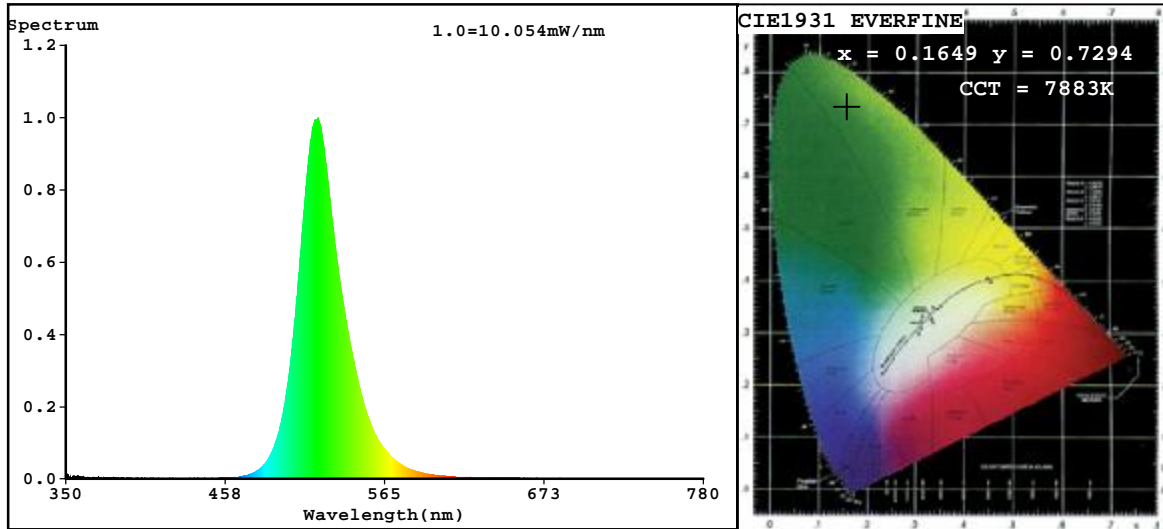


**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.1649$   $y=0.7294$  /  $u'=0.0577$   $v'=0.5747$   
 CCT=7883K(Duv=0.1594) Dominant WL:Ld =526.4nm Purity=81.2%  
 Ratio:R=0.3% G=97.8% B=1.9% Peak WL:Lp=520.1nm FWHM=30.8nm  
 Render Index:Ra=0.0 CRI=2.6 AvgR=2.5  
 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=37 R15=0

**Photo Parameters:**

Flux = 179.5 lm Eff. : 76.47 lm/W Fe = 370.5 mW

**Electrical parameters:**

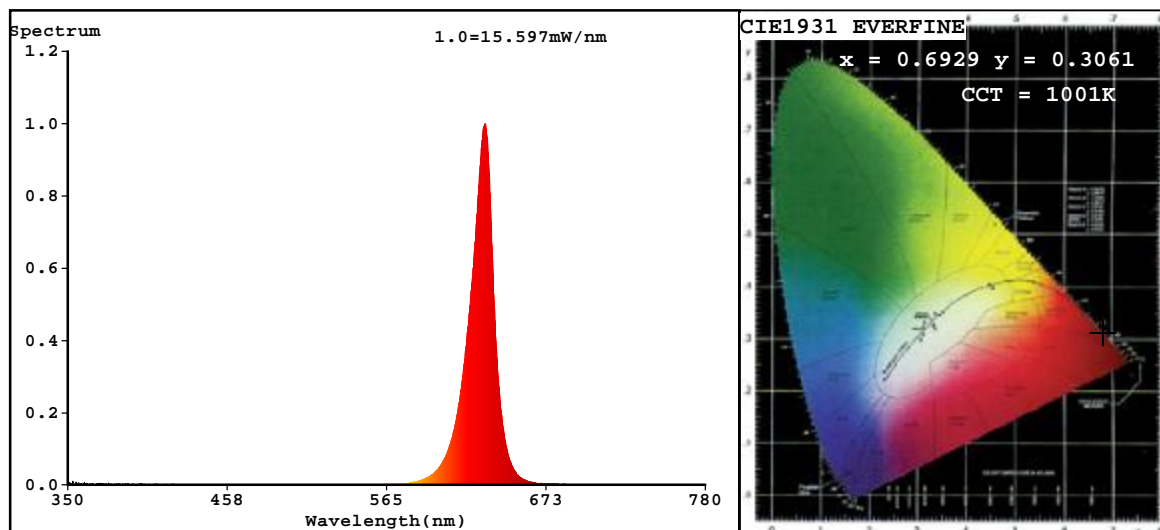
V = 11.998 V I = 0.1956 A P = 2.347 W PF = 1.000  
 LEVEL:OUT WHITE:OUT

Status: Integral T = 2000 ms Ip = 46480 (71%)

Model: LS12M230RGB1  
 Tester:  
 Temperature:25.3Deg  
 Manufacturer:

Number:  
 Date:2016-12-12 15:20:08  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.6929$   $y=0.3061$  /  $u'=0.5242$   $v'=0.5210$   
 CCT=1001K(Duv=-0.0767) Dominant WL:Ld =621.2nm Purity=99.7%  
 Ratio:R=95.3% G=4.7% B=0.0% Peak WL:Lp=631.6nm FWHM=16.3nm  
 Render Index:Ra=28.1 CRI=33.5 AvgR=31.3  
 R1 =10 R2 =79 R3 =33 R4 =0 R5 =5 R6 =91 R7 =8  
 R8 =0 R9 =0 R10=73 R11=0 R12=79 R13=32 R14=61 R15=0

**Photo Parameters:**

Flux = 63.69 lm Eff. : 28.19 lm/W Fe = 311.8 mW

**Electrical parameters:**

V = 11.998 V I = 0.1883 A P = 2.259 W PF = 1.000

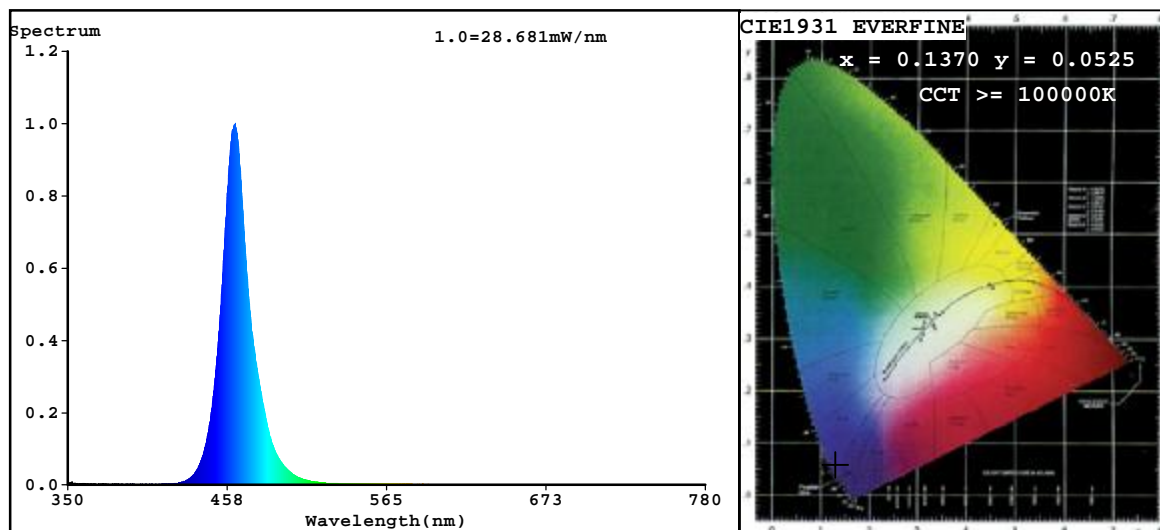
LEVEL:OUT WHITE:OUT

Status: Integral T = 1000 ms Ip = 35010 (53%)

Model: LS12M230RGB1  
 Tester:  
 Temperature:25.3Deg  
 Manufacturer:

Number:  
 Date:2016-12-12 15:20:45  
 Humidity:65.0%  
 Remarks:

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.1370$   $y=0.0525$   $u'=0.1633$   $v'=0.1408$   
 CCT=100000K(Duv=0.1729) Dominant WL:Ld =466.8nm Purity=97.5%  
 Ratio:R=0.4% G=12.1% B=87.4% Peak WL:Lp=462.9nm FWHM=19.1nm  
 Render Index:Ra=0.3 CRI=0.2 AvgR=0.2  
 R1 =0 R2 =0 R3 =0 R4 =0 R5 =3 R6 =0 R7 =0  
 R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=0

**Photo Parameters:**

Flux = 42.30 lm Eff. : 16.88 lm/W Fe = 687.4 mW

**Electrical parameters:**

V = 11.998 V I = 0.2088 A P = 2.505 W PF = 1.000

LEVEL:OUT WHITE:OUT

Status: Integral T = 1000 ms Ip = 51243 (78%)

Model:LS12M230RGB1  
 Tester:  
 Temperature:25.3Deg  
 Manufacturer:

Number:  
 Date:2016-12-12 15:21:08  
 Humidity:65.0%  
 Remarks: