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

Product Infomation

Product Number: 5

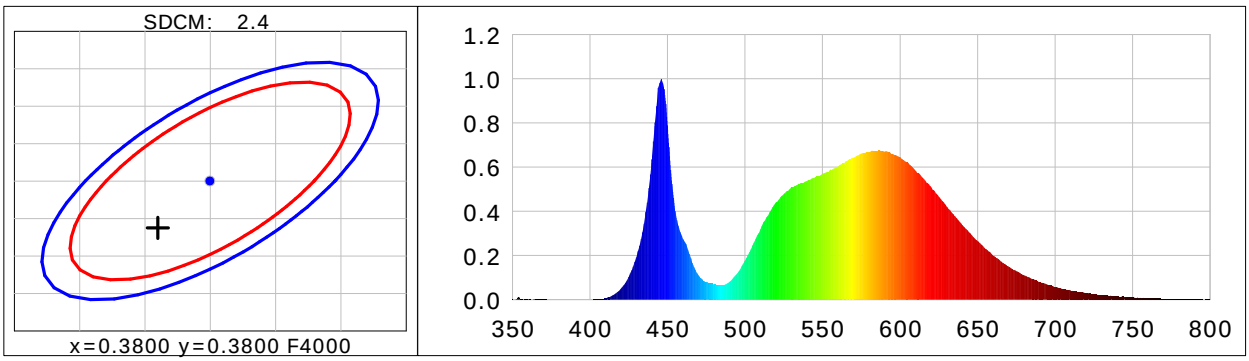
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3760 y=0.3738 u(u')=0.2234 v=0.3331 v'=0.4996
CCT: Tc=4103K (duv=-0.00009) Color Ratio: R=0.166 G=0.813 B=0.022
Peak Wavelength: 446.0nm Half Bandwidth: 15.5nm
Dominant Wavelength: 578.7nm Color Purity: 0.250
Central Wave: 445.7nm Gravity Wave: 445.8nm
CRI: Ra= 71.7 TM30: Rf= 72, Rg= 96
GAI: GAI_BB_8=91.4, GAI_BB_15=97.6, GAI_EES=73.6

R1 =70	R2 =77	R3 =83	R4 =72	R5 =69	R6 =68	R7 =80	R8 =54
R9 =-30	R10=46	R11=69	R12=41	R13=70	R14=90	R15=63	

Color Quality Scale: Qa= 72.0, Qf= 71.1, Qp= 74.6, Qg= 91.6

Q1 =75	Q2 =95	Q3 =64	Q4 =62	Q5 =70	Q6 =71	Q7 =74	Q8 =83
Q9 =93	Q10=76	Q11=72	Q12=72	Q13=74	Q14=60	Q15=65	



Photometric Parameters

Luminous Flux: 20036 lm Efficiency: 158.45 lm/W Radiant Power: 57.367 W
Total mains efficacy: 158.45 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.53V Current: 0.5849A Power: 126.45W
Power Factor: 0.9848 Frequency: 49.99Hz DF: 0.9863

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45984 (2440)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 38.74 ms

Condition: Tx:21.9'C, Ti:20.4'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-12-20 15:28:37
Operator: Inspector: