

# Light source spectrum test report



Product Number :  
Product Number : C35 Clear 2700k  
Test Date : 2019-04-23  
Test Instrument : HAAS-2000(EVERFINE)  
Testers :

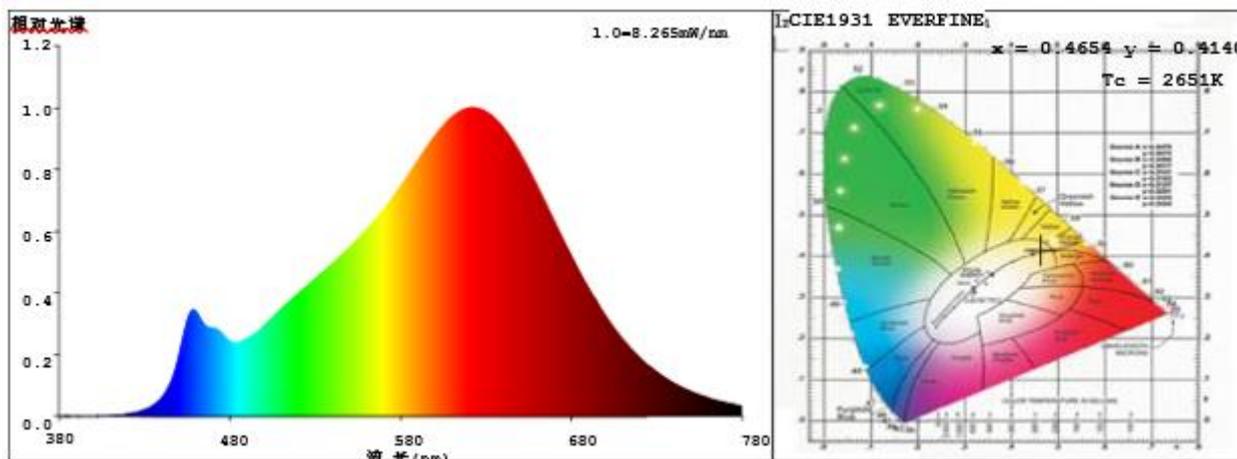
### Test Conditions

Ambient Temperature : 27.7Deg  
Test Range : 380nm-780nm  
Measurement Mode : Quick Test  
Environment humidity : 54%  
Peak IP : 52682 (80%)  
Integration time : 147 ms  
Sensitivity : High

### Spectral parameter

CIE1931 EVERFINE

Spectral  
Spectrum



Spectral Distribution

CIE1931 Color Chart

### CIE color parameter:

Chromatogram coordinates:  $x = 0.4654$   $y = 0.4140$  /  $u' = 0.2645$   $v' = 0.5295$  ( $duv=8.25e-04$ )  
Correlated color temperature:  $T_c=2651K$  Main Wavelength:  $\lambda_d=584.2nm$  Color Purity: Purity=64.0%  
Peak Wavelength:  $\lambda_p=623nm$  Half Width:  $\Delta\lambda_p=14.3nm$  Color Ratio: R=28.4% G=69.1% B=2.4%

Color Rendering Index:  $R_a=91.6$

$R_1 = 92, R_2 = 98, R_3 = 97, R_4 = 90, R_5 = 92, R_6 = 98, R_7 = 89, R_8 = 78,$   
 $R_9 = 54, R_{10} = 94, R_{11} = 91, R_{12} = 83, R_{13} = 94, R_{14} = 99, R_{15} = 87$

Light parameters:

Luminous flux  $\Phi = 374.7 lm$  Light efficiency : 93.71 lm/W Radiant flux  $\Phi_e = 1.315 W$   
Photon number (umol/s): 6.600e-001 Fluorescence blue light ratio: 13.24  
Fluorescence efficiency: 26.94

Electrical parameters:

Voltage  $V = 240.4V$  Current  $I = 0.01888 A$  Power  $P = 3.998 W$  Power factor  $PF = 0.8806$

**EVERFINE**

No. 669 Binkang Road, Binjiang  
District, Hangzhou  
<http://www.everfine.cn>