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

Product Infomation

Product Number: 864

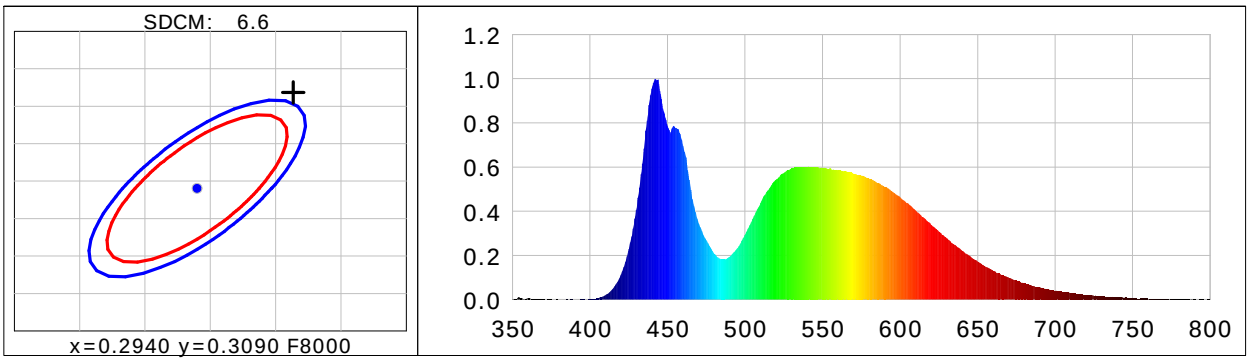
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3014 y=0.3218 u(u')=0.1926 v=0.3085 v'=0.4627
CCT: Tc=6744K (duv=0.00543) Color Ratio: R=0.118 G=0.838 B=0.044
Peak Wavelength: 442.3nm Half Bandwidth: 33.2nm
Dominant Wavelength: 496.7nm Color Purity: 0.117
Central Wave: 448.4nm Gravity Wave: 446.3nm
CRI: Ra= 74.4 TM30: Rf= 76, Rg= 94
GAI: GAI_BB_8=86.4, GAI_BB_15=91.1, GAI_EES=85.3

R1 =71	R2 =77	R3 =81	R4 =75	R5 =73	R6 =71	R7 =83	R8 =62
R9 =-28	R10=46	R11=73	R12=51	R13=72	R14=89	R15=66	

Color Quality Scale: Qa= 74.8, Qf= 74.3, Qp= 76.5, Qg= 89.0

Q1 =82	Q2 =95	Q3 =71	Q4 =65	Q5 =73	Q6 =76	Q7 =80	Q8 =87
Q9 =92	Q10=77	Q11=73	Q12=73	Q13=75	Q14=60	Q15=69	



Photometric Parameters

Luminous Flux: 9798.8 lm Efficiency: 103.90 lm/W Radiant Power: 35.886 W
Total mains efficacy: 103.90 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 218.02V Current: 0.4362A Power: 94.31W
Power Factor: 0.9918 Frequency: 49.99Hz DF: 0.9968

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45374 (3531)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 87.19 ms

Condition: Tx:31.2'C, Ti:29.3'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-09-18 10:10:43
Operator: Inspector: