NINGBO FREELUX LIGHTING APPLIANCE CO.,LTD.
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Lightsource Test Report

Product Infomation

Product Number: 12

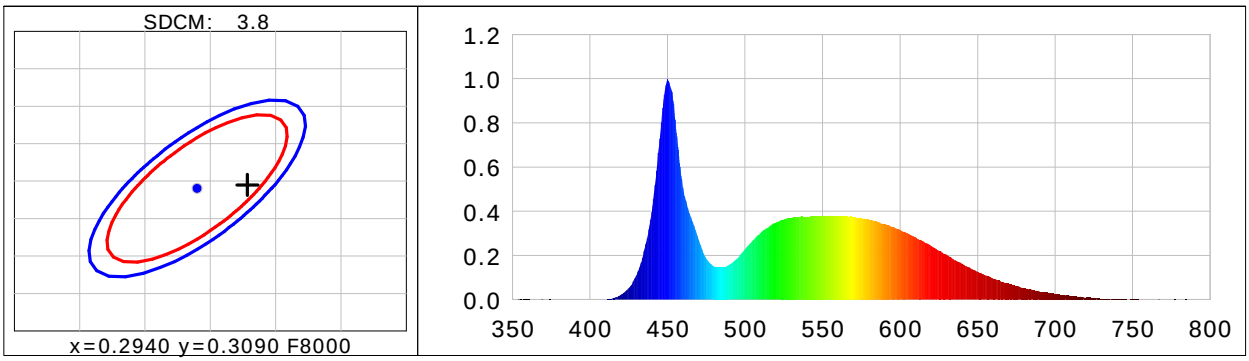
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.2979 y=0.3095 u(u')=0.1947 v=0.3035 v'=0.4553
CCT: Tc=6694K (duv=0.00095) Color Ratio: R=0.126 G=0.822 B=0.053
Peak Wavelength: 450.1nm Half Bandwidth: 18.6nm
Dominant Wavelength: 482.5nm Color Purity: 0.140
Central Wave: 451.0nm Gravity Wave: 450.6nm
CRI: Ra= 80.1 TM30: Rf= 79, Rg= 94
GAI: GAI_BB_8=90.2, GAI_BB_15=95.6, GAI_EES=90.1

R1 =79	R2 =84	R3 =85	R4 =81	R5 =79	R6 =77	R7 =87	R8 =69
R9 =-2	R10=60	R11=80	R12=50	R13=80	R14=92	R15=75	

Color Quality Scale: Qa= 77.5, Qf= 76.8, Qp= 79.5, Qg= 91.1

Q1 =85	Q2 =97	Q3 =71	Q4 =64	Q5 =74	Q6 =79	Q7 =84	Q8 =89
Q9 =93	Q10=81	Q11=76	Q12=76	Q13=78	Q14=68	Q15=74	



Photometric Parameters

Luminous Flux: 20371 lm Efficiency: 104.45 lm/W Radiant Power: 35.899 W
Total mains efficacy: 104.45 lm/W Energy Efficiency Class: F (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 218.99V Current: 0.9196A Power: 195.03W
Power Factor: 0.9906 Frequency: 49.99Hz DF: 0.9981

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 49196 (2006)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 148.24 ms

Condition: Tx:14.6'C, Ti:13.7'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2024-09-18 12:58:11
Inspector: