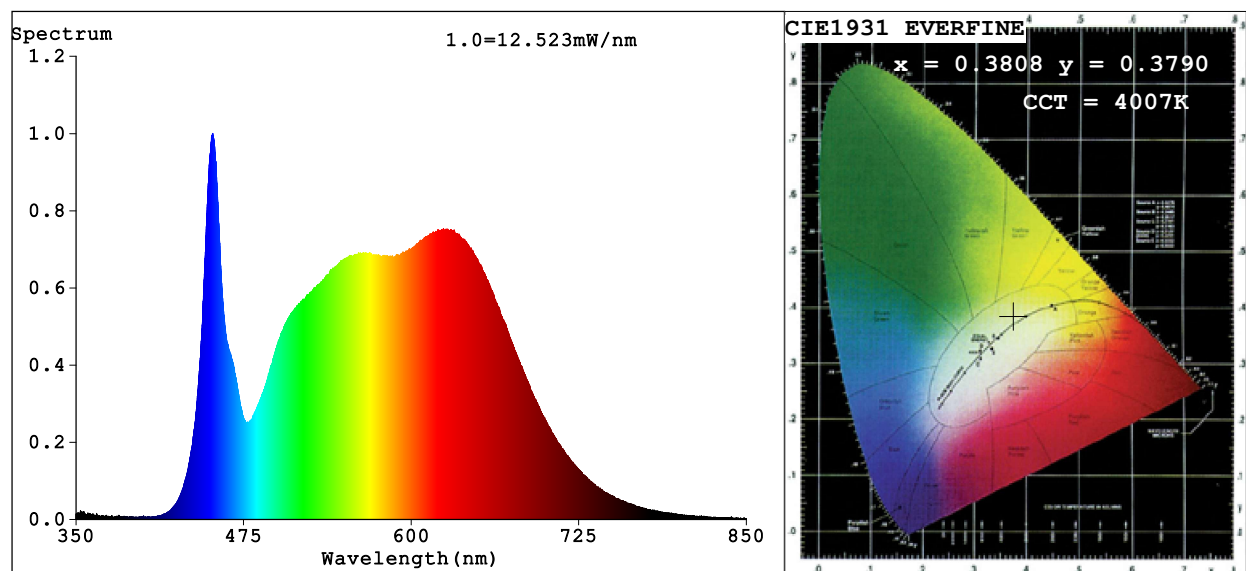


## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3808$   $y=0.3790$   $u'=0.2244$   $v'=0.5026$

CCT=4007K (Duv=0.0010) Dominant WL:Ld =578.5nm Purity=28.0%

Ratio:R=19.7% G=76.3% B=4.0%; Peak WL:Lp=451.9nm FWHM=17.1nm

Render Index:Ra=93.5 CRI=90.2 TM30:Rf=91 Rg=100

R1 =94 R2 =95 R3 =93 R4 =94 R5 =93 R6 =91 R7 =97

R8 =92 R9 =77 R10=86 R11=93 R12=69 R13=94 R14=96 R15=93

### Photo Parameters:

Flux = 584.3 lm Eff. : 85.66 lm/W Fe = 2.034 W

### Electrical parameters:

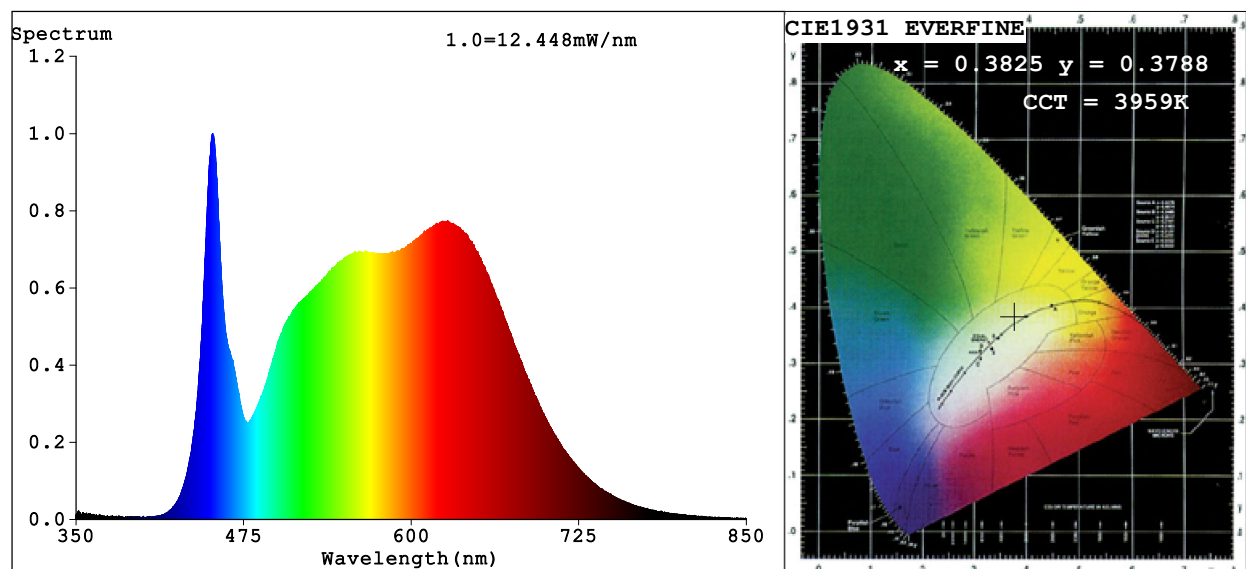
V = 47.998 V I = 0.1421 A P = 6.821 W PF = 1.000

Status: Integral T = 2000 ms Ip = 34477 (53%)

Model:Trazzo spot 43  
Tester:Sergio Carneros  
Temperature:20Deg  
Manufacturer:Luz Negra

Number:4000k Negro.  
Date:2026-02-18 09:02:13  
Humidity:50%  
Remarks:1 unidad

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3825$   $y=0.3788$   $u'=0.2257$   $v'=0.5028$

CCT=3959K (Duv=0.0003) Dominant WL:Ld =579.0nm Purity=28.5%

Ratio:R=20.0% G=76.1% B=3.9%; Peak WL:Lp=451.9nm FWHM=17.2nm

Render Index:Ra=93.9 CRI=90.8 TM30:Rf=92 Rg=101

R1 =95 R2 =95 R3 =93 R4 =95 R5 =93 R6 =91 R7 =97

R8 =92 R9 =79 R10=87 R11=94 R12=70 R13=95 R14=96 R15=94

### Photo Parameters:

Flux = 586.2 lm Eff. : 85.94 lm/W Fe = 2.049 W

### Electrical parameters:

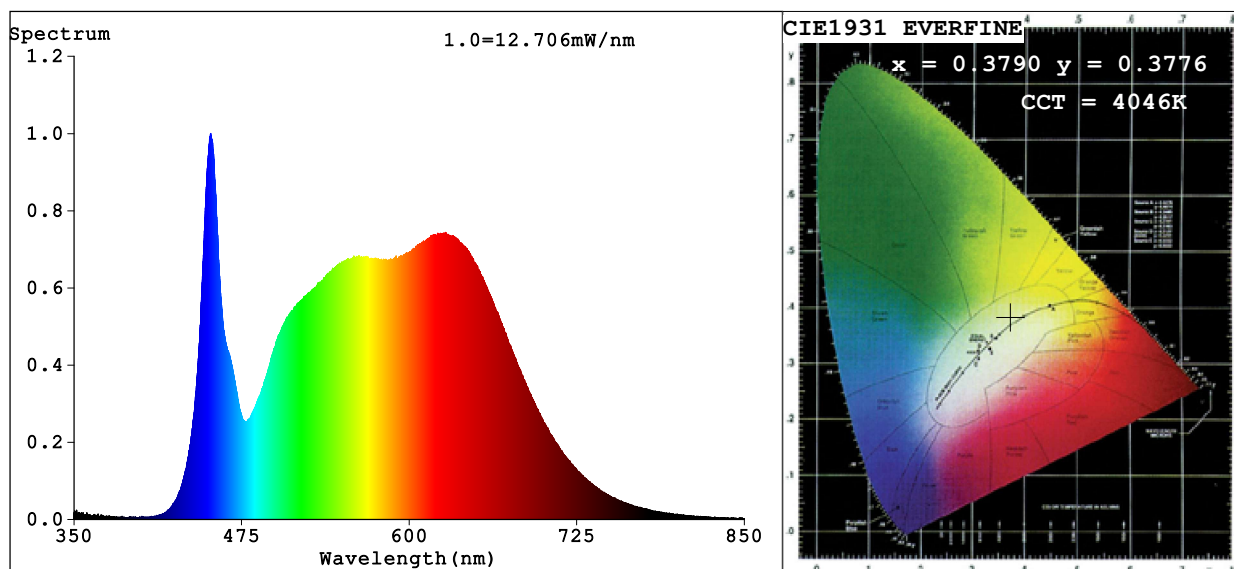
V = 47.998 V I = 0.1421 A P = 6.821 W PF = 1.000

Status: Integral T = 2000 ms Ip = 34492 (53%)

Model:Trazzo spot 43  
Tester:Sergio Carneros  
Temperature:20Deg  
Manufacturer:Luz Negra

Number:4000k Rojo oscuro  
Date:2026-02-18 09:04:49  
Humidity:50%  
Remarks:1 unidad

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3790$   $y=0.3776$   $u'=0.2238$   $v'=0.5017$

$CCT=4046K$  ( $Duv=0.0008$ ) Dominant WL:Ld =578.5nm Purity=27.0%

Ratio:R=19.7% G=76.3% B=4.0%; Peak WL:Lp=451.9nm FWHM=17.5nm

Render Index:Ra=93.8 CRI=90.5 TM30:Rf=92 Rg=100

R1 =94 R2 =95 R3 =93 R4 =94 R5 =93 R6 =91 R7 =97

R8 =92 R9 =78 R10=87 R11=93 R12=69 R13=94 R14=96 R15=93

### Photo Parameters:

Flux = 586.9 lm Eff. : 86.23 lm/W Fe = 2.048 W

### Electrical parameters:

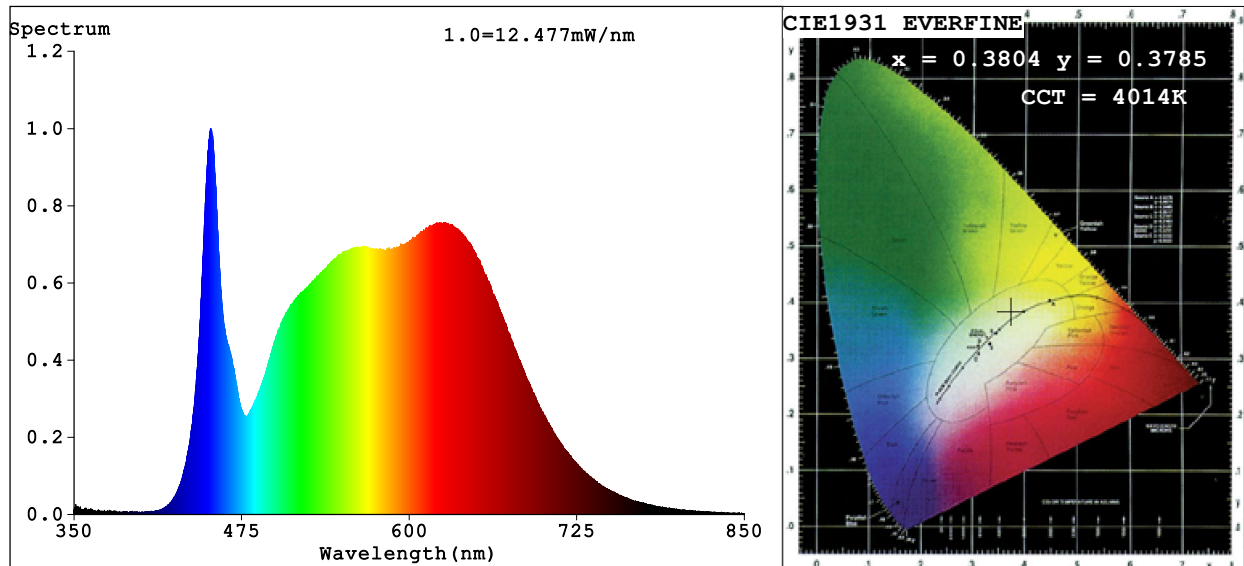
V = 47.998 V I = 0.1418 A P = 6.806 W PF = 1.000

Status: Integral T = 2000 ms Ip = 34584 (53%)

Model:Trazzo spot 43  
 Tester:Sergio Carneros  
 Temperature:20Deg  
 Manufacturer:Luz Negra

Number:4000k Azul mate  
 Date:2026-02-18 09:08:28  
 Humidity:50%  
 Remarks:1 unidad

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3804$   $y=0.3785$   $u'=0.2244$   $v'=0.5024$

CCT=4014K (Duv=0.0008) Dominant WL:Ld =578.6nm Purity=27.8%

Ratio:R=19.7% G=76.3% B=4.0%; Peak WL:Lp=451.9nm FWHM=17.6nm

Render Index:Ra=93.6 CRI=90.3 TM30:Rf=91 Rg=100

R1 =94 R2 =95 R3 =93 R4 =94 R5 =93 R6 =91 R7 =97

R8 =92 R9 =77 R10=86 R11=93 R12=69 R13=94 R14=96 R15=93

### Photo Parameters:

Flux = 585.5 lm Eff. : 85.91 lm/W Fe = 2.042 W

### Electrical parameters:

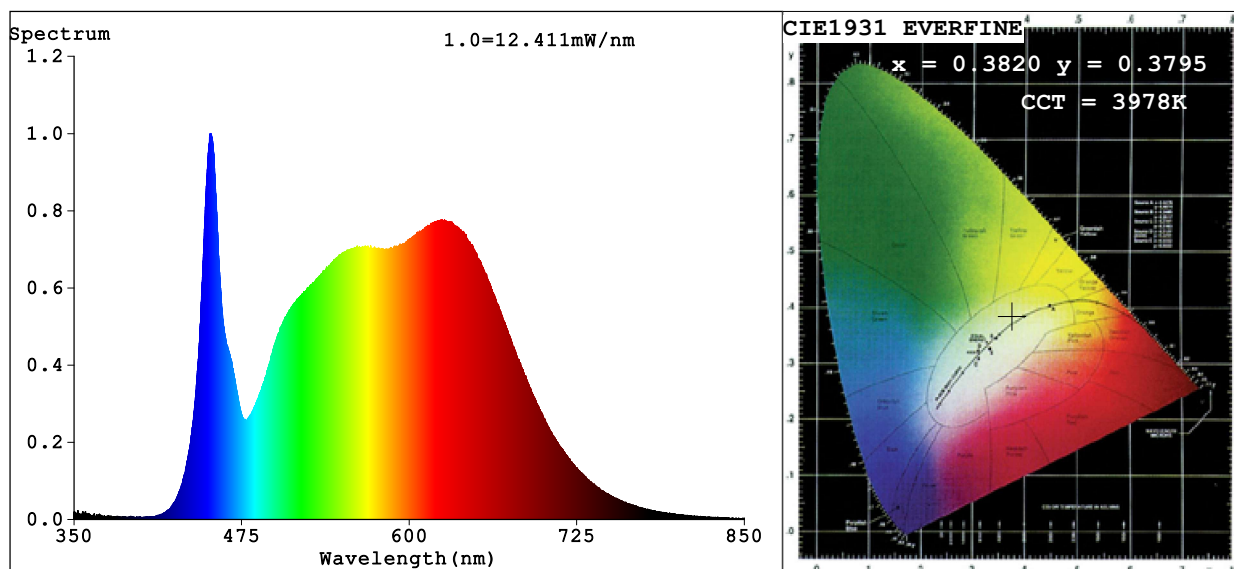
V = 47.998 V I = 0.1420 A P = 6.816 W PF = 1.000

Status: Integral T = 2000 ms Ip = 34583 (53%)

Model:Trazzo spot 43  
Tester:Sergio Carneros  
Temperature:20Deg  
Manufacturer:Luz Negra

Number:4000k Gris mate  
Date:2026-02-18 09:09:21  
Humidity:50%  
Remarks:1 unidad

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3820$   $y=0.3795$   $u'=0.2251$   $v'=0.5030$

CCT=3978K (Duv=0.0008) Dominant WL:Ld =578.7nm Purity=28.6%

Ratio:R=19.8% G=76.2% B=3.9%; Peak WL:Lp=451.6nm FWHM=17.8nm

Render Index:Ra=93.5 CRI=90.2 TM30:Rf=91 Rg=100

R1 =94 R2 =95 R3 =93 R4 =94 R5 =93 R6 =91 R7 =97

R8 =91 R9 =77 R10=86 R11=93 R12=69 R13=94 R14=96 R15=93

### Photo Parameters:

Flux = 593.9 lm Eff. : 87.26 lm/W Fe = 2.068 W

### Electrical parameters:

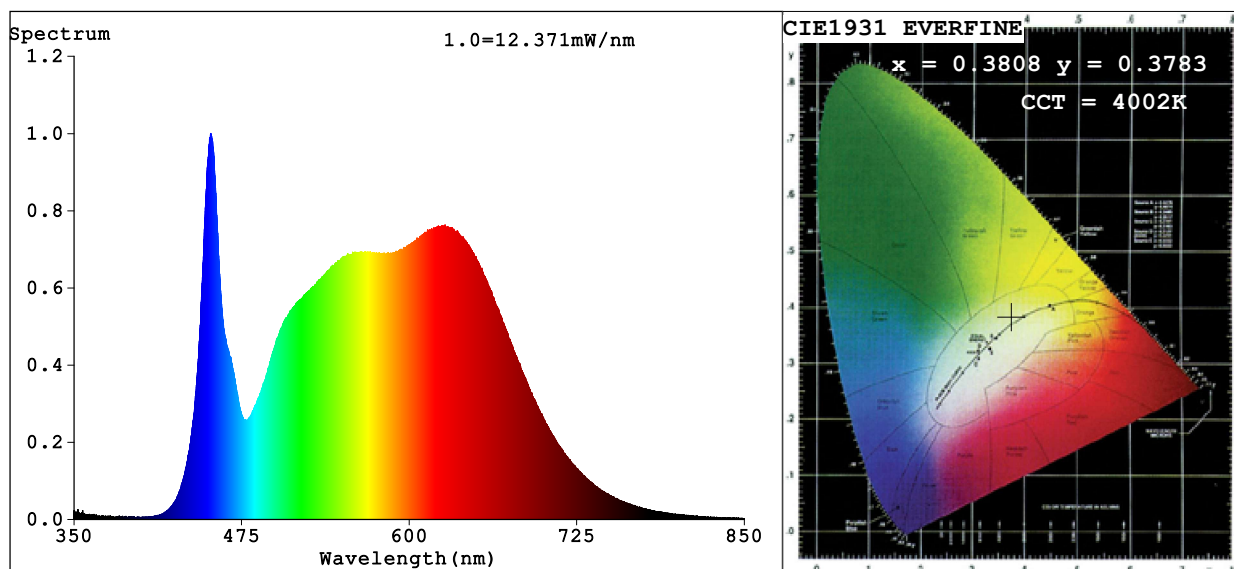
V = 47.998 V I = 0.1418 A P = 6.806 W PF = 1.000

Status: Integral T = 2000 ms Ip = 35033 (53%)

Model:Trazzo spot 43  
 Tester:Sergio Carneros  
 Temperature:20Deg  
 Manufacturer:Luz Negra

Number:4000k Oro mate  
 Date:2026-02-18 09:10:46  
 Humidity:50%  
 Remarks:1 unidad

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3808$   $y=0.3783$   $u'=0.2247$   $v'=0.5023$

CCT=4002K (Duv=0.0006) Dominant WL:Ld =578.7nm Purity=27.8%

Ratio:R=19.8% G=76.2% B=4.0%; Peak WL:Lp=451.9nm FWHM=17.6nm

Render Index:Ra=93.7 CRI=90.5 TM30:Rf=91 Rg=100

R1 =94 R2 =95 R3 =93 R4 =94 R5 =93 R6 =91 R7 =97

R8 =92 R9 =78 R10=87 R11=93 R12=69 R13=94 R14=96 R15=93

### Photo Parameters:

Flux = 581.9 lm Eff. : 85.31 lm/W Fe = 2.031 W

### Electrical parameters:

V = 47.998 V I = 0.1421 A P = 6.821 W PF = 1.000

Status: Integral T = 2000 ms Ip = 34304 (52%)

Model:Trazzo spot 43  
 Tester:Sergio Carneros  
 Temperature:20Deg  
 Manufacturer:Luz Negra

Number:4000k Burdeos  
 Date:2026-02-18 09:11:33  
 Humidity:50%  
 Remarks:1 unidad