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

Product Infomation

Product Number: 21

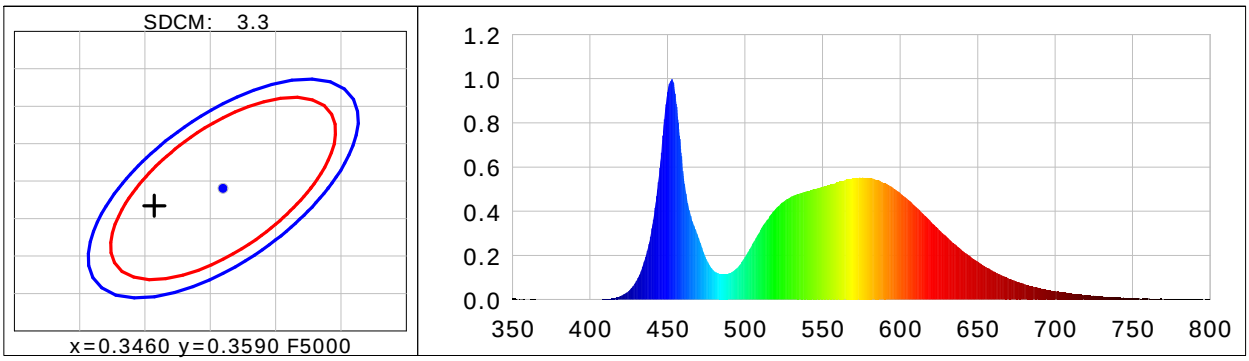
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3407 y=0.3567 u(u')=0.2065 v=0.3243 v'=0.4865
CCT: Tc=5182K (duv=0.00432) Color Ratio: R=0.137 G=0.827 B=0.036
Peak Wavelength: 452.9nm Half Bandwidth: 18.1nm
Dominant Wavelength: 565.6nm Color Purity: 0.093
Central Wave: 452.5nm Gravity Wave: 452.7nm
CRI: Ra= 72.5 TM30: Rf= 74, Rg= 91
GAI: GAI_BB_8=85.6, GAI_BB_15=93.3, GAI_EES=76.6

R1 =69	R2 =79	R3 =86	R4 =71	R5 =70	R6 =71	R7 =81	R8 =53
R9 =-40	R10=50	R11=67	R12=40	R13=71	R14=92	R15=63	

Color Quality Scale: Qa= 70.9, Qf= 70.9, Qp= 71.7, Qg= 87.4

Q1 =77	Q2 =97	Q3 =65	Q4 =58	Q5 =67	Q6 =70	Q7 =75	Q8 =83
Q9 =94	Q10=77	Q11=71	Q12=71	Q13=71	Q14=56	Q15=64	



Photometric Parameters

Luminous Flux: 30172 lm Efficiency: 143.90 lm/W Radiant Power: 90.715 W
Total mains efficacy: 143.90 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 220.44V Current: 0.9630A Power: 209.67W
Power Factor: 0.9877 Frequency: 49.99Hz DF: 0.9950

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46588 (1884)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 31.13 ms

Condition: Tx:13.2'C, Ti:13.1'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-01-04 08:14:44
Inspector: