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

Product Infomation

Product Number: 8

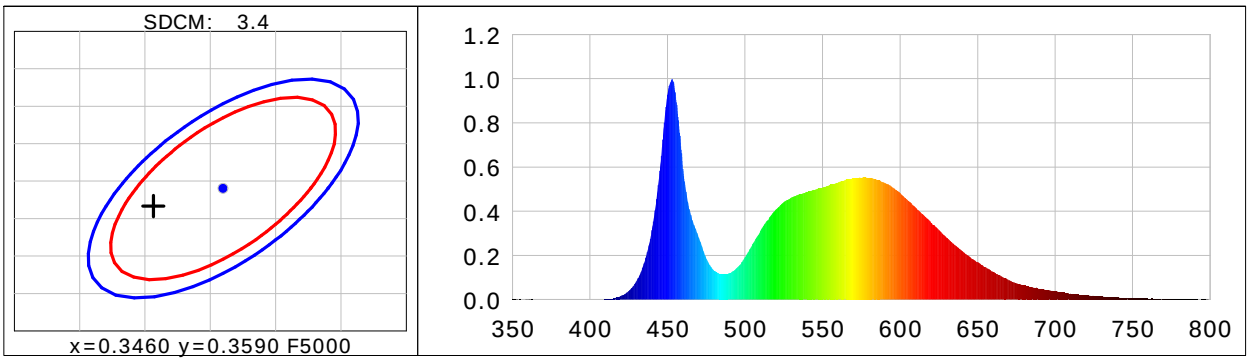
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3407 y=0.3567 u(u')=0.2065 v=0.3243 v'=0.4865
CCT: Tc=5184K (duv=0.00432) Color Ratio: R=0.136 G=0.828 B=0.036
Peak Wavelength: 453.0nm Half Bandwidth: 18.1nm
Dominant Wavelength: 565.6nm Color Purity: 0.093
Central Wave: 452.7nm Gravity Wave: 452.8nm
CRI: Ra= 72.3 TM30: Rf= 74, Rg= 91
GAI: GAI_BB_8=85.2, GAI_BB_15=93.0, GAI_EES=76.3

R1 =68	R2 =79	R3 =86	R4 =71	R5 =69	R6 =71	R7 =81	R8 =52
R9 =-42	R10=50	R11=67	R12=40	R13=71	R14=92	R15=62	

Color Quality Scale: Qa= 70.6, Qf= 70.6, Qp= 71.2, Qg= 87.0

Q1 =76	Q2 =97	Q3 =65	Q4 =58	Q5 =66	Q6 =70	Q7 =75	Q8 =83
Q9 =94	Q10=77	Q11=71	Q12=70	Q13=71	Q14=55	Q15=63	



Photometric Parameters

Luminous Flux: 15038 lm Efficiency: 146.16 lm/W Radiant Power: 46.561 W
Total mains efficacy: 146.16 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 220.49V Current: 0.4719A Power: 102.89W
Power Factor: 0.9888 Frequency: 49.99Hz DF: 0.9943

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45836 (2032)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 59.36 ms

Condition: Tx:15.6'C, Ti:14.5'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-01-03 10:32:33
Operator: Inspector: