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

Product Infomation

Product Number: 87

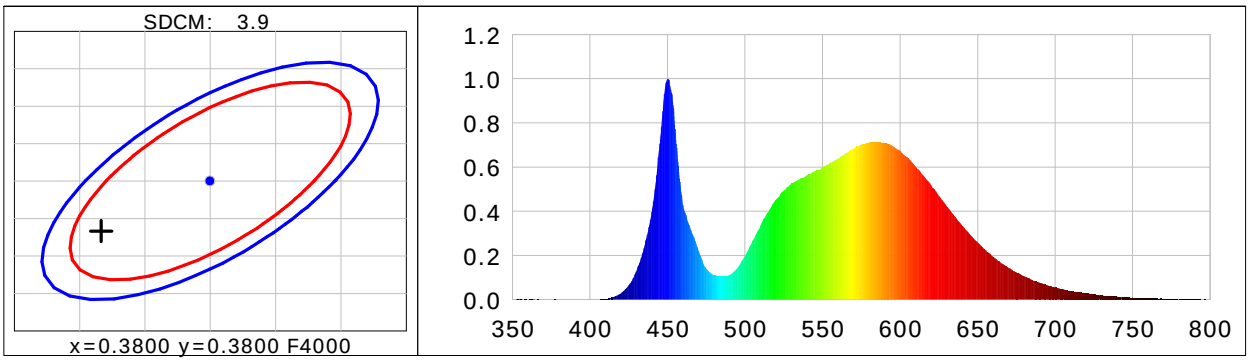
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3717 y=0.3733 u(u')=0.2207 v=0.3325 v'=0.4987
CCT: Tc=4224K (duv=0.00105) Color Ratio: R=0.161 G=0.812 B=0.027
Peak Wavelength: 450.3nm Half Bandwidth: 16.6nm
Dominant Wavelength: 577.5nm Color Purity: 0.236
Central Wave: 450.3nm Gravity Wave: 450.2nm
CRI: Ra= 72.4 TM30: Rf= 74, Rg= 93
GAI: GAI_BB_8=87.5, GAI_BB_15=95.8, GAI_EES=72.0

R1 =69	R2 =79	R3 =87	R4 =71	R5 =69	R6 =71	R7 =81	R8 =52
R9 =-34	R10=51	R11=67	R12=40	R13=71	R14=92	R15=63	

Color Quality Scale: Qa= 72.1, Qf= 72.0, Qp= 73.3, Qg= 89.0

Q1 =76	Q2 =97	Q3 =66	Q4 =60	Q5 =69	Q6 =71	Q7 =75	Q8 =83
Q9 =94	Q10=78	Q11=73	Q12=73	Q13=73	Q14=59	Q15=65	



Photometric Parameters

Luminous Flux: 17372 lm Efficiency: 174.23 lm/W Radiant Power: 67.539 W
Total mains efficacy: 174.23 lm/W Energy Efficiency Class: A (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.51V Current: 0.4585A Power: 99.71W
Power Factor: 0.9907 Frequency: 49.99Hz DF: 0.9950

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45493 (2733)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 45.75 ms

Condition: Tx:25.0'C, Ti:23.9'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-10-22 15:27:07
Inspector: