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

Product Infomation

Product Number: 61

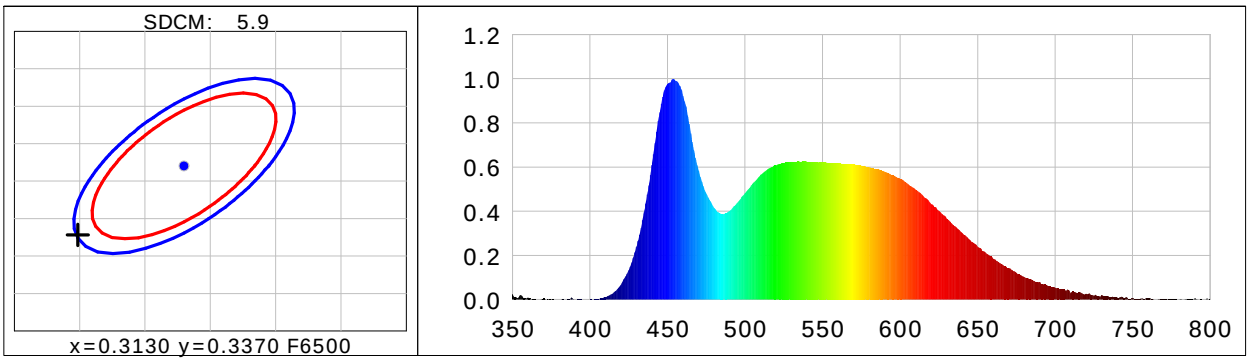
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3049 y=0.3278 u(u')=0.1928 v=0.3110 v'=0.4665
CCT: Tc=6756K (duv=0.00662) Color Ratio: R=0.132 G=0.808 B=0.061
Peak Wavelength: 453.7nm Half Bandwidth: 36.3nm
Dominant Wavelength: 489.2nm Color Purity: 0.100
Central Wave: 455.7nm Gravity Wave: 455.1nm
CRI: Ra= 84.1 TM30: Rf= 85, Rg= 93
GAI: GAI_BB_8=87.6, GAI_BB_15=92.4, GAI_EES=85.6

R1 =81	R2 =89	R3 =94	R4 =82	R5 =82	R6 =86	R7 =89	R8 =69
R9 =6	R10=75	R11=81	R12=63	R13=84	R14=97	R15=76	

Color Quality Scale: Qa= 83.5, Qf= 83.9, Qp= 82.2, Qg= 90.2

Q1 =83	Q2 =98	Q3 =84	Q4 =78	Q5 =81	Q6 =82	Q7 =86	Q8 =90
Q9 =97	Q10=91	Q11=87	Q12=86	Q13=85	Q14=72	Q15=76	



Photometric Parameters

Luminous Flux: 2169.5 lm Efficiency: 113.17 lm/W Radiant Power: 6.793 W
Total mains efficacy: 113.17 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.74V Current: 0.0852A Power: 19.17W
Power Factor: 0.9815 Frequency: 49.99Hz DF: 0.9925

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45269 (3670)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 406.07 ms

Condition: Tx:28.6'C, Ti:27.4'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-05-26 12:15:05
Operator: Inspector: