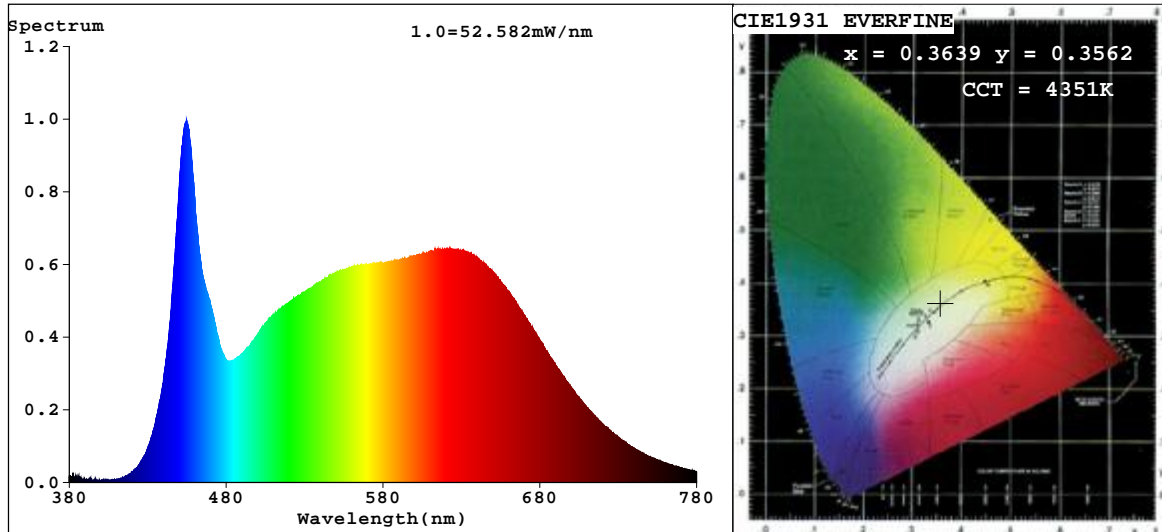


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3639$   $y=0.3562$  /  $u'=0.2224$   $v'=0.4897$   
 CCT=4351K(Duv=-0.0048) Dominant WL:Ld =581.7nm Purity=16.1%  
 Ratio:R=19.5% G=75.5% B=5.0% Peak WL:Lp=454.7nm FWHM=24.7nm  
 Render Index:Ra=95.8  
 R1 =97 R2 =99 R3 =97 R4 =95 R5 =95 R6 =94 R7 =95  
 R8 =94 R9 =90 R10=97 R11=95 R12=72 R13=99 R14=98 R15=97

**Photo Parameters:**

Flux = 2160 lm Eff. : 116.84 lm/W Fe = 7.937 W Scotopic:4201.8 S/P:1.9449  
 Photosynthetic:PPF:35.23lumol/m2/s PAR WATT:7461.4mW/m2(400-700nm)

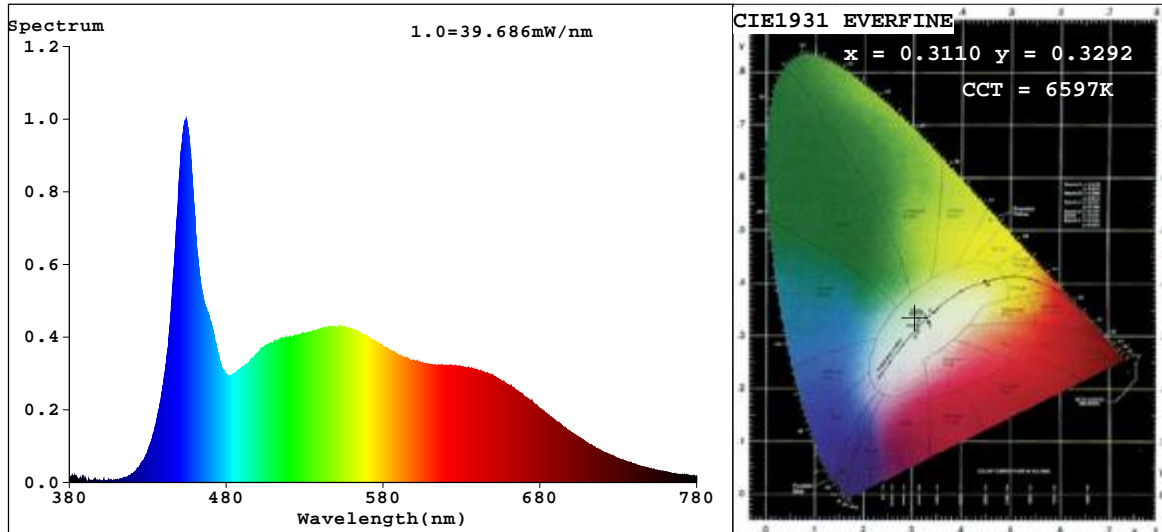
**Electrical parameters:**

V = 23.998 V I = 0.7705 A P = 18.49 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_4500K

Status: Integral T = 152 ms Ip = 51557 (79%)

Model:416 24V 18W 3000K6000K Number:37  
 Tester: Date:2019-09-06  
 Temperature:26DegDeg Humidity:65%  
 Manufacturer:Unitop Remarks:131 11311 2.8-2.9V

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3110$   $y=0.3292$  /  $u'=0.1966$   $v'=0.4682$   
 CCT=6597K (Duv=0.0041) Dominant WL:  $L_d = 489.3\text{nm}$  Purity=7.9%  
 Ratio: R=14.6% G=78.7% B=6.7% Peak WL:  $L_p=454.7\text{nm}$  FWHM=20.8nm  
 Render Index:  $R_a=92.8$   
 R1 =93 R2 =96 R3 =95 R4 =90 R5 =91 R6 =91 R7 =95  
 R8 =91 R9 =79 R10=89 R11=90 R12=64 R13=94 R14=98 R15=92

**Photo Parameters:**

Flux = 1107 lm Eff. : 126.56 lm/W  $F_e = 4.073$  W Scotopic: 2658.3 S/P: 2.4019  
 Photosynthetic: PPF: 17.745  $\mu\text{mol}/\text{m}^2/\text{s}$  PAR WATT: 3882  $\text{mW}/\text{m}^2$  (400-700nm)

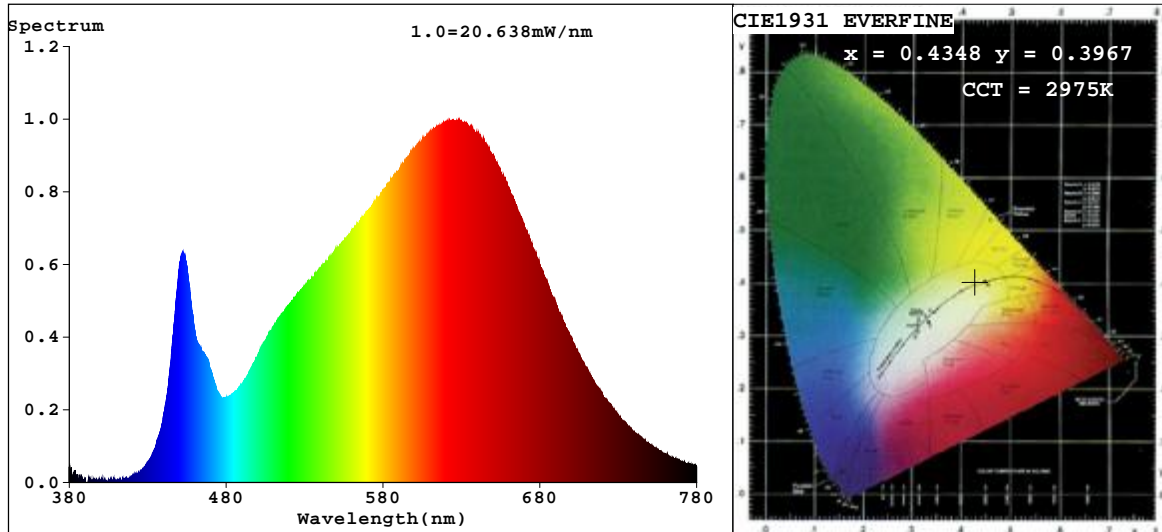
**Electrical parameters:**

V = 23.998 V I = 0.3644 A P = 8.745 W PF = 1.000  
 LEVEL: OUT WHITE: ANSI\_6500K

Status: Integral T = 152 ms  $I_p = 34491$  (53%)

Model: 6000K Number: 38  
 Tester: Date: 2019-09-06  
 Temperature: 26DegDeg Humidity: 65%  
 Manufacturer: Unitop Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4348$   $y=0.3967$  /  $u'=0.2524$   $v'=0.5181$   
 CCT=2975K (Duv=-0.0027) Dominant WL:Ld =583.9nm Purity=49.6%  
 Ratio:R=24.5% G=72.6% B=2.9% Peak WL:Lp=628.3nm FWHM=168.3nm  
 Render Index:Ra=93.3  
 R1 =94 R2 =97 R3 =98 R4 =92 R5 =93 R6 =95 R7 =92  
 R8 =85 R9 =67 R10=92 R11=92 R12=80 R13=95 R14=98 R15=91

**Photo Parameters:**

Flux = 1030 lm Eff. : 113.44 lm/W Fe = 3.733 W Scotopic:1460.5 S/P:1.4184  
 Photosynthetic:PPF:16.935umol/m2/s PAR WATT:3455.8mW/m2(400-700nm)

**Electrical parameters:**

V = 23.998 V I = 0.3782 A P = 9.076 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 152 ms Ip = 29395 (45%)

Model:3000K  
 Tester:  
 Temperature:26DegDeg  
 Manufacturer:Unitop

Number:39  
 Date:2019-09-06  
 Humidity:65%  
 Remarks: