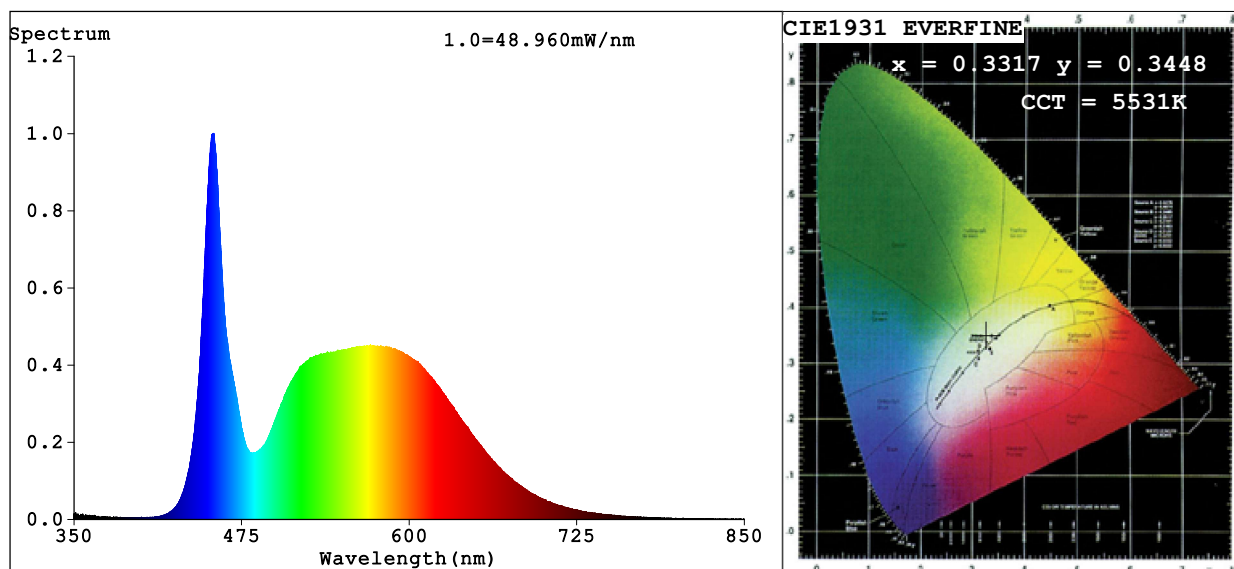


## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3317$   $y=0.3448$   $u'=0.2050$   $v'=0.4793$

CCT=5531K (Duv=0.0022) Dominant WL:Ld =547.0nm Purity=3.0%

Ratio:R=14.9% G=80.3% B=4.8%; Peak WL:Lp=454.0nm FWHM=17.8nm

Render Index:Ra=83.5 CRI=76.3 TM30:Rf=81 Rg=95

R1 =82 R2 =89 R3 =91 R4 =83 R5 =82 R6 =83 R7 =88

R8 =70 R9 =14 R10=71 R11=81 R12=54 R13=84 R14=95 R15=78

### Photo Parameters:

Flux = 1429 lm Eff. : 112.44 lm/W Fe = 4.518 W

### Electrical parameters:

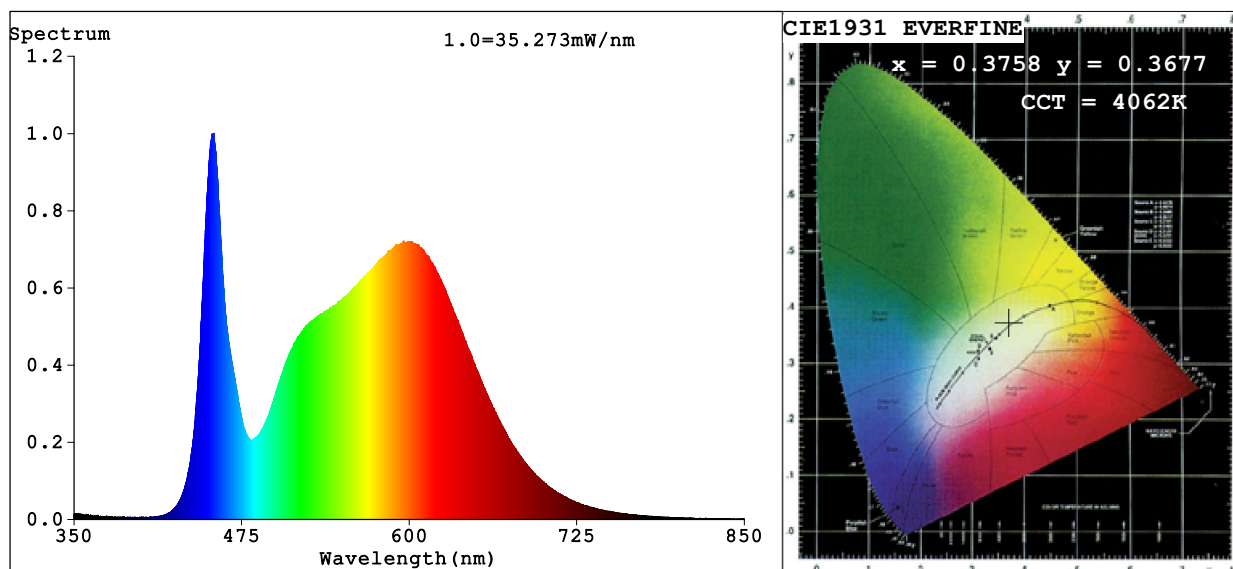
V = 230.09 V I = 0.05817 A P = 12.71 W PF = 0.9495

Status: Integral T = 672 ms Ip = 33500 (51%)

Model:Kiss Y  
Tester:Alejandro Hervas  
Temperature:20Deg  
Manufacturer:Luz Negra

Number:89.102 (CW)  
Date:2026-02-23 08:51:09  
Humidity:50%  
Remarks:Luminaria Completa

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3758$   $y=0.3677$   $u'=0.2257$   $v'=0.4968$

CCT=4062K (Duv=-0.0029) Dominant WL:Ld =580.7nm Purity=23.1%

Ratio:R=18.8% G=77.3% B=3.8%; Peak WL:Lp=454.2nm FWHM=19.3nm

Render Index:Ra=85.8 CRI=80.0 TM30:Rf=83 Rg=97

R1 =86 R2 =92 R3 =95 R4 =84 R5 =85 R6 =88 R7 =87

R8 =70 R9 =24 R10=80 R11=84 R12=61 R13=88 R14=98 R15=81

### Photo Parameters:

Flux = 1465 lm Eff. : 119.50 lm/W Fe = 4.572 W

### Electrical parameters:

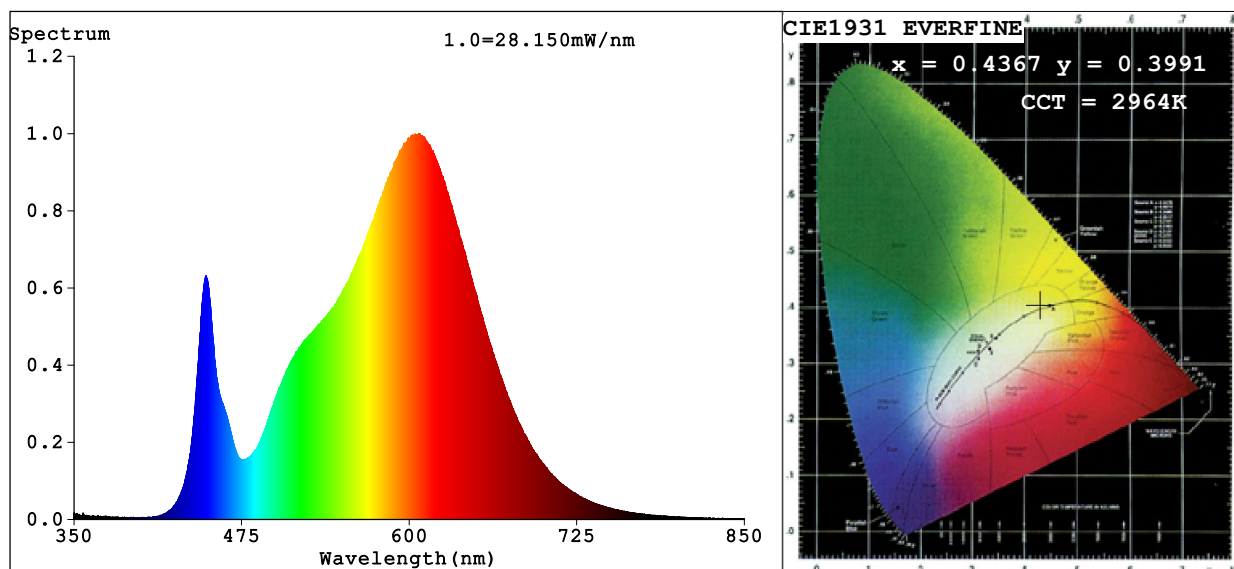
V = 230.11 V I = 0.05638 A P = 12.26 W PF = 0.9449

Status: Integral T = 1229 ms Ip = 50072 (76%)

Model:Kiss Y  
Tester:Alejandro Hervas  
Temperature:20Deg  
Manufacturer:Luz Negra

Number:89.102 (NW)  
Date:2026-02-23 08:51:48  
Humidity:50%  
Remarks:Luminaria Completa

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4367$   $y=0.3991$   $u'=0.2526$   $v'=0.5194$

CCT=2964K (Duv=-0.0019) Dominant WL:Ld =583.7nm Purity=50.9%

Ratio:R=23.4% G=74.1% B=2.4%; Peak WL:Lp=607.2nm FWHM=125.2nm

Render Index:Ra=83.3 CRI=78.1 TM30:Rf=81 Rg=98

R1 =82 R2 =91 R3 =96 R4 =82 R5 =82 R6 =89 R7 =83

R8 =60 R9 =10 R10=80 R11=82 R12=73 R13=84 R14=99 R15=75

### Photo Parameters:

Flux = 1346 lm Eff. : 105.97 lm/W Fe = 4.127 W

### Electrical parameters:

V = 230.10 V I = 0.05810 A P = 12.70 W PF = 0.9503

Status: Integral T = 1229 ms Ip = 53898 (82%)

Model:Kiss Y  
Tester:Alejandro Hervas  
Temperature:20Deg  
Manufacturer:Luz Negra

Number:89.102 (WW)  
Date:2026-02-23 08:52:41  
Humidity:50%  
Remarks:Luminaria Completa