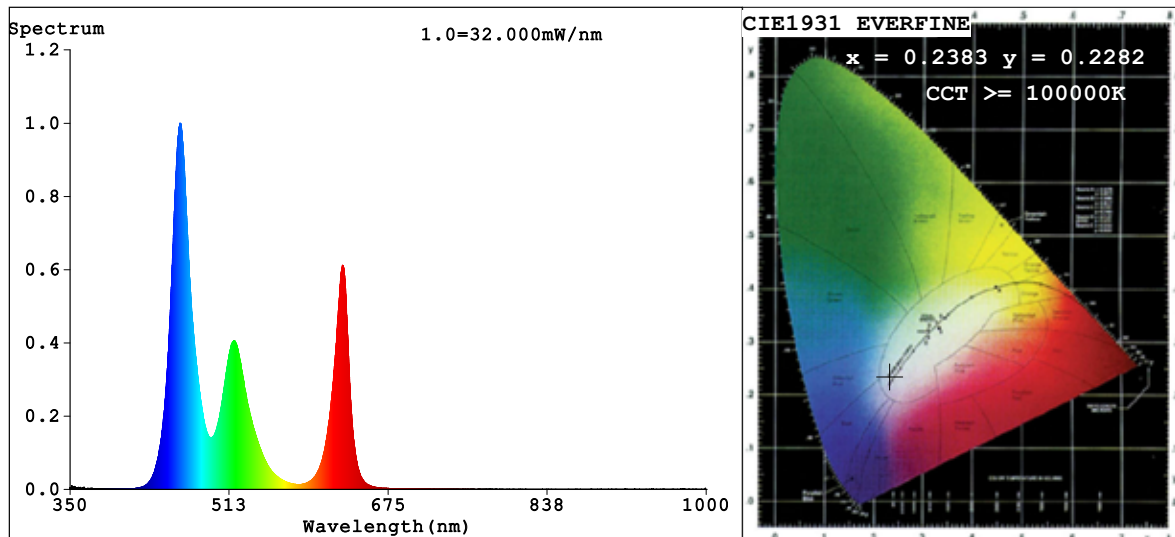


## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.2383$   $y=0.2282$   $u'=0.1812$   $v'=0.3904$   
 CCT=100000K (Duv=-0.0057) Dominant WL:  $\lambda_d = 474.9\text{nm}$  Purity=42.5%  
 Ratio: R=23.1% G=62.4% B=14.5%; Peak WL:  $\lambda_p = 462.5\text{nm}$  FWHM=21.4nm  
 Render Index: Ra=41.4 CRI=37.1 TM30: Rf=41 Rg=115  
 R1 =21 R2 =47 R3 =68 R4 =46 R5 =45 R6 =47 R7 =57  
 R8 =0 R9 =0 R10=0 R11=35 R12=53 R13=23 R14=77 R15=2

### Photo Parameters:

Flux = 351.6 lm Eff. : 27.74 lm/W  $\Phi_e$  = 1.689 W

### Electrical parameters:

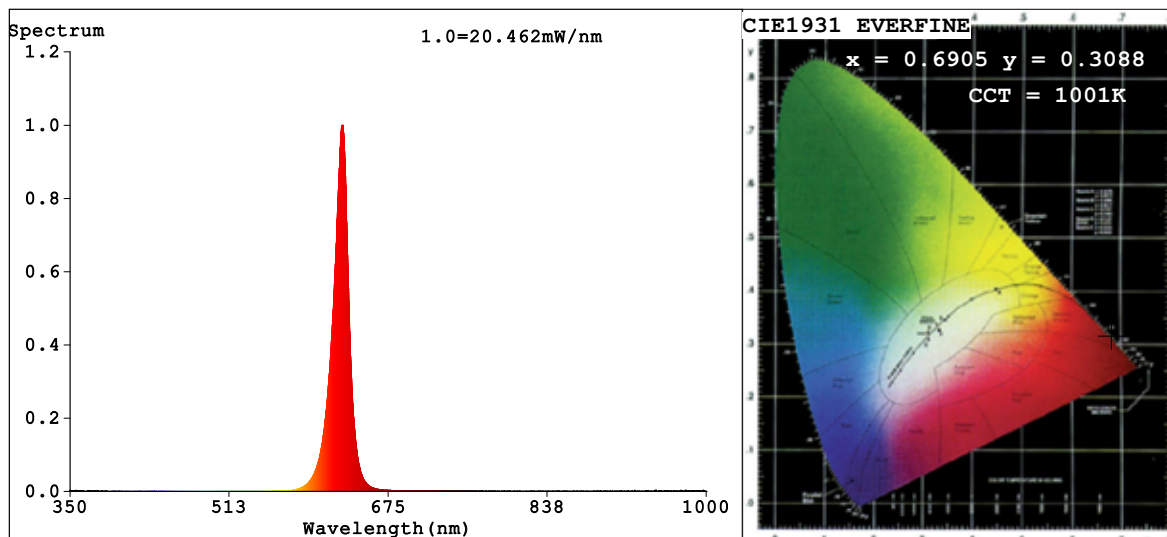
V = 11.998 V I = 1.056 A P = 12.68 W PF = 1.000

Status: Integral T = 883 ms  $I_p$  = 49723 (76%)

Model: Ecolde Ágata Blanco  
 Tester: Sergio Carneros  
 Temperature: 21Deg  
 Manufacturer: Luz Negra S.L

Number: 30.016  
 Date: 1-6-2026  
 Humidity: 70.0%  
 Remarks: 100cm de tira flexible

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.6905$   $y=0.3088$   $u'=0.5187$   $v'=0.5220$   
 CCT=1001K (Duv=-0.0711) Dominant WL:  $\lambda_d = 619.7\text{nm}$  Purity=99.9%  
 Ratio: R=95.4% G=4.6% B=0.0%; Peak WL:  $\lambda_p = 628.6\text{nm}$  FWHM=16.1nm  
 Render Index: Ra=26.4 CRI=32.2 TM30: Rf=5 Rg=-1  
 R1 =7 R2 =78 R3 =30 R4 =0 R5 =1 R6 =90 R7 =5  
 R8 =0 R9 =0 R10=72 R11=0 R12=79 R13=30 R14=60 R15=0

### Photo Parameters:

Flux = 89.06 lm Eff. : 20.15 lm/W  $\Phi_e$  = 408.6 mW

### Electrical parameters:

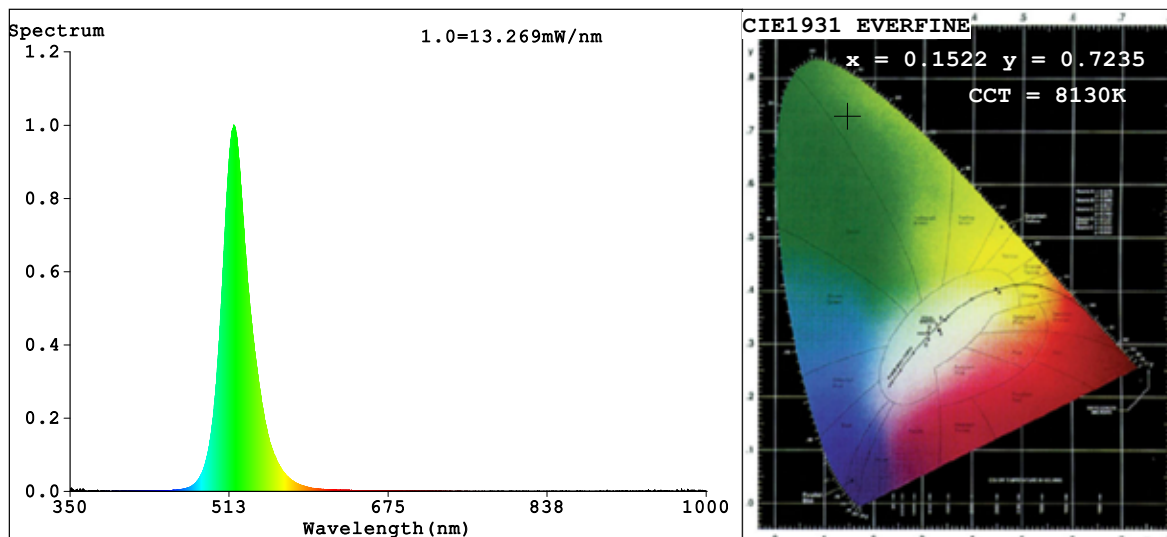
V = 11.998 V I = 0.3684 A P = 4.420 W PF = 1.000

Status: Integral T = 1558 ms  $I_p$  = 49627 (76%)

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

Number: 30.016  
 Date: 01-06-2026  
 Humidity: 70.0%  
 Remarks: 100cm de tira flexible

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.1522$   $y=0.7235$   $u'=0.0535$   $v'=0.5723$   
 CCT=8130K (Duv=0.1623) Dominant WL:  $\lambda_d = 523.6\text{nm}$  Purity=78.5%  
 Ratio: R=0.3% G=97.3% B=2.3%; Peak WL:  $\lambda_p = 517.3\text{nm}$  FWHM=29.5nm  
 Render Index: Ra=0.0 CRI=2.7 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=38 R15=0

### Photo Parameters:

Flux = 220.8 lm Eff. : 50.20 lm/W Fe = 475.9 mW

### Electrical parameters:

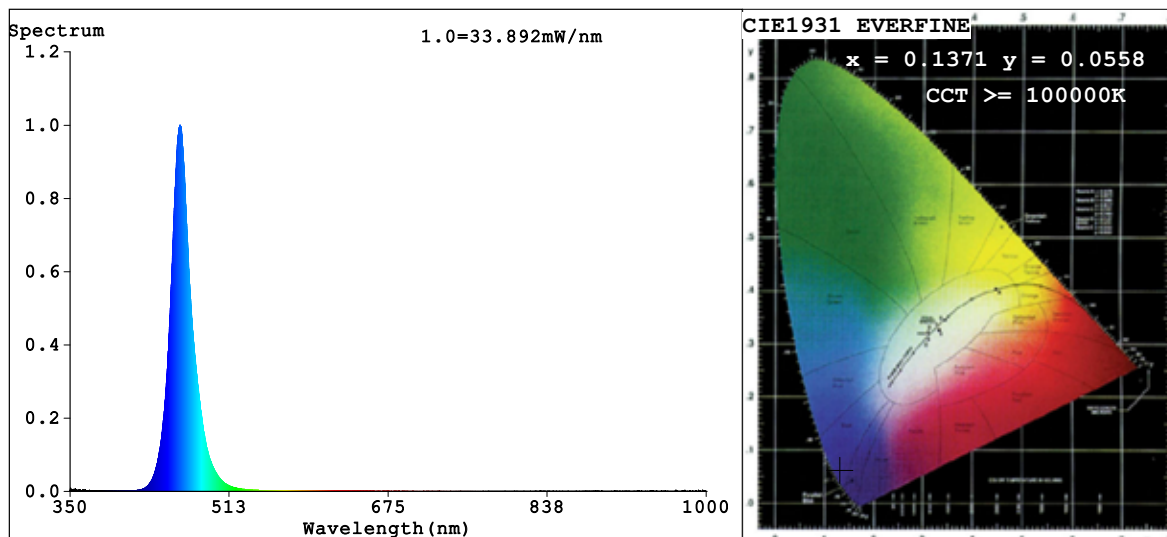
V = 11.998 V I = 0.3666 A P = 4.398 W PF = 1.000

Status: Integral T = 1558 ms Ip = 43596 (67%)

Model: Ecolde Ágata verde  
 Tester: Sergio Carneros  
 Temperature: 21Deg  
 Manufacturer: Luz Negra S.L

Number: 30.016  
 Date: 01-06-2026  
 Humidity: 70.0%  
 Remarks: 100cm de tira flexible

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.1371$   $y=0.0558$   $u'=0.1615$   $v'=0.1478$   
 CCT=100000K(Duv=0.1685) Dominant WL:Ld =467.3nm Purity=96.9%  
 Ratio:R=0.6% G=15.4% B=84.1%; Peak WL:Lp=462.5nm FWHM=21.2nm  
 Render Index:Ra=0.6 CRI=0.3 TM30:Rf=0 Rg=-111  
 R1 =0 R2 =0 R3 =0 R4 =0 R5 =5 R6 =0 R7 =0  
 R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=2

### Photo Parameters:

Flux = 57.50 lm Eff. : 12.70 lm/W Fe = 893.5 mW

### Electrical parameters:

V = 11.998 V I = 0.3773 A P = 4.527 W PF = 1.000

Status: Integral T = 779 ms Ip = 46459 (71%)

Model:Ecoled Ágata Azul  
 Tester:Sergio Carneros  
 Temperature:21Deg  
 Manufacturer:Luz Negra S.L

Number: 30.016  
 Date:01-06-2026  
 Humidity:70.0%  
 Remarks:100cm de tira flexible