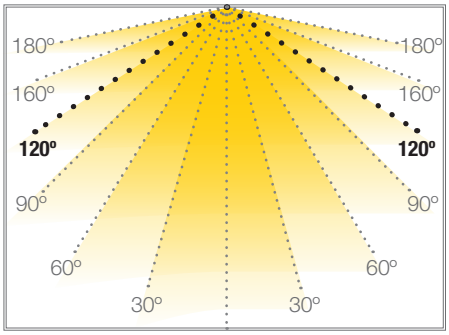
HIGH BRIGHTNESS | MARBELLA PRO | FLEXIBLE STRIP

Ref: 33.192 **RGB + W (3000ºK)**

RGB+W flexible led strip "**PRO**"
IP20 with 60 leds/metre 5050SMD.
Requires use with led profile to permit dissipation.
Heat dissipation tape included.
White colour (included in led chip).
10mm PCB
Daily recommended use: 18h
Maximum connection in open circuit: 6m
Maximum connection in closed circuit: 12m
Estimated lifespan: 50000h *

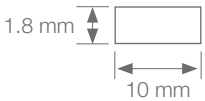
* Depending on the dissipation of the profile, the daily working hours and the external environmental working temperature

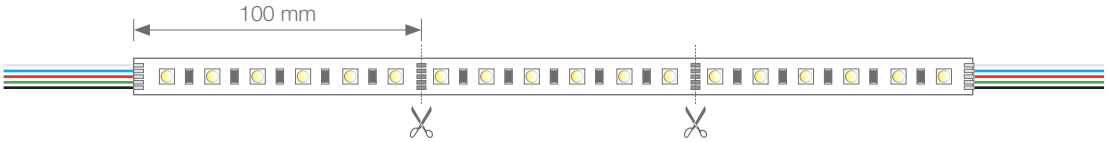


W 18.4	120º	24V	IP20	100mm	indoor	18h máx.
power		voltage				work

Power (W)	19W/m
Voltage (V)	24V
Led type	SMD5050
Lumens (white)	800 Lm/m
CRI	>75
Light emission	120º
Waterproofing	IP20
Nº leds/m	60
Measurements	5000x10x1.8mm
Cuttable	every 100mm
PCB	10mm
Working temperature	-20°C / +40°C
Sequencer	not included
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Aprobado por: CE RoHS COMPLIANT





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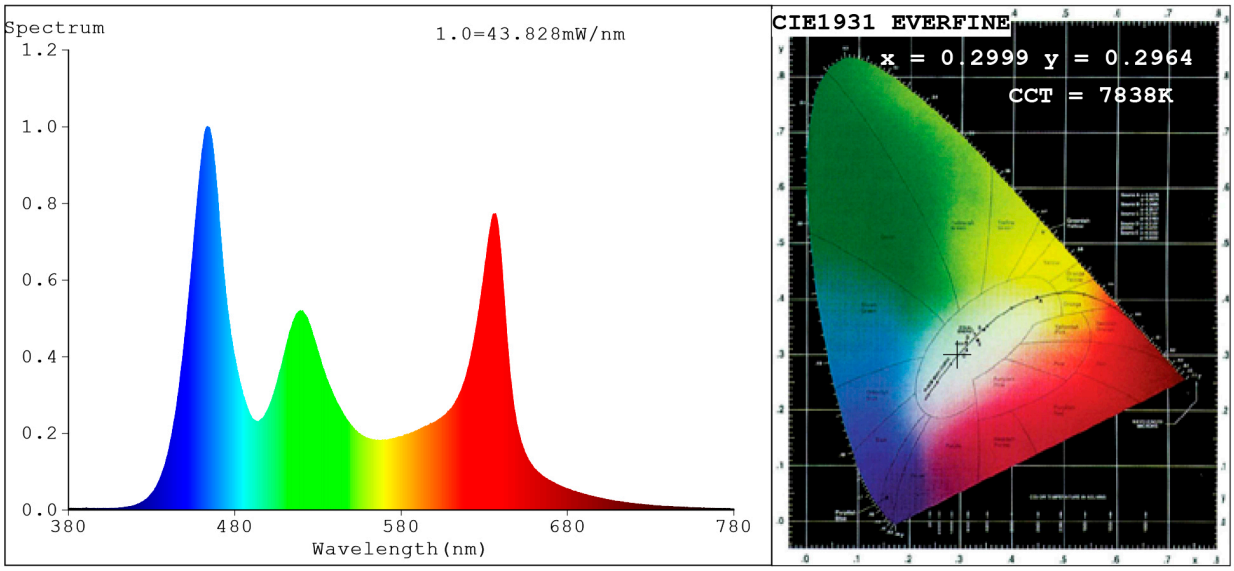
Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.2999 y=0.2964/u'=0.2013 v'=0.4478

CCT=7838K(Duv=-0.0072) Dominant WL:Ld =475.0nm Purity=15.0%

Ratio:R=20.9% G=70.1% B=9.0%¡¡Peak WL:Lp=463.5nm FWHM=25.2nm

Render Index:Ra=64.0 CRI=57.5 TM30:Rf=69 Rg=111

R1 =51	R2 =71	R3 =89	R4 =61	R5 =60	R6 =66	R7 =76	
R8 =37	R9 =0	R10=37	R11=52	R12=61	R13=54	R14=90	R15=42

Photo Parameters:

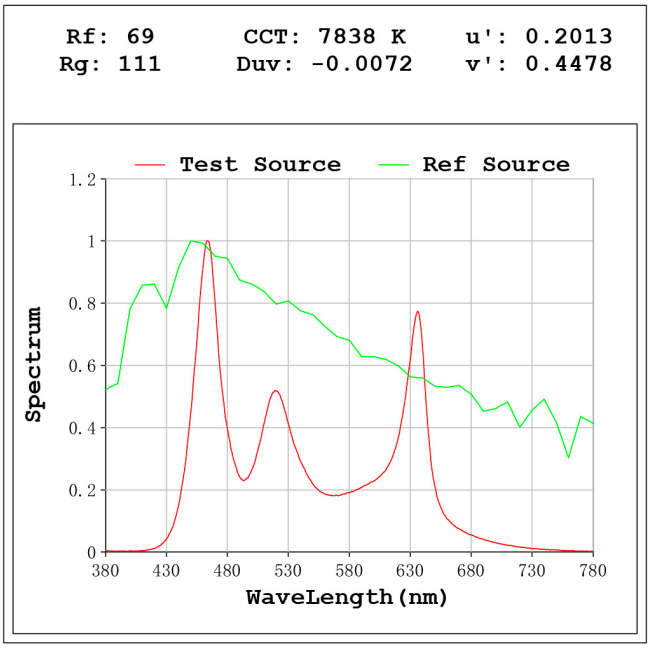
Flux = 950.8 lm Eff. : 50.20 lm/W Fe = 3.784 W Scotopic:2822.8 S/P:2.9687

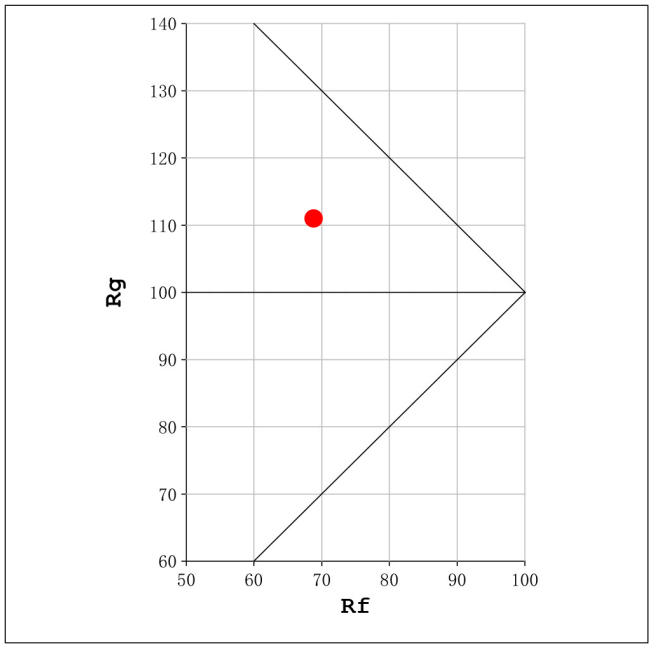
Electrical parameters:

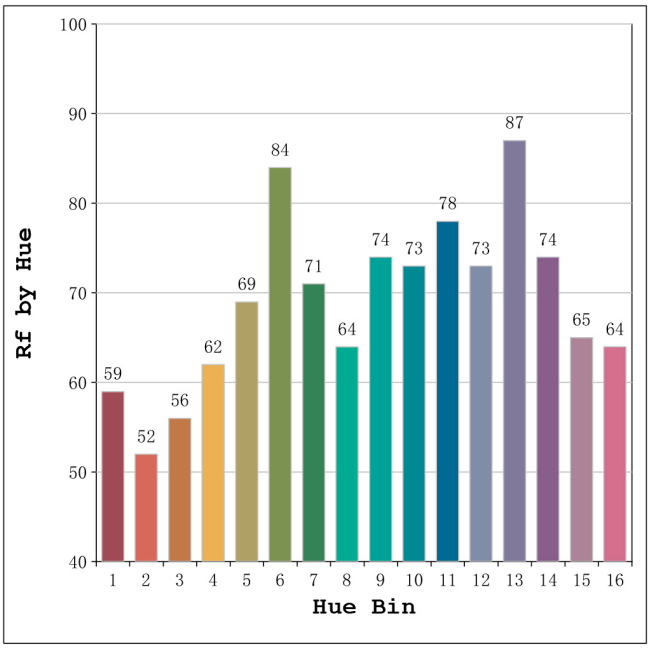
V = 24.397 V I = 0.7764 A P = 18.94 W PF = 1.000

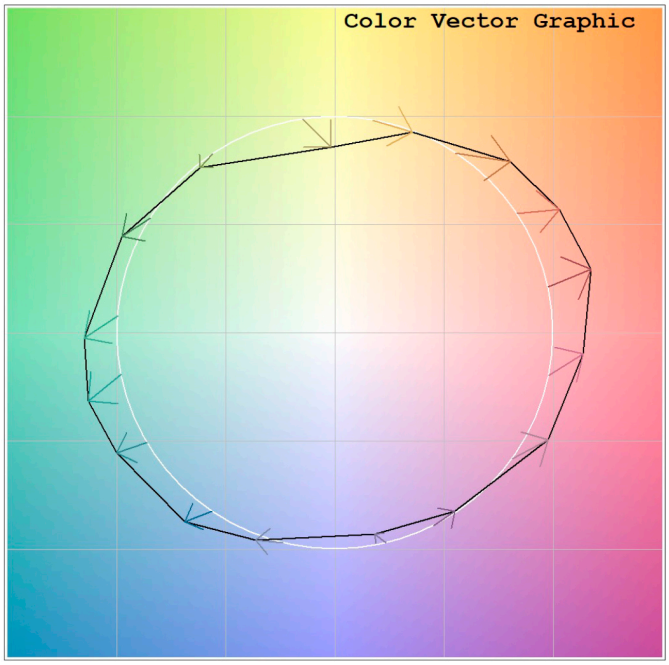
Status: Integral T = 438 ms Ip = 33062 (50%)

Model:Ecoled Marbella pro R+G+B+W Number: 33.192
Tester:Sergio Carneros Date:26-5-2021
Temperature:21Deg Humidity:57%
Manufacturer:Luz Negra S.L Remarks:100cm de tira flexible









Model:Ecoled Marbella pro R+G+B+W Number: 33.192
Tester:Sergio Carneros Date:26-5-2021
Temperature:21Deg Humidity:57%
Manufacturer:Luz Negra S.L Remarks:100cm de tira flexible

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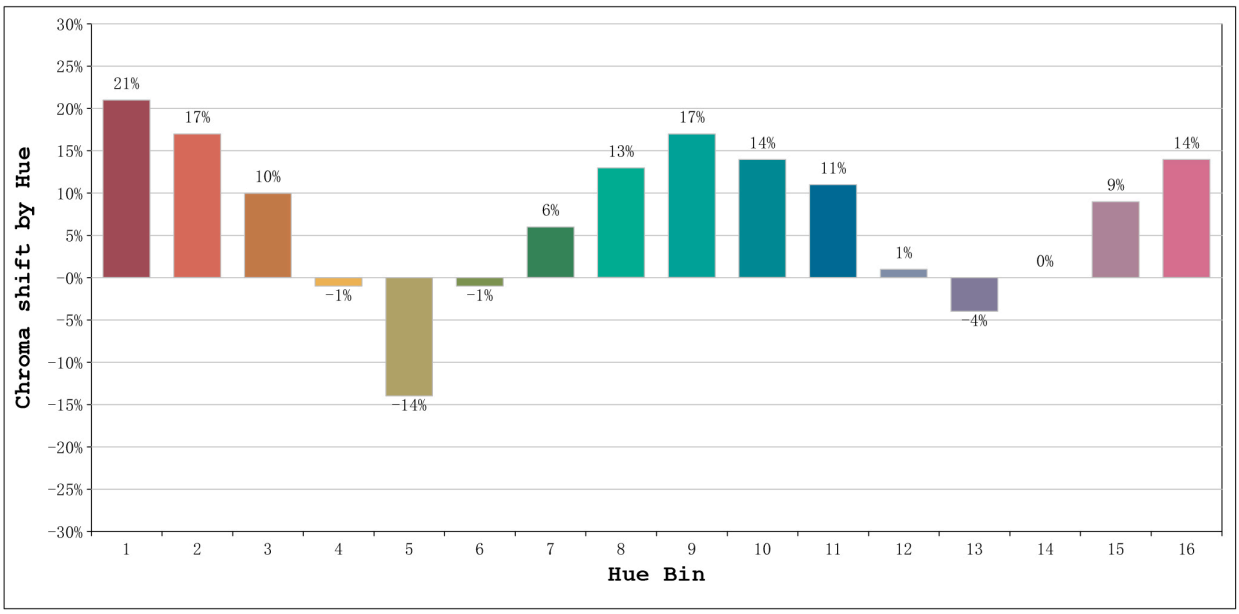
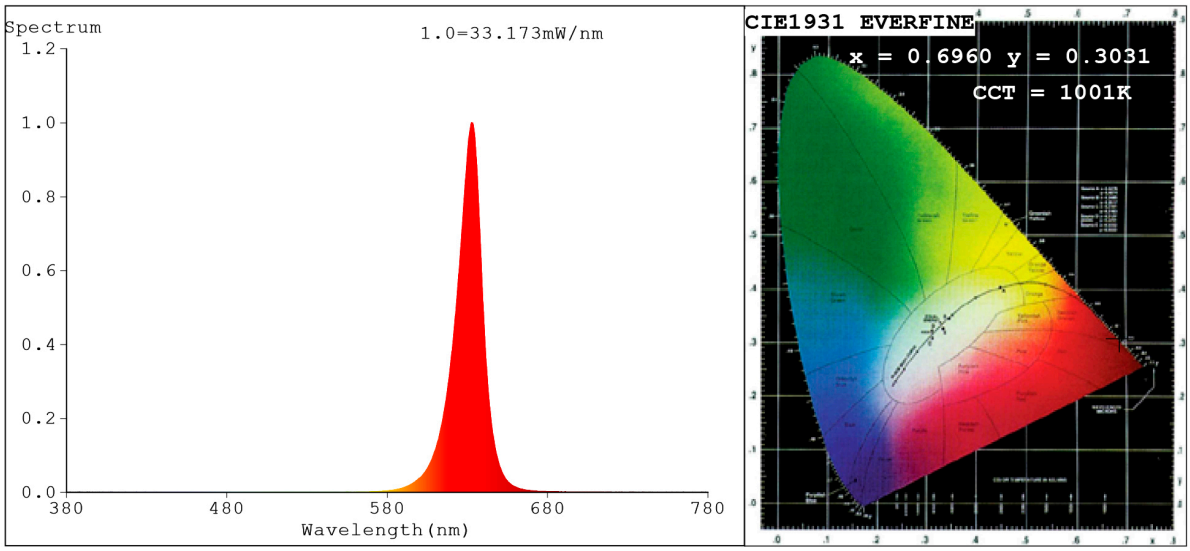


			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0.0° - 22.5°	59	21	4
2	22.5° - 45.0°	52	17	-8
3	45.0° - 67.5°	56	10	-22
4	67.5° - 90.0°	62	-1	-18
5	90.0° - 112.5°	69	-14	-9
6	112.5° - 135.0°	84	-1	8
7	135.0° - 157.5°	71	6	14
8	157.5° - 180.0°	64	13	14
9	180.0° - 202.5°	74	17	9
10	202.5° - 225.0°	73	14	-3
11	225.0° - 247.5°	78	11	-7
12	247.5° - 270.0°	73	1	-11
13	270.0° - 292.5°	87	-4	-3
14	292.5° - 315.0°	74	0	12
15	315.0° - 337.5°	65	9	16
16	337.5° - 360.0°	64	14	13

Model:Ecoled Marbella pro R+G+B+W Number: 33.192
Tester:Sergio Carneros Date:26-5-2021
Temperature:21Deg Humidity:57%
Manufacturer:Luz Negra S.L Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.6960 y=0.3031/u'=0.5307 v'=0.5201

CCT=1001K(Duv=-0.0832) Dominant WL:Ld =622.8nm Purity=99.8%

Ratio:R=95.8% G=4.2% B=0.0%¡¡Peak WL:Lp=632.6nm FWHM=16.8nm

Render Index:Ra=27.9 CRI=33.4 TM30:Rf=22 Rg=-1

R1 =9	R2 =79	R3 =33	R4 =0	R5 =4	R6 =90	R7 =8	
R8 =0	R9 =0	R10=73	R11=0	R12=79	R13=31	R14=61	R15=0

Photo Parameters:

Flux = 129.9 lm Eff. : 30.72 lm/W Fe = 680.1 mW Scotopic:7.0098 S/P:0.053963

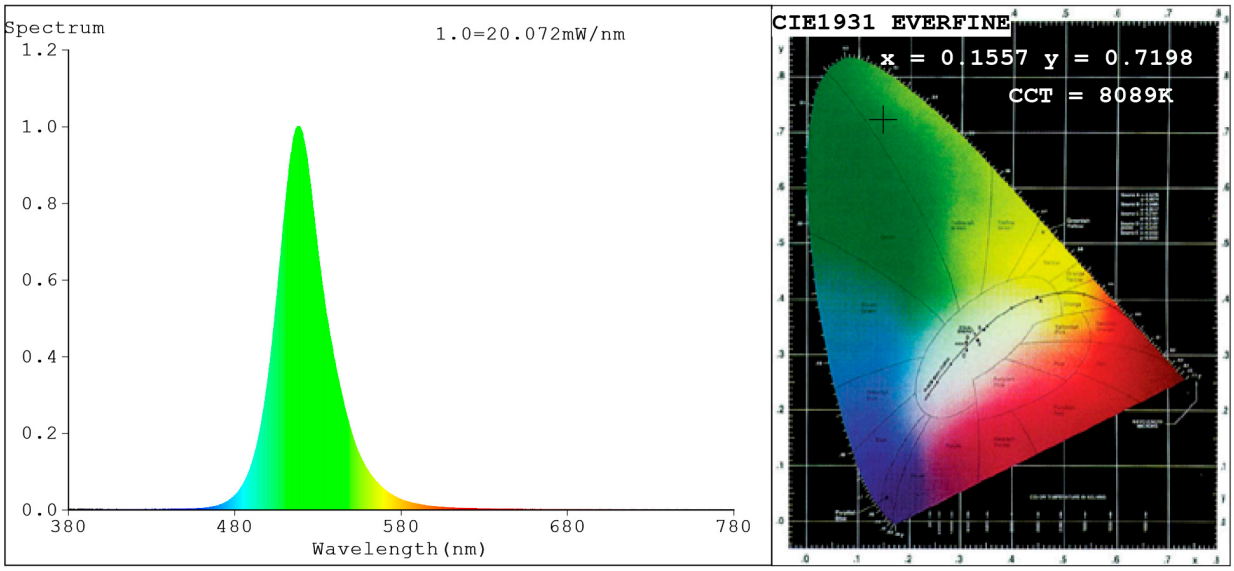
Electrical parameters:

V = 24.397 V I = 0.1733 A P = 4.228 W PF = 1.000

Status: Integral T = 883 ms Ip = 52689 (80%)

Model:Ecoled Marbella pro R	Number: 33.192
Tester:Sergio Carneros	Date:26-5-2021
Temperature:21Deg	Humidity:57%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.1557 y=0.7198/u'=0.0550 v'=0.5720

CCT=8089K(Duv=0.1609) Dominant WL:Ld =523.9nm Purity=77.9%

Ratio:R=0.3% G=97.1% B=2.6%¡¡Peak WL:Lp=518.4nm FWHM=31.4nm

Render Index:Ra=0.0 CRI=2.8 TM30:Rf=0 Rg=8

R1 =0	R2 =0	R3 =0	R4 =0	R5 =0	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=40	R15=0

Photo Parameters:

Flux = 353.7 lm Eff. : 73.41 lm/W Fe = 756.0 mW Scotopic:1065.3 S/P:3.012

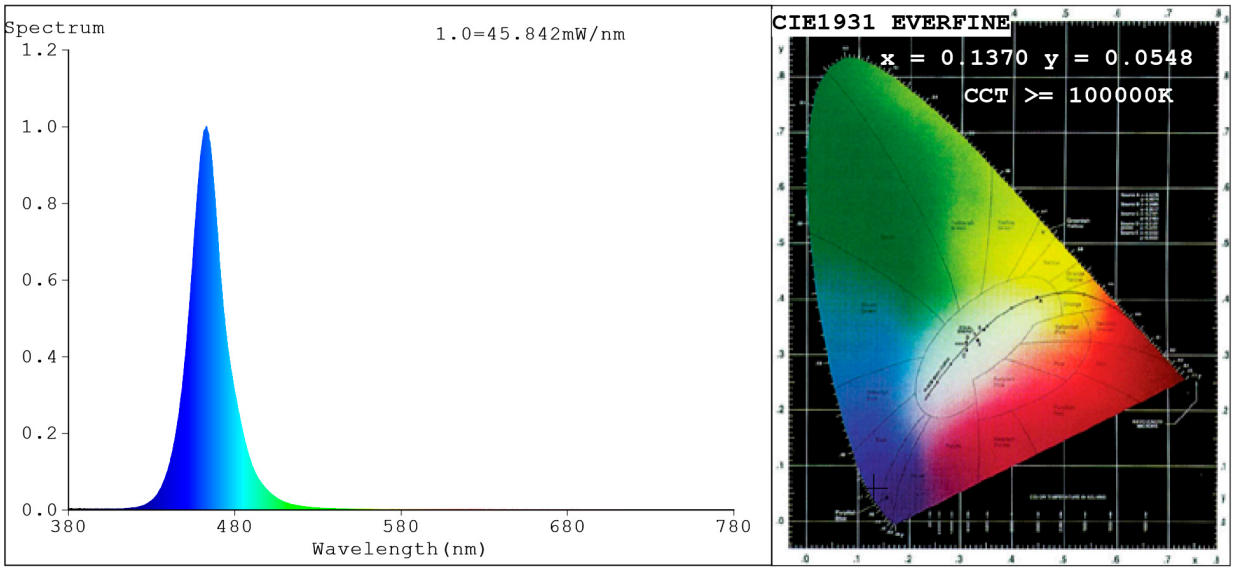
Electrical parameters:

V = 24.397 V I = 0.1975 A P = 4.818 W PF = 1.000

Status: Integral T = 1000 ms Ip = 45660 (70%)

Model:Ecoled Marbella pro G	Number: 33.192
Tester:Sergio Carneros	Date:26-5-2021
Temperature:21Deg	Humidity:57%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.1370 y=0.0548/u'=0.1620 v'=0.1458

CCT=100000K(Duv=0.1698) Dominant WL:Ld =467.1nm Purity=97.1%

Ratio:R=0.4% G=14.9% B=84.8%¡¡Peak WL:Lp=462.9nm FWHM=21.4nm

Render Index:Ra=0.2 CRI=0.1 TM30:Rf=0 Rg=-36

R1 =0	R2 =0	R3 =0	R4 =0	R5 =2	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=0

Photo Parameters:

Flux = 78.16 lm Eff. : 16.30 lm/W Fe = 1.230 W Scotopic:1282.4 S/P:16.408

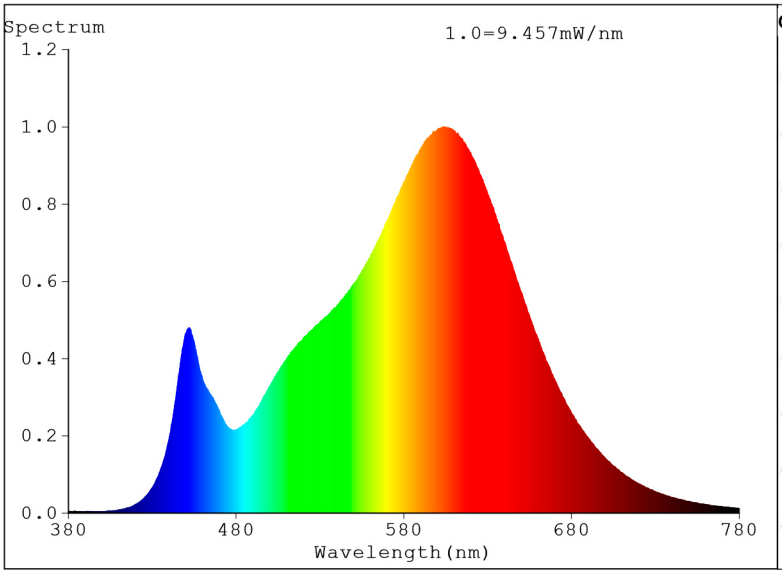
Electrical parameters:

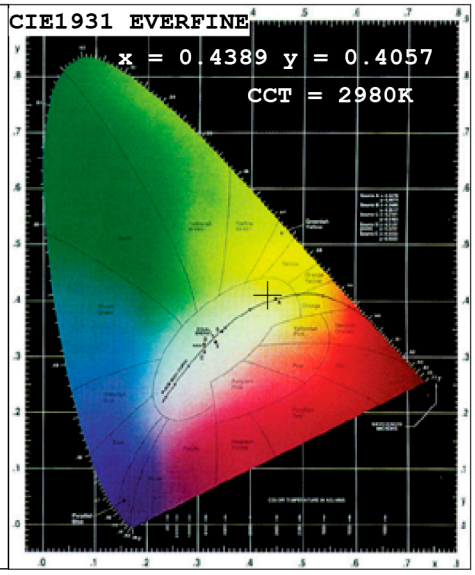
V = 24.397 V I = 0.1965 A P = 4.794 W PF = 1.000

Status: Integral T = 500 ms Ip = 39212 (60%)

Model:Ecoled Marbella pro B	Number: 33.192
Tester:Sergio Carneros	Date:26-5-2021
Temperature:21Deg	Humidity:57%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.4389 y=0.4057/u'=0.2512 v'=0.5223

CCT=2980K(Duv=0.0004) Dominant WL:Ld =582.8nm Purity=53.5%

Ratio:R=23.2% G=74.1% B=2.7%¡¡Peak WL:Lp=603.9nm FWHM=124.1nm

Render Index:Ra=83.1 CRI=78.0 TM30:Rf=83 Rg=95

R1 =82	R2 =92	R3 =96	R4 =81	R5 =82	R6 =91	R7 =82	
R8 =59	R9 =7	R10=82	R11=81	R12=74	R13=84	R14=98	R15=74

Photo Parameters:

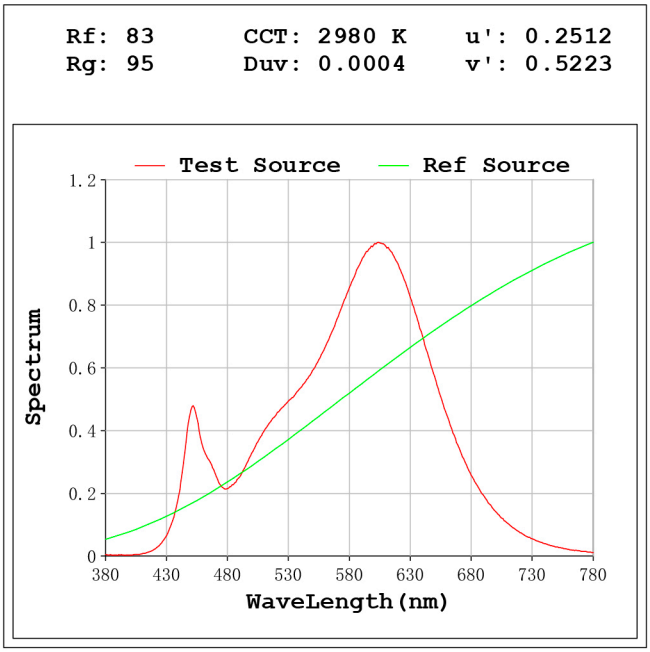
Flux = 456.0 lm Eff. : 87.33 lm/W Fe = 1.380 W Scotopic:616.5 S/P:1.3521

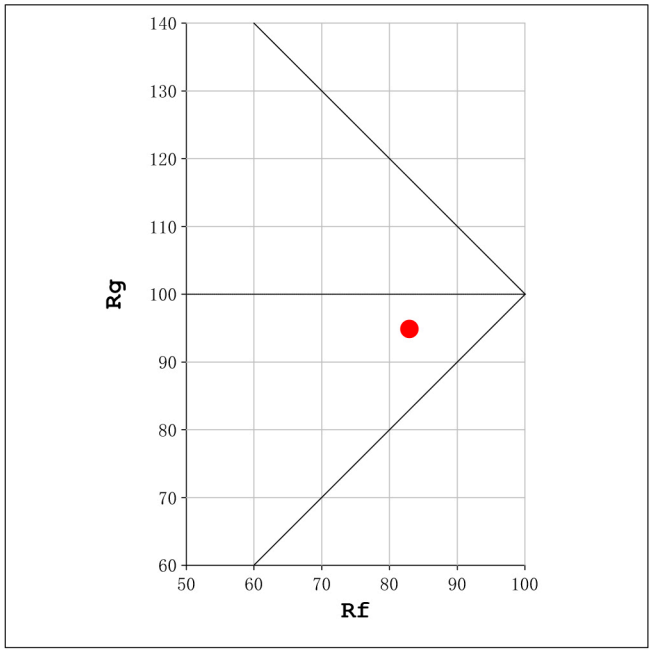
Electrical parameters:

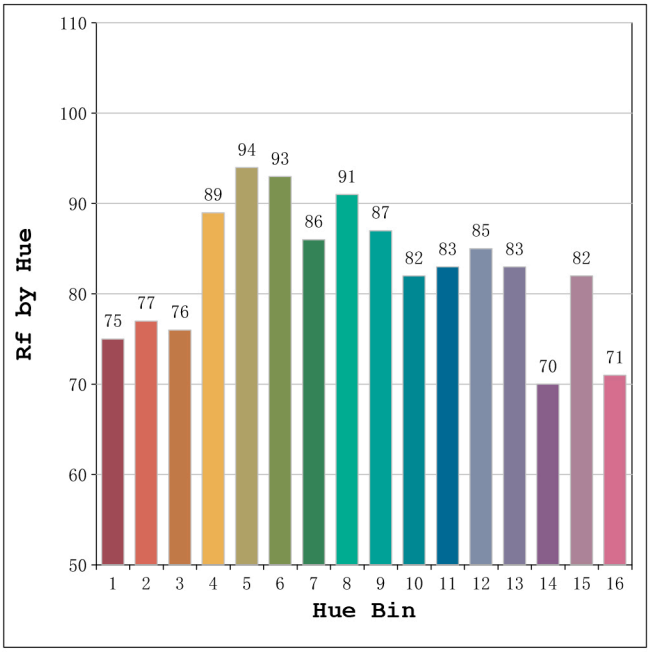
V = 24.397 V I = 0.2140 A P = 5.221 W PF = 1.000

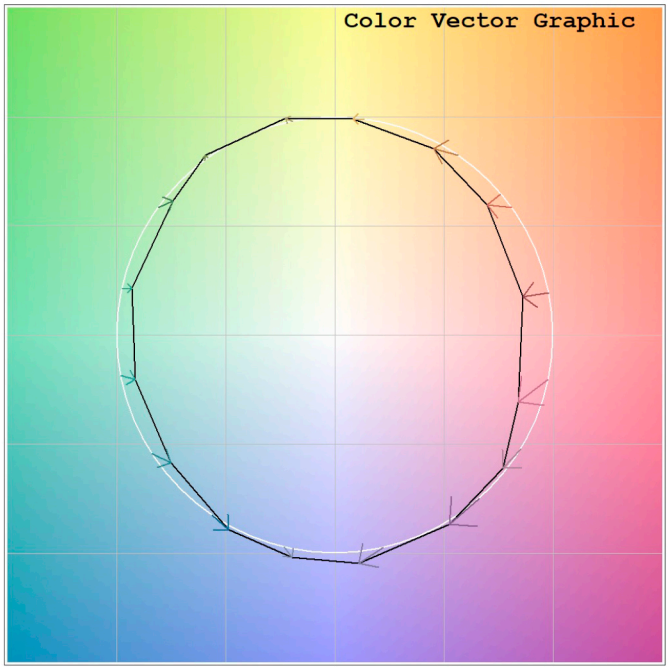
Status: Integral T = 2604 ms Ip = 51463 (79%)

Model:Ecoled Marbella pro W	Number: 33.192
Tester:Sergio Carneros	Date:26-5-2021
Temperature:21Deg	Humidity:57%
Manufacturer:Luz Negra S.L	Remarks:100cm de tira flexible









Model:Ecoled Marbella pro W
Tester:Sergio Carneros
Temperature:21Deg
Manufacturer:Luz Negra S.L

Number: 33.192
Date:26-5-2021
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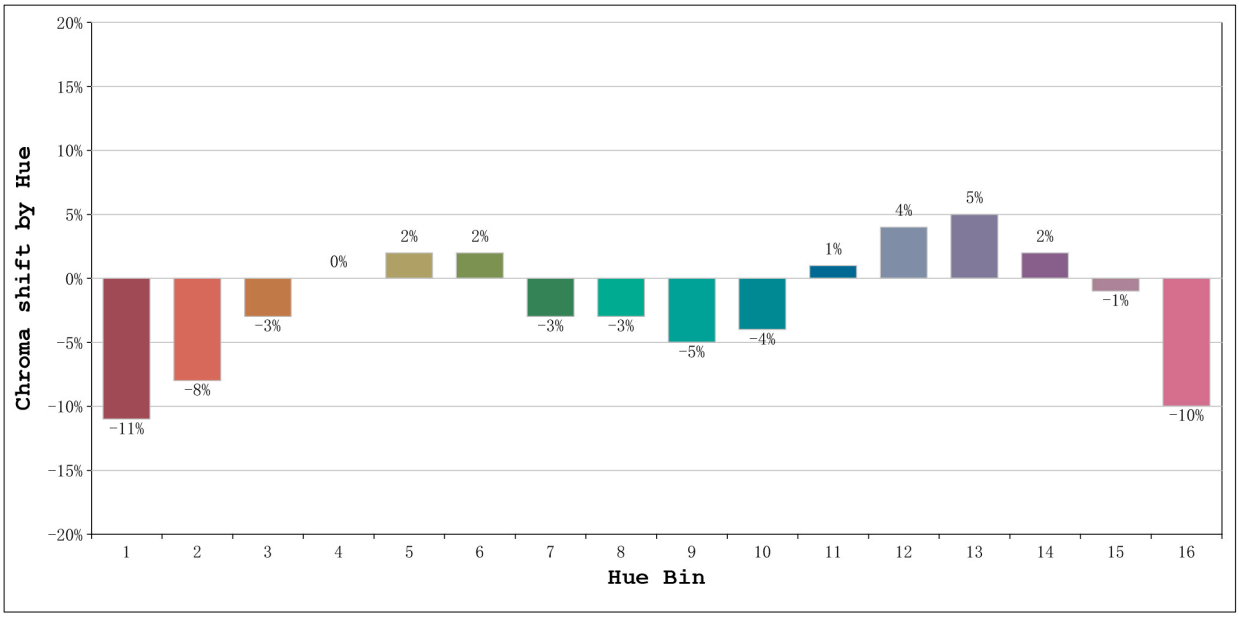

			Graphic shift(%)	
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2	22.5° - 45.0°	77	-8	7
3	45.0° - 67.5°	76	-3	11
4	67.5° - 90.0°	89	0	5
5	90.0° - 112.5°	94	2	3
6	112.5° - 135.0°	93	2	0
7	135.0° - 157.5°	86	-3	-5
8	157.5° - 180.0°	91	-3	0
9	180.0° - 202.5°	87	-5	3
10	202.5° - 225.0°	82	-4	8
11	225.0° - 247.5°	83	1	10
12	247.5° - 270.0°	85	4	5
13	270.0° - 292.5°	83	5	-11
14	292.5° - 315.0°	70	2	-17
15	315.0° - 337.5°	82	-1	-11
16	337.5° - 360.0°	71	-10	-12

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Tester:Sergio Carneros
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