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

Product Infomation

Product Number: 88

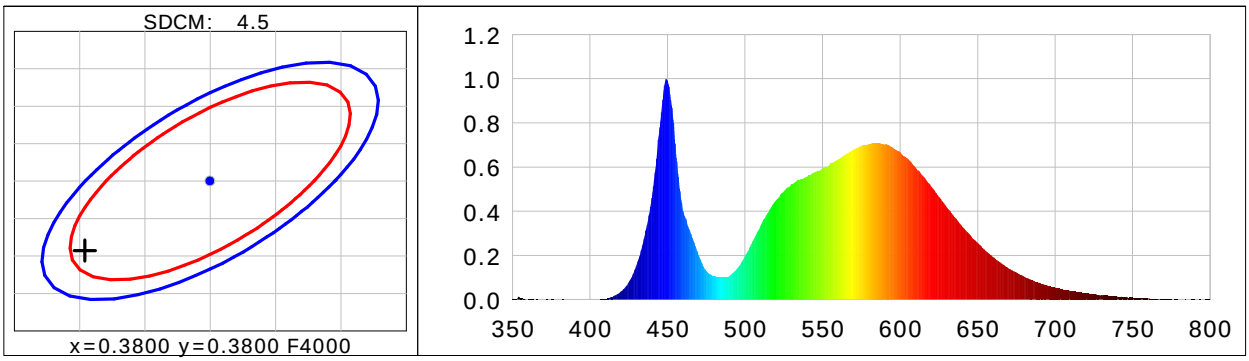
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3704 y=0.3707 u(u')=0.2209 v=0.3316 v'=0.4974
CCT: Tc=4245K (duv=0.00021) Color Ratio: R=0.161 G=0.813 B=0.026
Peak Wavelength: 449.3nm Half Bandwidth: 17.1nm
Dominant Wavelength: 578.0nm Color Purity: 0.224
Central Wave: 449.3nm Gravity Wave: 449.2nm
CRI: Ra= 72.3 TM30: Rf= 73, Rg= 93
GAI: GAI_BB_8=88.8, GAI_BB_15=96.6, GAI_EES=73.3

R1 =69	R2 =79	R3 =86	R4 =72	R5 =69	R6 =70	R7 =81	R8 =52
R9 =-34	R10=50	R11=67	R12=41	R13=71	R14=92	R15=63	

Color Quality Scale: Qa= 71.9, Qf= 71.6, Qp= 73.4, Qg= 89.6

Q1 =76	Q2 =96	Q3 =65	Q4 =60	Q5 =69	Q6 =72	Q7 =75	Q8 =83
Q9 =94	Q10=78	Q11=72	Q12=72	Q13=73	Q14=59	Q15=65	



Photometric Parameters

Luminous Flux: 5480.2 lm Efficiency: 173.70 lm/W Radiant Power: 20.514 W
Total mains efficacy: 173.70 lm/W Energy Efficiency Class: A (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.58V Current: 0.1490A Power: 31.55W
Power Factor: 0.9643 Frequency: 49.99Hz DF: 0.9672

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45716 (2852)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 152.80 ms

Condition: Tx:25.1'C, Ti:23.9'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-10-22 15:28:27
Inspector: