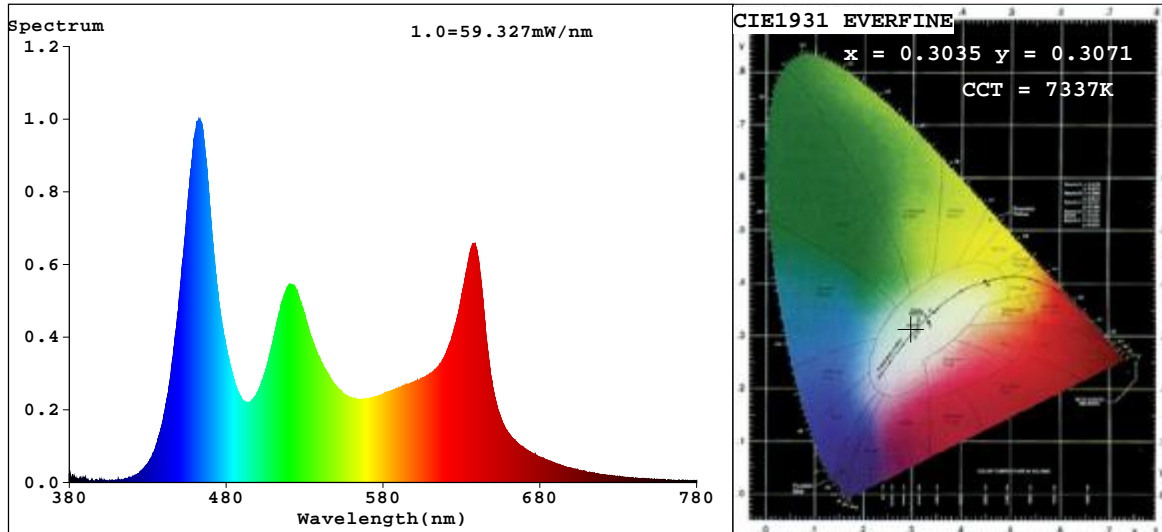


Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3035$ $y=0.3071$ / $u'=0.1997$ $v'=0.4547$
 CCT=7337K (Duv=-0.0035) Dominant WL:Ld =479.1nm Purity=12.5%
 Ratio:R=19.0% G=73.0% B=8.0% Peak WL:Lp=462.7nm FWHM=25.5nm
 Render Index:Ra=76.7
 R1 =68 R2 =82 R3 =94 R4 =75 R5 =75 R6 =79 R7 =84
 R8 =59 R9 =0 R10=62 R11=68 R12=68 R13=69 R14=93 R15=61

Photo Parameters:

Flux = 1415 lm Eff. : 54.05 lm/W Fe = 5.385 W Scotopic:3923.4 S/P:2.7722
 Photosynthetic:PPF:24.04umol/m2/s PAR WATT:5308.4mW/m2(400-700nm)

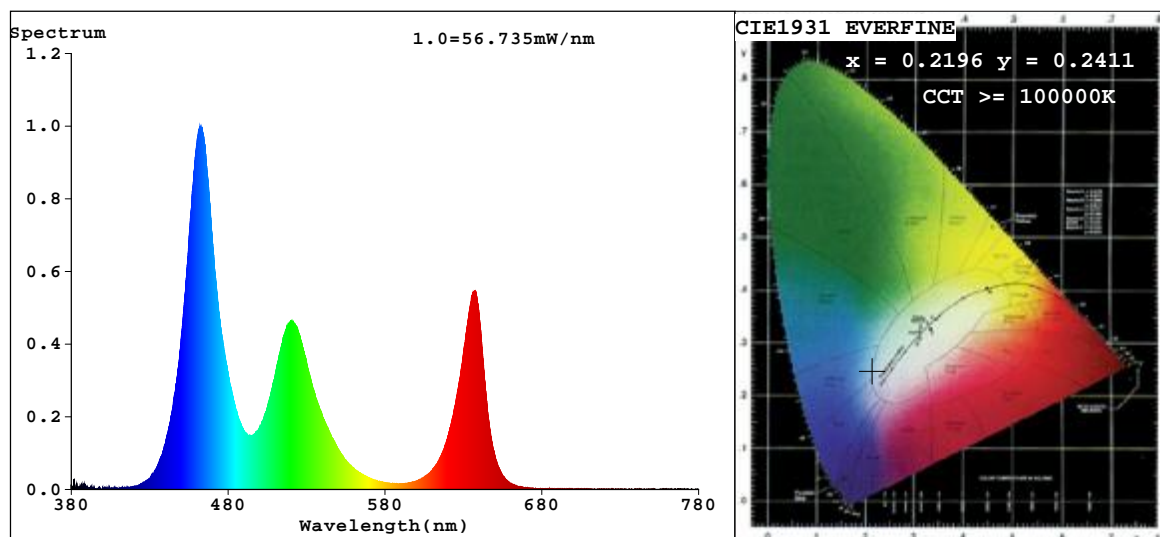
Electrical parameters:

V = 23.998 V I = 1.091 A P = 26.18 W PF = 1.000
 LEVEL:OUT WHITE:OUT

Status: Integral T = 126 ms Ip = 39455 (60%)

Model:120D 24V 26W RGB3000K	Number:304
Tester:	Date:2021-06-28
Temperature:26DegDeg	Humidity:65%
Manufacturer:	Remarks:R681 GB561 W361 12383-02

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.2196$ $y=0.2411$ / $u'=0.1610$ $v'=0.3979$
 CCT=100000K (Duv=0.0196) Dominant WL: $\lambda_d = 480.3\text{nm}$ Purity=46.8%
 Ratio: R=16.0% G=70.6% B=13.4% Peak WL: $\lambda_p = 462.1\text{nm}$ FWHM=22.0nm
 Render Index: Ra=68.3
 R1 =64 R2 =73 R3 =81 R4 =83 R5 =80 R6 =73 R7 =66
 R8 =26 R9 =0 R10=39 R11=69 R12=65 R13=59 R14=86 R15=40

Photo Parameters:

Flux = 685.5 lm Eff. : 41.08 lm/W $F_e = 3.196$ W Scotopic: 2946.1 S/P: 4.2978
 Photosynthetic: PPF: 13.814 $\mu\text{mol}/\text{m}^2/\text{s}$ PAR WATT: 3188.5 mW/m^2 (400-700nm)

Electrical parameters:

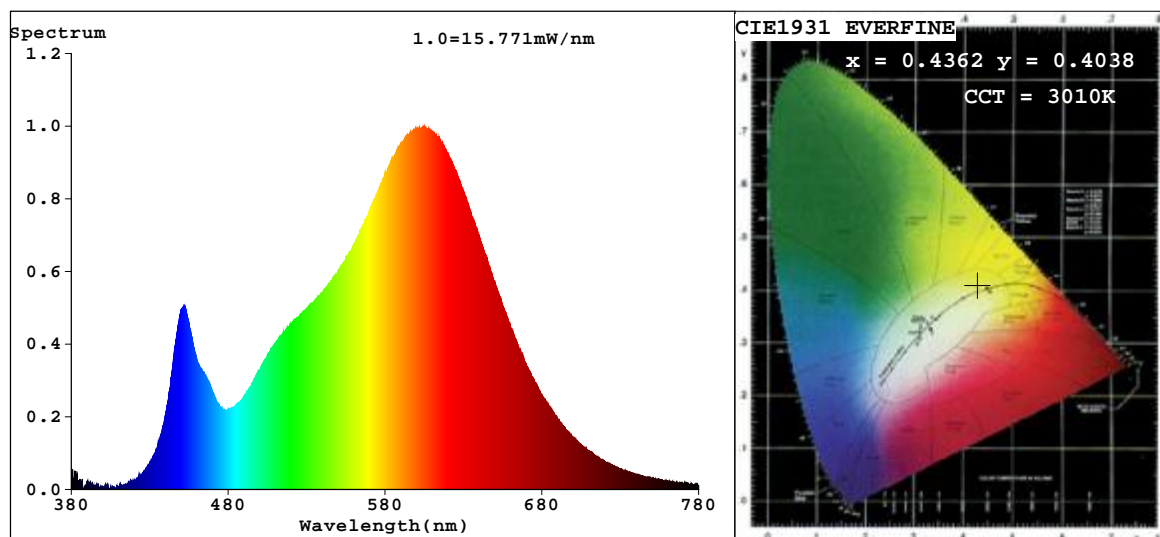
V = 23.998 V I = 0.6953 A P = 16.69 W PF = 1.000
 LEVEL: OUT WHITE: OUT

Status: Integral T = 126 ms $I_p = 37491$ (57%)

Model: RGB
 Tester:
 Temperature: 26DegDeg
 Manufacturer:

Number: 305
 Date: 2021-06-28
 Humidity: 65%
 Remarks: 29G

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4362$ $y=0.4038$ / $u'=0.2502$ $v'=0.5212$
 CCT=3010K (Duv=-0.0000) Dominant WL:Ld =582.8nm Purity=52.1%
 Ratio:R=22.9% G=74.3% B=2.7% Peak WL:Lp=605.0nm FWHM=124.7nm
 Render Index:Ra=82.8
 R1 =81 R2 =92 R3 =95 R4 =81 R5 =82 R6 =91 R7 =82
 R8 =59 R9 =7 R10=82 R11=80 R12=74 R13=84 R14=98 R15=74

Photo Parameters:

Flux = 766.1 lm Eff. : 83.73 lm/W Fe = 2.326 W Scotopic:1044.2 S/P:1.3629
 Photosynthetic:PPF:10.856umol/m2/s PAR WATT:2254.4mW/m2(400-700nm)

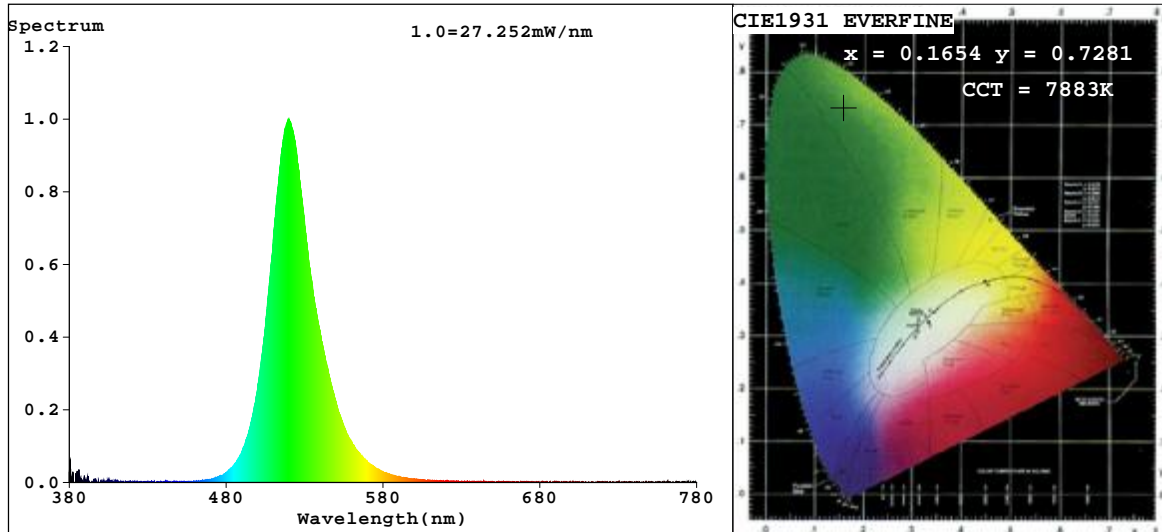
Electrical parameters:

V = 23.998 V I = 0.3813 A P = 9.150 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 319 ms Ip = 43681 (67%)

Model:3000K	Number:306
Tester:	Date:2021-06-28
Temperature:26DegDeg	Humidity:65%
Manufacturer:	Remarks:2.9-3.1 10-12 2958+87K

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1654$ $y=0.7281$ / $u'=0.0580$ $v'=0.5745$
 CCT=7883K (Duv=0.1591) Dominant WL: $L_d = 526.4\text{nm}$ Purity=80.9%
 Ratio: R=0.3% G=97.8% B=1.9% Peak WL: $L_p=520.1\text{nm}$ FWHM=29.8nm
 Render Index: $R_a=0.0$
 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=39 R15=0

Photo Parameters:

Flux = 480.8 lm Eff. : 80.71 lm/W Fe = 993.9 mW Scotopic: 1369.8 S/P: 2.8493
 Photosynthetic: PPF: 4.3372 $\mu\text{mol}/\text{m}^2/\text{s}$ PAR WATT: 989.05 mW/m^2 (400-700nm)

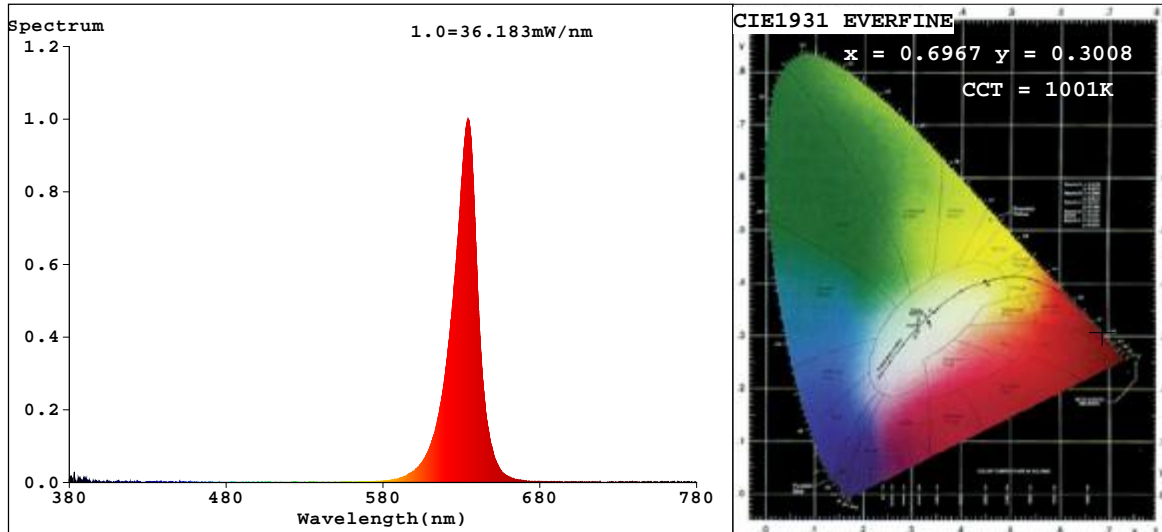
Electrical parameters:

V = 23.998 V I = 0.2482 A P = 5.956 W PF = 1.000
 LEVEL: OUT WHITE: OUT

Status: Integral T = 159 ms Ip = 39124 (60%)

Model: G	Number: 307
Tester:	Date: 2021-06-28
Temperature: 26DegDeg	Humidity: 65%
Manufacturer:	Remarks: 2.9-3.1 1400-1600 520-525

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.6967$ $y=0.3008$ / $u'=0.5342$ $v'=0.5190$
 CCT=1001K (Duv=-0.0867) Dominant WL:Ld =624.2nm Purity=99.3%
 Ratio:R=96.2% G=3.8% B=0.0% Peak WL:Lp=634.4nm FWHM=16.1nm
 Render Index:Ra=28.1
 R1 =9 R2 =79 R3 =33 R4 =0 R5 =5 R6 =91 R7 =8
 R8 =0 R9 =0 R10=74 R11=0 R12=79 R13=32 R14=61 R15=0

Photo Parameters:

Flux = 131.7 lm Eff. : 30.65 lm/W Fe = 722.2 mW Scotopic:7.2861 S/P:0.055312
 Photosynthetic:PPF:3.7835umol/m2/s PAR WATT:718.37mW/m2(400-700nm)

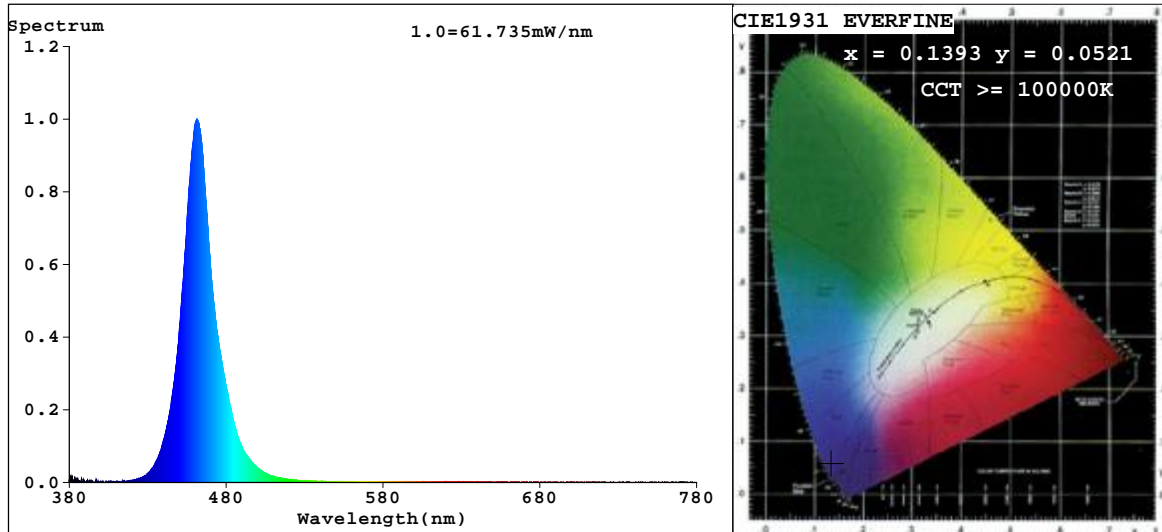
Electrical parameters:

V = 23.998 V I = 0.1791 A P = 4.298 W PF = 1.000
 LEVEL:OUT WHITE:OUT

Status: Integral T = 159 ms Ip = 43765 (67%)

Model:R	Number:308
Tester:	Date:2021-06-28
Temperature:26DegDeg	Humidity:65%
Manufacturer:	Remarks:2.1-2.3 600-800 622-627

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.1393$ $y=0.0521$ / $u'=0.1666$ $v'=0.1400$
 CCT=100000K (Duv=0.1732) Dominant WL: $\lambda_d = 466.1\text{nm}$ Purity=96.9%
 Ratio: R=0.7% G=15.4% B=83.9% Peak WL: $\lambda_p = 461.3\text{nm}$ FWHM=20.5nm
 Render Index: Ra=0.8
 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=4

Photo Parameters:

Flux = 98.51 lm Eff. : 16.36 lm/W Fe = 1.603 W Scotopic: 1635.2 S/P: 16.599
 Photosynthetic: PPF: 6.2034 $\mu\text{mol}/\text{m}^2/\text{s}$ PAR WATT: 1598 mW/m^2 (400-700nm)

Electrical parameters:

V = 23.998 V I = 0.2509 A P = 6.021 W PF = 1.000
 LEVEL: OUT WHITE: OUT

Status: Integral T = 159 ms Ip = 51061 (78%)

Model: B	Number: 309
Tester:	Date: 2021-06-28
Temperature: 26DegDeg	Humidity: 65%
Manufacturer:	Remarks: 2.9-3.1 300-500 465-470