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

Product Infomation

Product Number: 222

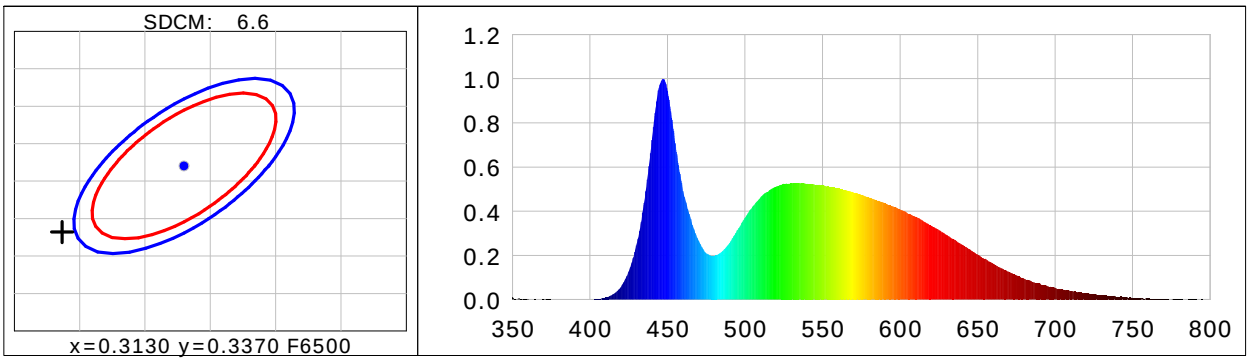
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3037 y=0.3282 u(u')=0.1919 v=0.3110 v'=0.4665
CCT: Tc=6822K (duv=0.00742) Color Ratio: R=0.127 G=0.823 B=0.049
Peak Wavelength: 447.3nm Half Bandwidth: 23.7nm
Dominant Wavelength: 489.5nm Color Purity: 0.104
Central Wave: 448.0nm Gravity Wave: 447.7nm
CRI: Ra= 80.4 TM30: Rf= 82, Rg= 96
GAI: GAI_BB_8=89.3, GAI_BB_15=93.8, GAI_EES=87.5

R1 =78	R2 =82	R3 =86	R4 =81	R5 =80	R6 =78	R7 =87	R8 =71
R9 =4	R10=59	R11=81	R12=58	R13=78	R14=93	R15=73	

Color Quality Scale: Qa= 82.2, Qf= 81.8, Qp= 83.2, Qg= 92.4

Q1 =86	Q2 =96	Q3 =77	Q4 =76	Q5 =82	Q6 =83	Q7 =85	Q8 =91
Q9 =95	Q10=84	Q11=82	Q12=83	Q13=83	Q14=71	Q15=77	



Photometric Parameters

Luminous Flux: 4932.1 lm Efficiency: 101.86 lm/W Radiant Power: 18.902 W
Total mains efficacy: 101.86 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.37V Current: 0.3757A Power: 48.42W
Power Factor: 0.5874 Frequency: 49.99Hz DF: 0.9698

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 49302 (3240)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 127.45 ms

Condition: Tx:28.8'C, Ti:27.4'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-05-10 12:46:38
Operator: Inspector: