

DIGITAL LED

MALDIVAS

FLEXIBLE STRIP

Ref: 35.010

RGB+W (6000K) DIGITAL

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

IP20 with 60 leds/metre and cuttable every 3 led.

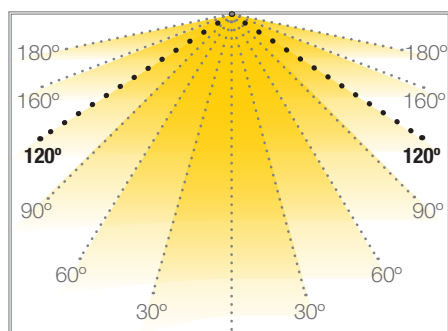
Requires use with led profile to permit dissipation.

10mm PCB

Maximum connection in open circuit: 5m.

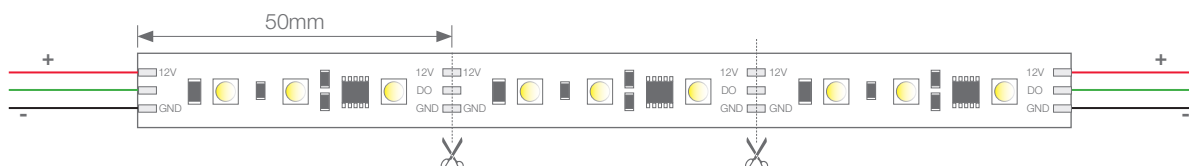
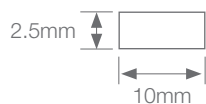
Estimated lifespan: 50000h *

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



Power (W)	20W/m
Voltage (V)	12V
IC type	WS2814
Lumens	800 Lm/m
CRI	>70
Led control	3 leds
Light emission	120°
Waterproofing	IP20
N° leds/m	60
Measurements	5000x10x2.5mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-20°C / +50°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Approved by: 

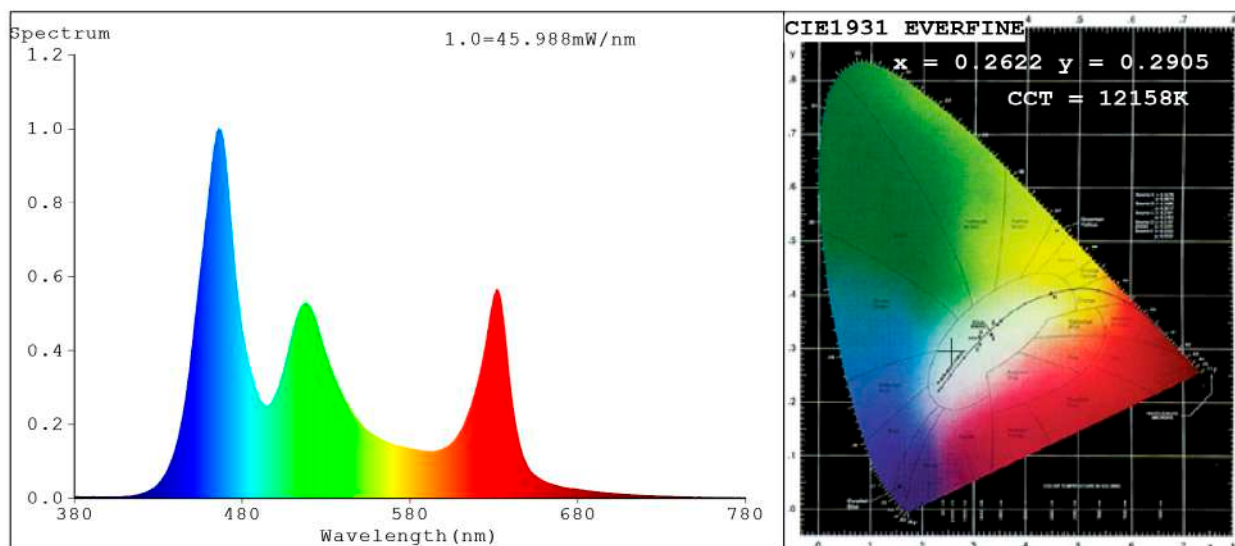


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Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.2622$ $y=0.2905$ $u'=0.1759$ $v'=0.4386$
 CCT=12158K (Duv=0.0128) Dominant WL:Ld =483.5nm Purity=27.6%
 Ratio:R=16.7% G=72.3% B=11.0%; Peak WL:Lp=465.9nm FWHM=26.2nm
 Render Index:Ra=74.6 CRI=68.0 TM30:Rf=68 Rg=103
 R1 =71 R2 =78 R3 =83 R4 =78 R5 =81 R6 =76 R7 =73
 R8 =56 R9 =0 R10=48 R11=81 R12=68 R13=69 R14=89 R15=61

Photo Parameters:

Flux = 868.2 lm Eff. : 57.65 lm/W Fe = 3.420 W Scotopic:2994.3 S/P:3.449

Electrical parameters:

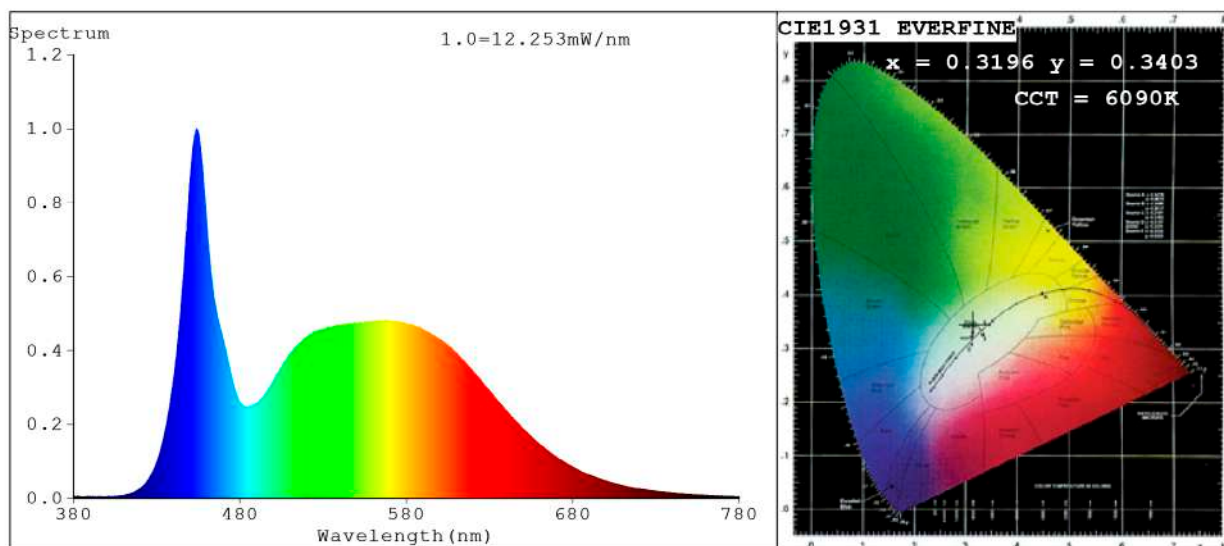
V = 11.998 V I = 1.255 A P = 15.06 W PF = 1.000

Status: Integral T = 526 ms Ip = 33026 (50%)

Model:Ecoled maldivas
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:35.010 RGBW
 Date:2022-04-05 16:27:20
 Humidity:50%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3196$ $y=0.3403$ $u'=0.1984$ $v'=0.4752$
 $CCT=6090K$ (Duv=0.0055) Dominant WL: $L_d = 498.3nm$ Purity=4.3%
 Ratio: R=13.7% G=80.8% B=5.5% ; Peak WL: $L_p=453.9nm$ FWHM=21.8nm
 Render Index: $R_a=82.7$ CRI=75.1 TM30: $R_f=81$ $R_g=93$
 R1 =80 R2 =89 R3 =93 R4 =80 R5 =81 R6 =84 R7 =87
 R8 =67 R9 =3 R10=72 R11=79 R12=56 R13=83 R14=96 R15=75

Photo Parameters:

Flux = 382.1 lm Eff. : 78.70 lm/W $F_e = 1.208$ W Scotopic: 839.92 S/P: 2.1985

Electrical parameters:

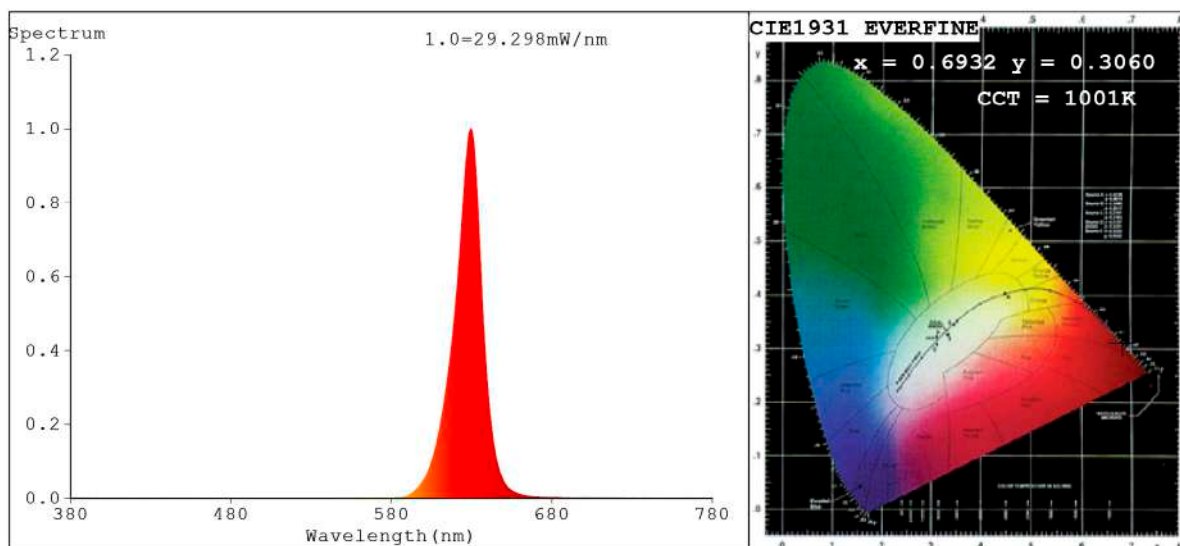
V = 11.998 V I = 0.4046 A P = 4.854 W PF = 1.000

Status: Integral T = 3318 ms $I_p = 49643$ (76%)

Model: Ecoled maldivas
 Tester: Sergio Carneros
 Temperature: 20Deg
 Manufacturer: Luz Negra

Number: 35.010 W
 Date: 2022-04-05 16:28:14
 Humidity: 50%
 Remarks: 100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.6932$ $y=0.3060$ / $u'=0.5246$ $v'=0.5210$
 CCT=1001K (Duv=-0.0770) Dominant WL:Ld =621.2nm Purity=99.8%
 Ratio:R=97.2% G=2.8% B=0.0%; Peak WL:Lp=629.3nm FWHM=17.5nm
 Render Index:Ra=25.1 CRI=31.3 TM30:Rf=5 Rg=-1
 R1 =4 R2 =78 R3 =27 R4 =0 R5 =0 R6 =90 R7 =1
 R8 =0 R9 =0 R10=72 R11=0 R12=79 R13=29 R14=58 R15=0

Photo Parameters:

Flux = 129.4 lm Eff. : 26.67 lm/W Fe = 616.0 mW Scotopic:7.1164 S/P:0.055002

Electrical parameters:

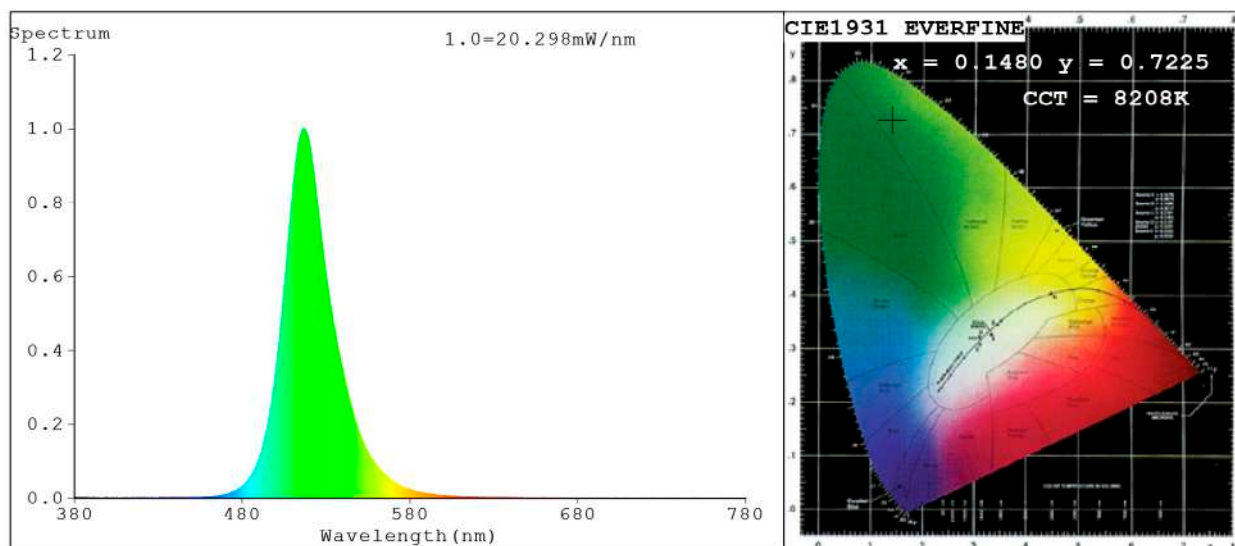
V = 11.998 V I = 0.4044 A P = 4.852 W PF = 1.000

Status: Integral T = 1000 ms Ip = 43909 (67%)

Model:Ecoled maldivas
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:35.010 R
 Date:2022-04-05 16:28:50
 Humidity:50%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1480$ $y=0.7225$ $u'=0.0521$ $v'=0.5717$

CCT=8208K (Duv=0.1633) Dominant WL: $\lambda_d = 522.8\text{nm}$ Purity=78.0%

Ratio: R=0.2% G=97.2% B=2.6%; Peak WL: $\lambda_p = 516.3\text{nm}$ FWHM=29.7nm

Render Index: $R_a=0.0$ CRI=2.7 TM30: $R_f=0$ $R_g=7$

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=37 R15=0

Photo Parameters:

Flux = 335.4 lm Eff. : 69.06 lm/W Fe = 727.5 mW Scotopic:1039.8 S/P:3.1

Electrical parameters:

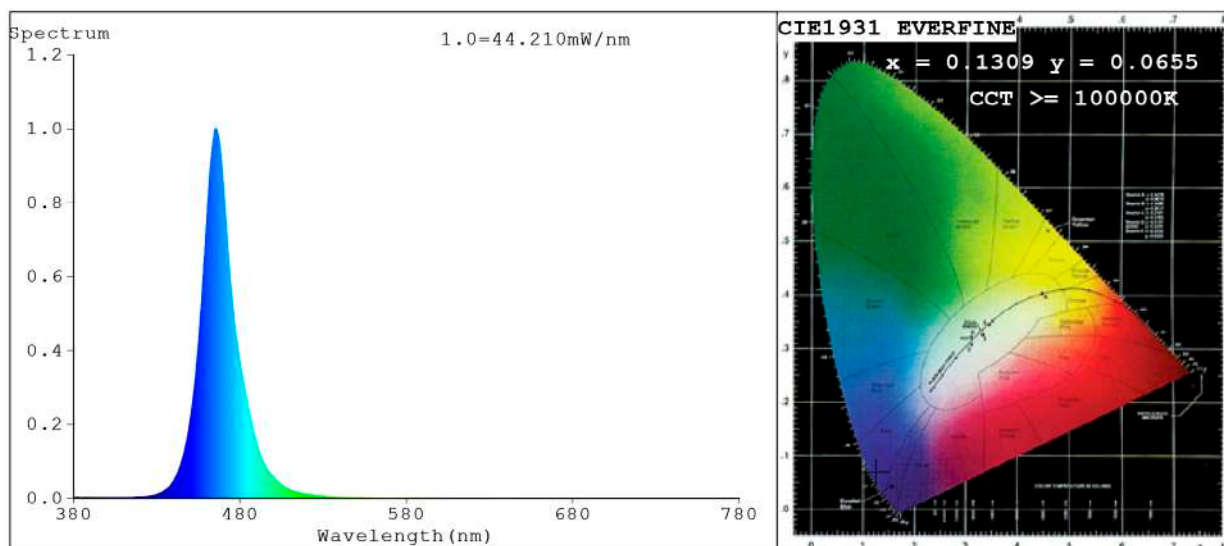
V = 11.998 V I = 0.4048 A P = 4.857 W PF = 1.000

Status: Integral T = 1000 ms $I_p = 37664$ (57%)

Model:Ecoled maldivas
Tester:Sergio Carneros
Temperature:20Deg
Manufacturer:Luz Negra

Number:35.010 G
Date:2022-04-05 16:29:17
Humidity:50%
Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1309$ $y=0.0655$ $u'=0.1486$ $v'=0.1672$
 CCT=100000K (Duv=0.1578) Dominant WL:Ld =469.8nm Purity=97.0%
 Ratio:R=0.2% G=14.8% B=85.0%;;Peak WL:Lp=465.9nm FWHM=19.6nm
 Render Index:Ra=0.1 CRI=0.0 TM30:Rf=0 Rg=-45
 R1 =0 R2 =0 R3 =0 R4 =0 R5 =1 R6 =0 R7 =0
 R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=0

Photo Parameters:

Flux = 78.45 lm Eff. : 16.11 lm/W Fe = 1.099 W Scotopic:1217.3 S/P:15.516

Electrical parameters:

V = 11.998 V I = 0.4059 A P = 4.870 W PF = 1.000

Status: Integral T = 885 ms Ip = 52836 (81%)

Model:Ecoled maldivas
 Tester:Sergio Carneros
 Temperature:20Deg
 Manufacturer:Luz Negra

Number:35.010 B
 Date:2022-04-05 16:30:19
 Humidity:50%
 Remarks:100cm de tira flexible