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

Product Infomation

Product Number: 254

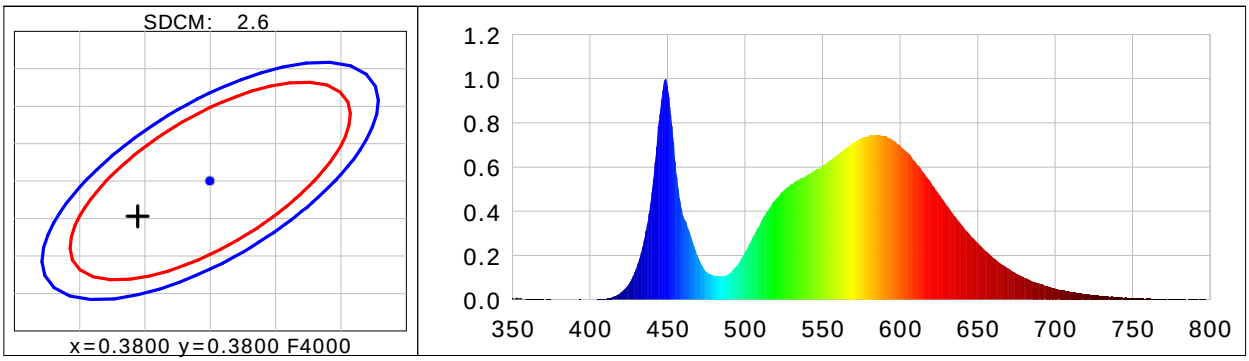
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3744 y=0.3753 u(u')=0.2217 v=0.3334 v'=0.5000
CCT: Tc=4158K (duv=0.00111) Color Ratio: R=0.161 G=0.813 B=0.026
Peak Wavelength: 448.7nm Half Bandwidth: 16.8nm
Dominant Wavelength: 577.8nm Color Purity: 0.250
Central Wave: 448.6nm Gravity Wave: 448.7nm
CRI: Ra= 71.3 TM30: Rf= 73, Rg= 93
GAI: GAI_BB_8=87.1, GAI_BB_15=94.9, GAI_EES=70.8

R1 =68	R2 =78	R3 =87	R4 =70	R5 =68	R6 =70	R7 =80	R8 =49
R9 =-41	R10=49	R11=66	R12=41	R13=70	R14=93	R15=61	

Color Quality Scale: Qa= 71.4, Qf= 71.3, Qp= 72.5, Qg= 88.6

Q1 =74	Q2 =97	Q3 =66	Q4 =61	Q5 =69	Q6 =71	Q7 =74	Q8 =82
Q9 =94	Q10=78	Q11=73	Q12=72	Q13=72	Q14=57	Q15=63	



Photometric Parameters

Luminous Flux: 7430.4 lm Efficiency: 123.49 lm/W Radiant Power: 24.295 W
Total mains efficacy: 123.49 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.53V Current: 0.2793A Power: 60.17W
Power Factor: 0.9812 Frequency: 49.99Hz DF: 0.9823

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45867 (2706)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 132.61 ms

Condition: Tx:23.3'C, Ti:22.1'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-11-05 13:05:10
Operator: Inspector: