

Lightsource Test Report

Product Infomation

Product Type: ST21-2700K

Product Number: 2

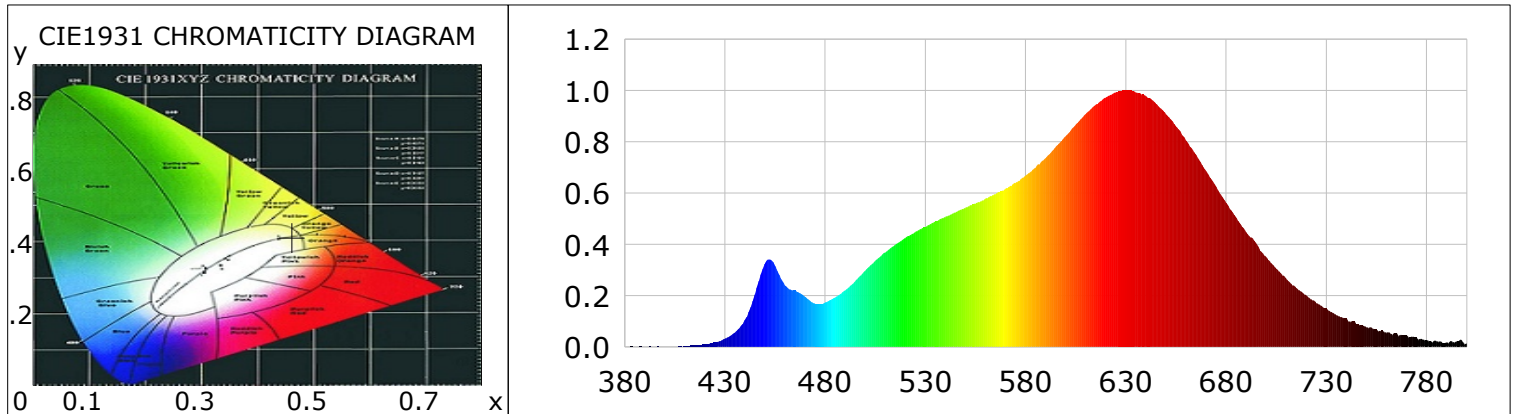
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4621$ $y=0.4133$ $u(u')=0.2627$ $v=0.3525$ $v'=0.5287$
 CCT: $T_c=2690K$ ($duv=0.00081$) Color Ratio: $R=0.270$ $G=0.706$ $B=0.024$
 Peak Wavelength: 629.7nm Half Bandwidth: 147.7nm
 Dominant Wavelength: 584.0nm Color Purity: 0.628
 CRI: $R_a=96.4$ TM30: $R_f=94$, $R_g=100$

R1 =98	R2 =98	R3 =97	R4 =99	R5 =97	R6 =98	R7 =95	R8 =90
R9 =76	R10=94	R11=98	R12=87	R13=98	R14=97	R15=94	

Color Quality Scale: $Q_a=93.9$, $Q_f=96.1$, $Q_p=96.3$, $Q_g=96.2$

Q1 =91	Q2 =95	Q3 =92	Q4 =93	Q5 =95	Q6 =96	Q7 =95	Q8 =96
Q9 =97	Q10=96	Q11=96	Q12=96	Q13=96	Q14=92	Q15=92	



Photometric Parameters

Luminous Flux: 785.74 lm	Efficiency: 117.63 lm/W	Radiant Power: 2.856 W
EEI: 0.11	Energy Efficiency Class: A++ (EU 874-2012)	
PAR: 2.664 W	PPF: 13.235 umol/s	R/B: 5.4
Photons1: 1.029 umol/s(400~500nm) Photons2: 7.598 umol/s(600~700nm)		

Electric Parameters

Voltage: 120.00V	Current: 0.0710A	Power: 6.68W
Power Factor: 0.7800	Frequency: 60.00Hz	

Test Infomation

Scan Range: 380~800:1nm	Photometric Method: sphere-photometer (spec_rev)
Stabilization Time: 0 Min	Photometric Condition: Sphere diameter: 1.00m, 4π
Max of Signal: 47721 (3035)	CCD Integration Time: 303.37 ms