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

Product Infomation

Product Number: 856

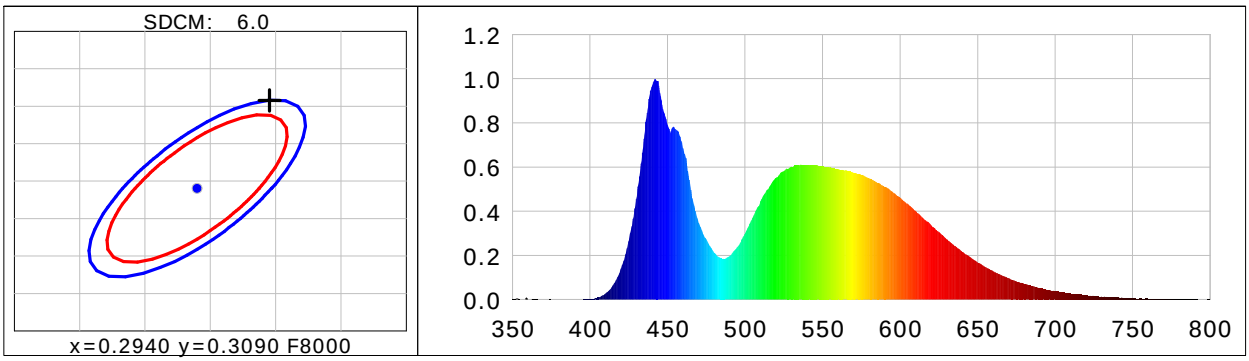
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.2995 y=0.3207 u(u')=0.1917 v=0.3079 v'=0.4619
CCT: Tc=6774K (duv=0.00585) Color Ratio: R=0.116 G=0.839 B=0.044
Peak Wavelength: 442.1nm Half Bandwidth: 34.2nm
Dominant Wavelength: 486.8nm Color Purity: 0.124
Central Wave: 447.9nm Gravity Wave: 445.9nm
CRI: Ra= 74.0 TM30: Rf= 76, Rg= 93
GAI: GAI_BB_8=86.0, GAI_BB_15=90.6, GAI_EES=85.2

R1 =71	R2 =77	R3 =81	R4 =75	R5 =73	R6 =71	R7 =83	R8 =62
R9 =-30	R10=45	R11=73	R12=51	R13=72	R14=89	R15=65	

Color Quality Scale: Qa= 74.6, Qf= 74.1, Qp= 76.3, Qg= 88.7

Q1 =82	Q2 =95	Q3 =71	Q4 =66	Q5 =73	Q6 =76	Q7 =79	Q8 =87
Q9 =92	Q10=76	Q11=72	Q12=73	Q13=75	Q14=59	Q15=68	



Photometric Parameters

Luminous Flux: 28958 lm Efficiency: 103.70 lm/W Radiant Power: 114.728 W
Total mains efficacy: 103.70 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 218.41V Current: 1.2876A Power: 279.25W
Power Factor: 0.9930 Frequency: 59.99Hz DF: 0.9986

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44833 (3069)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 27.25 ms

Condition: Tx:28.7'C, Ti:27.8'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-09-17 15:59:17
Operator: Inspector: