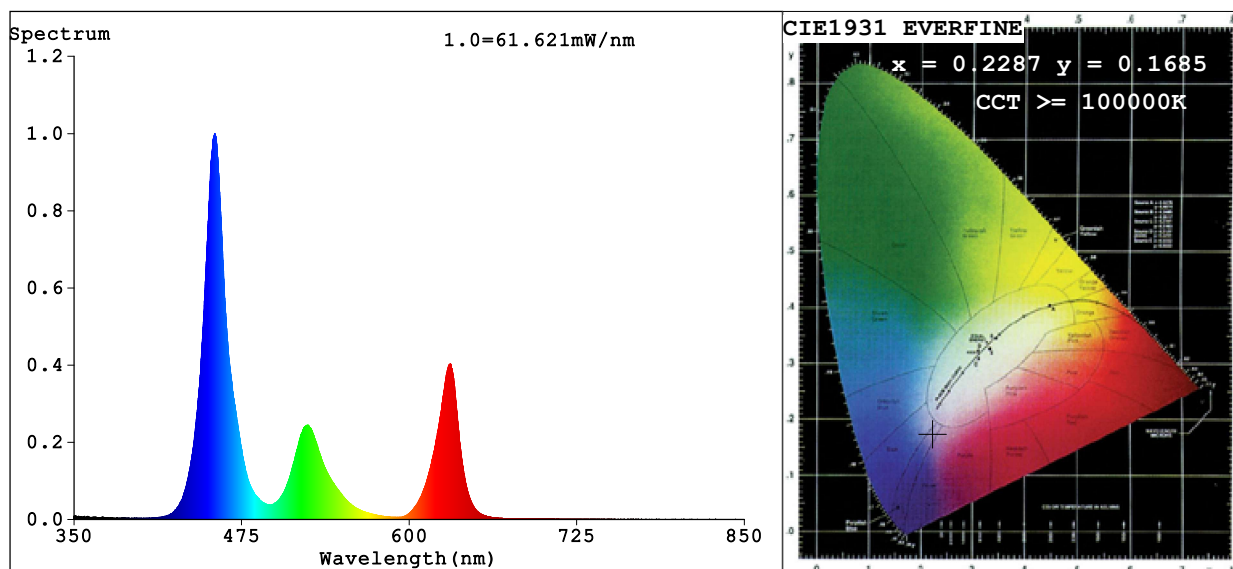


## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.2287$   $y=0.1685$   $u'=0.2004$   $v'=0.3323$   
CCT=100000K (Duv=-0.0486) Dominant WL:  $\lambda_d = 461.3\text{nm}$  Purity=54.7%  
Ratio: R=24.7% G=61.9% B=13.4% ; Peak WL:  $\lambda_p = 455.0\text{nm}$  FWHM=17.3nm  
Render Index: Ra=43.4 CRI=37.4 TM30: Rf=36 Rg=147  
R1 =11 R2 =41 R3 =89 R4 =49 R5 =39 R6 =46 R7 =72  
R8 =0 R9 =0 R10=0 R11=33 R12=47 R13=12 R14=86 R15=0

### Photo Parameters:

Flux = 425.7 lm Eff. : 31.11 lm/W Fe = 2.429 W

### Electrical parameters:

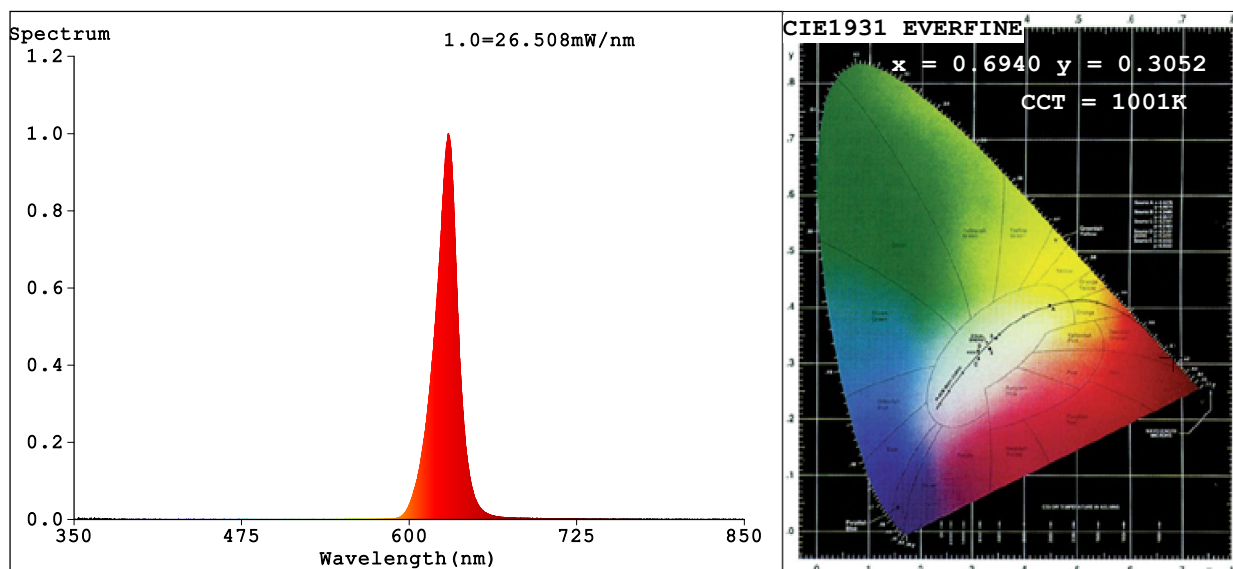
V = 23.998 V I = 0.5703 A P = 13.69 W PF = 1.000

Status: Integral T = 514 ms Ip = 43164 (66%)

Model: Ecoled Roll to roll  
Tester: Sergio Carneros  
Temperature: 20Deg  
Manufacturer: Luz Negra

Number: 31.260 (R+G+B)  
Date: 2025-06-17 08:15:15  
Humidity: 50%  
Remarks: 100cm de tira flexible

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.6940$   $y=0.3052$   $u'=0.5263$   $v'=0.5208$   
CCT=1001K (Duv=-0.0788) Dominant WL:Ld =621.7nm Purity=99.8%  
Ratio:R=98.1% G=1.9% B=0.0%; Peak WL:Lp=629.3nm FWHM=17.4nm  
Render Index:Ra=24.9 CRI=31.2 TM30:Rf=4 Rg=-1  
R1 =4 R2 =79 R3 =26 R4 =0 R5 =0 R6 =91 R7 =0  
R8 =0 R9 =0 R10=73 R11=0 R12=79 R13=29 R14=57 R15=0

### Photo Parameters:

Flux = 114.6 lm Eff. : 19.71 lm/W Fe = 553.2 mW

### Electrical parameters:

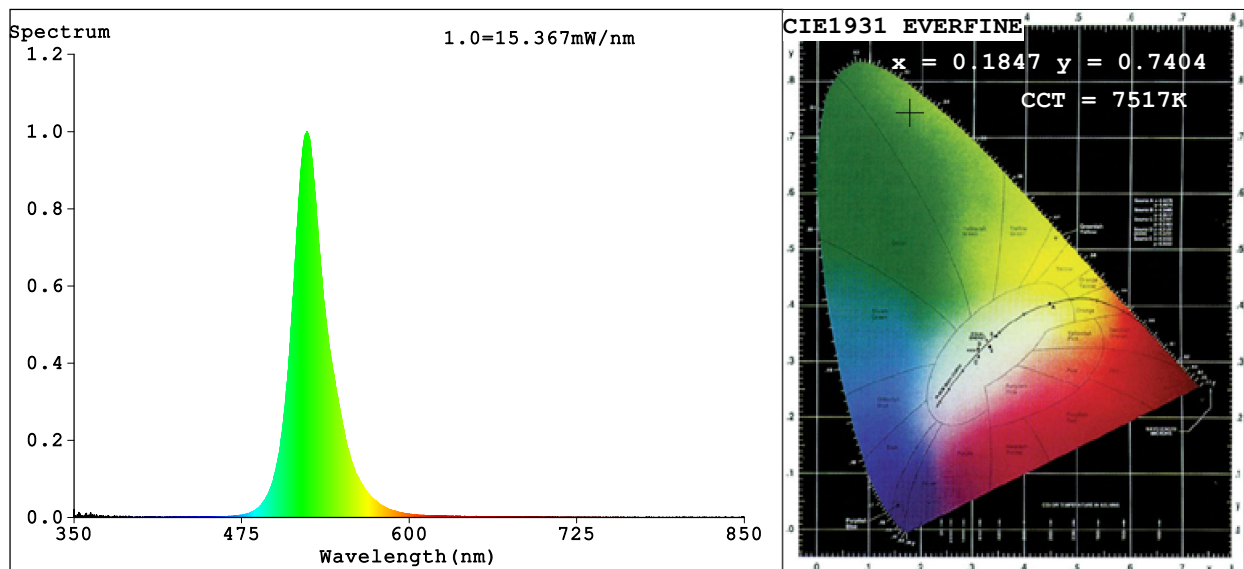
V = 23.998 V I = 0.2422 A P = 5.812 W PF = 1.000

Status: Integral T = 1070 ms Ip = 49312 (75%)

Model:Ecoled Roll to roll  
Tester:Sergio Carneros  
Temperature:20Deg  
Manufacturer:Luz Negra

Number: 31.260 (R)  
Date:2025-06-17 08:16:19  
Humidity:50%  
Remarks:100cm de tira flexible

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.1847$   $y=0.7404$   $u'=0.0642$   $v'=0.5787$

CCT=7517K (Duv=0.1553) Dominant WL:Ld =531.0nm Purity=87.0%

Ratio:R=0.3% G=98.8% B=0.8%; Peak WL:Lp=523.7nm FWHM=26.2nm

Render Index:Ra=0.0 CRI=2.5 TM30:Rf=0 Rg=6

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=35 R15=0

### Photo Parameters:

Flux = 263.7 lm Eff. : 95.22 lm/W Fe = 505.3 mW

### Electrical parameters:

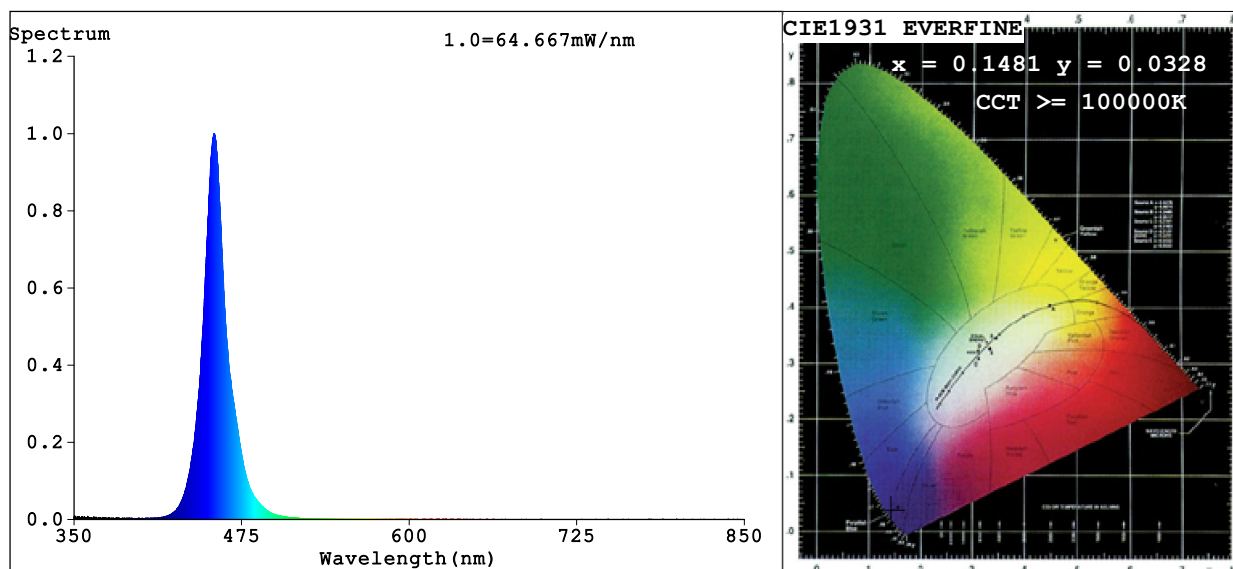
V = 23.998 V I = 0.1154 A P = 2.769 W PF = 1.000

Status: Integral T = 1070 ms Ip = 34730 (53%)

Model:Ecoled Roll to roll  
Tester:Sergio Carneros  
Temperature:20Deg  
Manufacturer:Luz Negra

Number: 31.260 (G)  
Date:2025-06-17 08:16:47  
Humidity:50%  
Remarks:100cm de tira flexible

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.1481$   $y=0.0328$   $u'=0.1913$   $v'=0.0952$   
 CCT=100000K (Duv=-0.2028) Dominant WL:Ld =459.1nm Purity=98.5%  
 Ratio:R=0.5% G=9.1% B=90.4%; Peak WL:Lp=454.6nm FWHM=17.1nm  
 Render Index:Ra=0.2 CRI=0.1 TM30:Rf=0 Rg=18  
 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 = 61.73 lm Eff. : 11.90 lm/W Fe = 1.450 W

### Electrical parameters:

V = 23.998 V I = 0.2162 A P = 5.188 W PF = 1.000

Status: Integral T = 535 ms Ip = 46896 (72%)

Model:Ecoled Roll to roll  
 Tester:Sergio Carneros  
 Temperature:20Deg  
 Manufacturer:Luz Negra

Number: 31.260 (B)  
 Date:2025-06-17 08:17:08  
 Humidity:50%  
 Remarks:100cm de tira flexible