

Light source spectrum test report



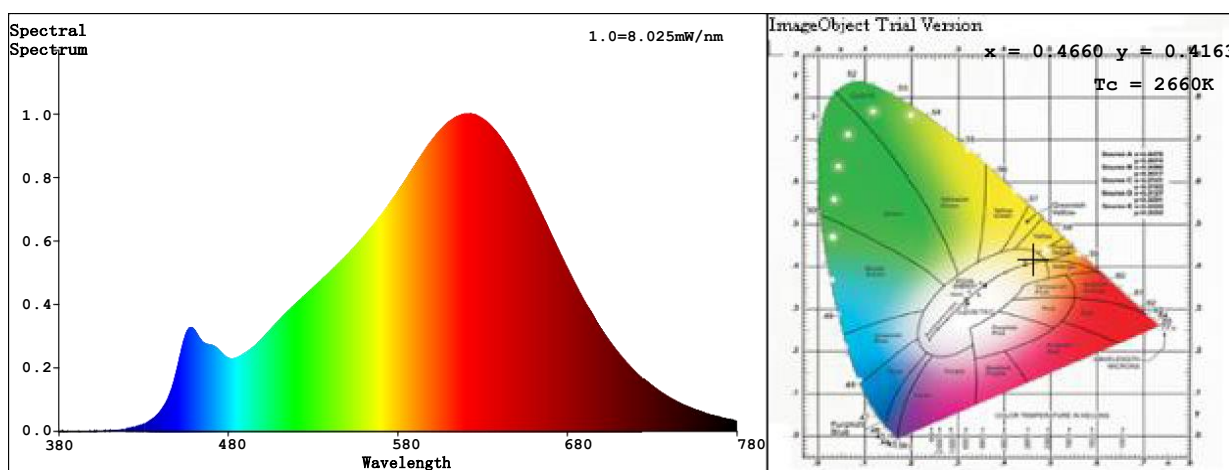
Product Number :
Product Number : C35 Frosted 2700k
Test Date : 2019-04-24
Test Instrument : HAAS-2000(EVERFINE)
Testers :

Test Conditions

Ambient Temperature : 27.7Deg
Test Range : 380nm-780nm
Measurement Mode : Quick Test
Environment humidity : 54%
Peak IP : 53979 (82%)
Integration time : 155 ms
Sensitivity : High

Spectral parameter

CIE1931 EVERFINE



Spectral Distribution

CIE1931 Color Chart

CIE color parameter:

Chromatogram coordinates: $x = 0.4660$ $y = 0.4163$ / $u' = 0.2639$ $v' = 0.5304$ ($duv=1.59e-03$)
Correlated color temperature: $T_c=2660K$ Main Wavelength: $\lambda_d=583.9nm$ Color Purity: Purity=64.8%
Peak Wavelength: $\lambda_p=623nm$ Half Width: $\Delta\lambda_p=141.4nm$ Color Ratio: R=28.2% G=69.5% B=2.3%

Color Rendering Index: $R_a=91.0$

$R_1 = 91$, $R_2 = 97$, $R_3 = 89$, $R_4 = 89$, $R_5 = 91$, $R_6 = 97$, $R_7 = 89$, $R_8 = 77$,
 $R_9 = 51$, $R_{10} = 92$, $R_{11} = 90$, $R_{12} = 82$, $R_{13} = 93$, $R_{14} = 100$, $R_{15} = 86$

Light parameters:

Luminous flux $\Phi = 367.2$ lm Light efficiency : 90.47 lm/W Radiant flux $\Phi_e = 1.277$ W
Photon number (umol/s): $6.405e-001$ Fluorescence blue light ratio: 14.10
Fluorescence efficiency: 25.991

Electrical parameters:

Voltage $V = 240.5V$ Current $I = 0.01907$ A Power $P = 4.059$ W Power factor $PF = 0.8848$

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