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

Product Infomation

Product Number: 40

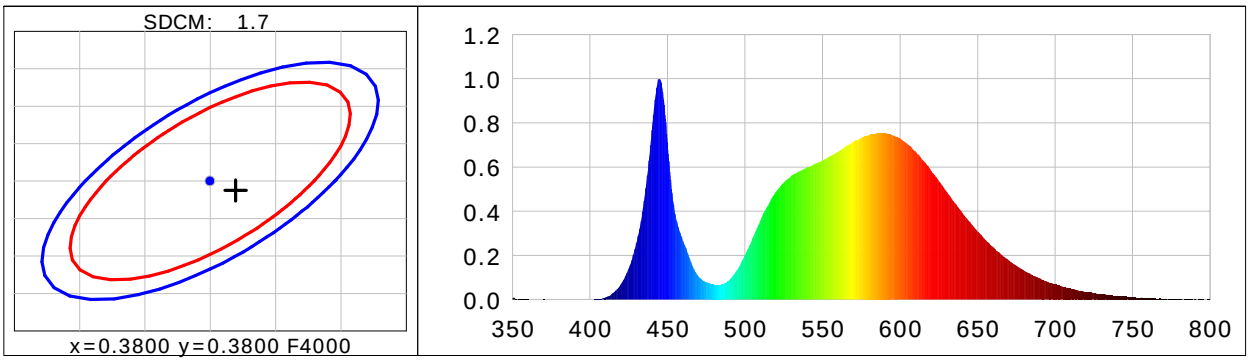
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3819 y=0.3787 u(u')=0.2253 v=0.3351 v'=0.5027
CCT: Tc=3974K (duv=0.00049) Color Ratio: R=0.170 G=0.810 B=0.020
Peak Wavelength: 444.6nm Half Bandwidth: 16.9nm
Dominant Wavelength: 578.9nm Color Purity: 0.283
Central Wave: 444.3nm Gravity Wave: 444.6nm
CRI: Ra= 71.9 TM30: Rf= 72, Rg= 97
GAI: GAI_BB_8=91.6, GAI_BB_15=96.9, GAI_EES=71.8

R1 =70	R2 =77	R3 =83	R4 =73	R5 =70	R6 =69	R7 =80	R8 =54
R9 =-28	R10=46	R11=70	R12=43	R13=71	R14=90	R15=63	

Color Quality Scale: Qa= 72.6, Qf= 71.8, Qp= 75.3, Qg= 92.1

Q1 =74	Q2 =95	Q3 =66	Q4 =64	Q5 =72	Q6 =71	Q7 =74	Q8 =83
Q9 =93	Q10=76	Q11=73	Q12=73	Q13=75	Q14=60	Q15=65	



Photometric Parameters

Luminous Flux: 9369.6 lm Efficiency: 154.03 lm/W Radiant Power: 44.197 W
Total mains efficacy: 154.03 lm/W Energy Efficiency Class: A (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.58V Current: 0.2805A Power: 60.83W
Power Factor: 0.9877 Frequency: 49.99Hz DF: 0.9930

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45480 (2659)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 86.11 ms

Condition: Tx:23.6'C, Ti:22.4'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-04-26 08:53:04
Inspector: