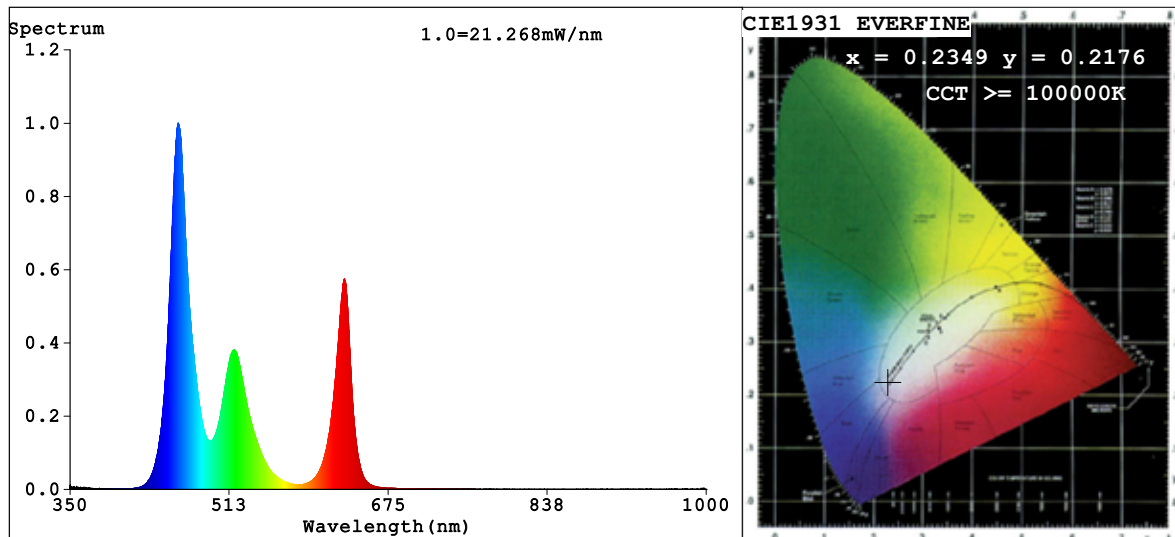


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.2349$ $y=0.2176$ $u'=0.1828$ $v'=0.3809$
 CCT=100000K (Duv=-0.0122) Dominant WL: $\lambda_d = 473.4nm$ Purity=45.0%
 Ratio: R=22.8% G=62.7% B=14.4%; Peak WL: $\lambda_p = 460.5nm$ FWHM=21.0nm
 Render Index: Ra=41.8 CRI=37.2 TM30: Rf=41 Rg=120
 R1 =20 R2 =47 R3 =70 R4 =47 R5 =44 R6 =47 R7 =59
 R8 =0 R9 =0 R10=0 R11=33 R12=52 R13=22 R14=78 R15=0

Photo Parameters:

Flux = 220.7 lm Eff. : 32.62 lm/W Φ_e = 1.100 W

Electrical parameters:

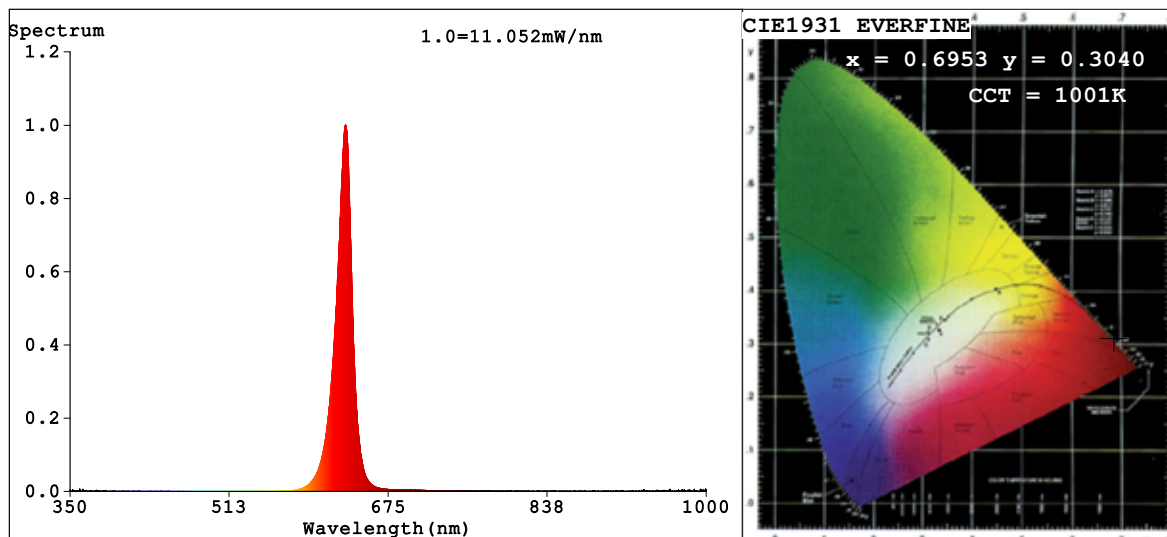
V = 11.998 V I = 0.5639 A P = 6.766 W PF = 1.000

Status: Integral T = 1440 ms I_p = 49292 (75%)

Model: Ecoled Esmeralda R+G+B
 Tester: Sergio Carneros
 Temperature: 25Deg
 Manufacturer: Luz Negra S.L

Number: 30.015
 Date: 01-05-2026
 Humidity: 57%
 Remarks: 100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.6953$ $y=0.3040$ $u'=0.5289$ $v'=0.5204$
 CCT=1001K (Duv=-0.0814) Dominant WL: $\lambda_d = 622.3\text{nm}$ Purity=99.8%
 Ratio: R=96.1% G=3.8% B=0.0% ; Peak WL: $\lambda_p = 631.3\text{nm}$ FWHM=16.8nm
 Render Index: Ra=26.7 CRI=32.5 TM30: Rf=13 Rg=-1
 R1 =7 R2 =78 R3 =31 R4 =0 R5 =2 R6 =90 R7 =6
 R8 =0 R9 =0 R10=72 R11=0 R12=79 R13=30 R14=60 R15=0

Photo Parameters:

Flux = 44.67 lm Eff. : 19.81 lm/W $P_e = 229.9$ mW

Electrical parameters:

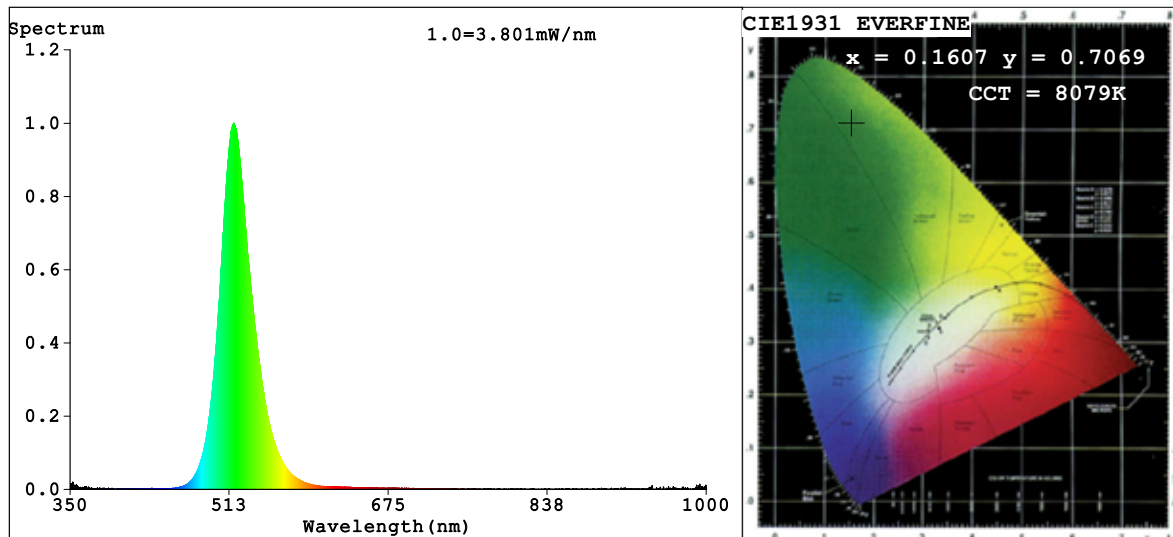
V = 11.998 V I = 0.1879 A P = 2.254 W PF = 1.000

Status: Integral T = 2000 ms $I_p = 34028$ (52%)

Model: Ecoled Esmeralda rojo
 Tester: Sergio Carneros
 Temperature: 21Deg
 Manufacturer: Luz Negra S.L

Number: 30.015
 Date: 01-06-2026
 Humidity: 57%
 Remarks: 100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1607$ $y=0.7069$ $u'=0.0576$ $v'=0.5700$

CCT=8079K(Duv=0.1580) Dominant WL:Ld =523.7nm Purity=75.2%

Ratio:R=0.5% G=96.4% B=3.2%; Peak WL:Lp=517.3nm FWHM=34.9nm

Render Index:Ra=0.0 CRI=3.0 TM30:Rf=1 Rg=10

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=42 R15=0

Photo Parameters:

Flux = 71.62 lm Eff. : 38.97 lm/W Fe = 157.2 mW

Electrical parameters:

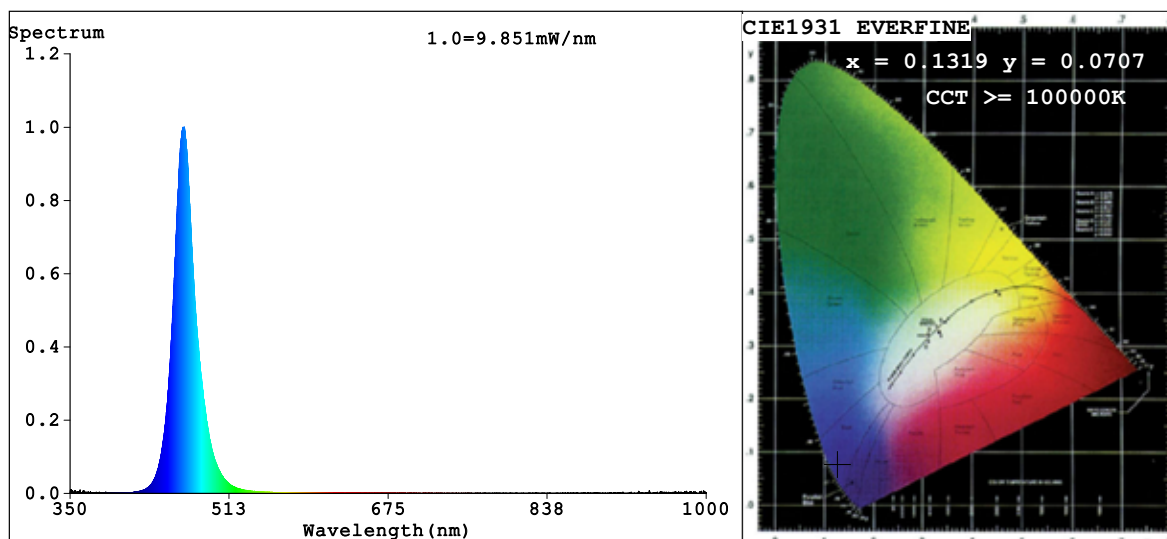
V = 11.998 V I = 0.1532 A P = 1.838 W PF = 1.000

Status: Integral T = 5000 ms Ip = 40076 (61%)

Model:Ecoled Esmeralda verde
 Tester:Sergio Carneros
 Temperature:21Deg
 Manufacturer:Luz Negra S.L

Number: 30.015
 Date:01-06-2026
 Humidity:57%
 Remarks:100cm de tira flexible

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1319$ $y=0.0707$ $u'=0.1472$ $v'=0.1776$
 CCT=100000K(Duv=0.1513) Dominant WL:Ld =470.3nm Purity=95.9%
 Ratio:R=0.7% G=19.4% B=80.0%;;Peak WL:Lp=466.6nm FWHM=23.1nm
 Render Index:Ra=0.9 CRI=0.5 TM30:Rf=0 Rg=-79
 R1 =0 R2 =0 R3 =0 R4 =0 R5 =7 R6 =0 R7 =0
 R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=3

Photo Parameters:

Flux = 21.34 lm Eff. : 10.71 lm/W Fe = 281.9 mW

Electrical parameters:

V = 11.998 V I = 0.1660 A P = 1.992 W PF = 1.000

Status: Integral T = 2000 ms Ip = 35264 (54%)

Model:Ecoled Esmeralda azul
 Tester:Sergio Carneros
 Temperature:21Deg
 Manufacturer:Luz Negra S.L

Number: 30.015
 Date:01-06-2026
 Humidity:57%
 Remarks:100cm de tira flexible