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

Product Infomation

Product Number: 323

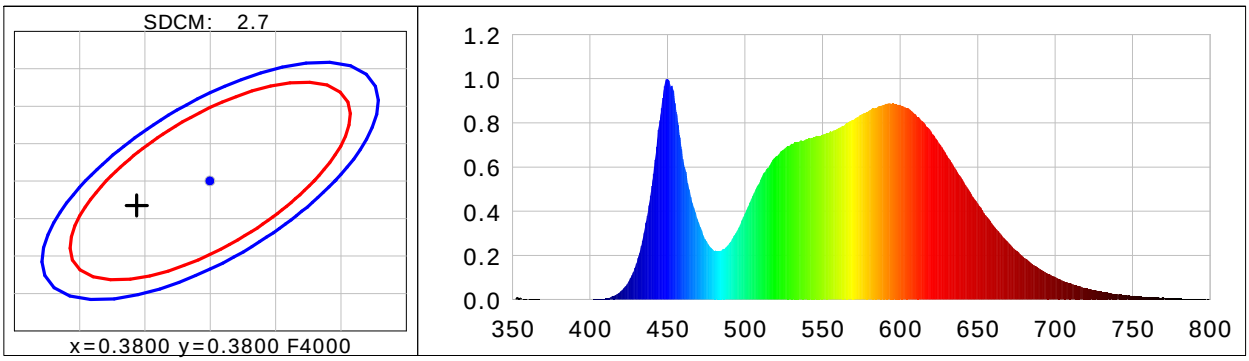
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3744 y=0.3767 u(u')=0.2211 v=0.3338 v'=0.5007
CCT: Tc=4170K (duv=0.00183) Color Ratio: R=0.176 G=0.790 B=0.033
Peak Wavelength: 449.7nm Half Bandwidth: 24.4nm
Dominant Wavelength: 577.4nm Color Purity: 0.254
Central Wave: 451.8nm Gravity Wave: 451.2nm
CRI: Ra= 81.8 TM30: Rf= 83, Rg= 96
GAI: GAI_BB_8=91.0, GAI_BB_15=97.6, GAI_EES=74.1

R1 =80	R2 =87	R3 =92	R4 =82	R5 =80	R6 =82	R7 =86	R8 =65
R9 =5	R10=68	R11=81	R12=57	R13=82	R14=95	R15=74	

Color Quality Scale: Qa= 81.9, Qf= 82.0, Qp= 82.2, Qg= 92.9

Q1 =82	Q2 =98	Q3 =77	Q4 =75	Q5 =81	Q6 =83	Q7 =84	Q8 =89
Q9 =97	Q10=87	Q11=84	Q12=84	Q13=84	Q14=72	Q15=75	



Photometric Parameters

Luminous Flux: 18832 lm Efficiency: 122.27 lm/W Radiant Power: 74.655 W
Total mains efficacy: 122.27 lm/W Energy Efficiency Class: C (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.27V Current: 0.7346A Power: 154.02W
Power Factor: 0.9563 Frequency: 49.99Hz DF: 0.9895

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44050 (3008)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 55.47 ms

Condition: Tx:27.6'C, Ti:25.8'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-10-17 12:35:47
Operator: Inspector: