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

Product Infomation

Product Number: 92

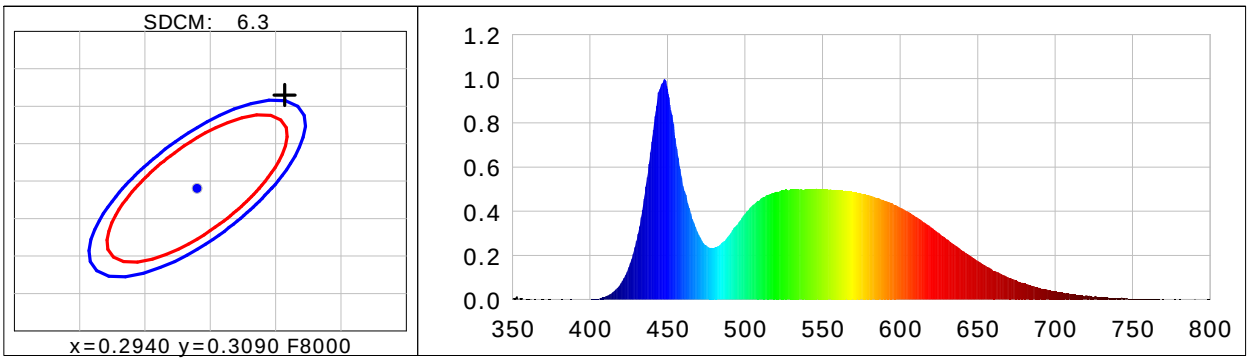
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3007 y=0.3215 u(u')=0.1923 v=0.3083 v'=0.4624
CCT: Tc=6790K (duv=0.00560) Color Ratio: R=0.126 G=0.820 B=0.054
Peak Wavelength: 448.2nm Half Bandwidth: 25.0nm
Dominant Wavelength: 486.9nm Color Purity: 0.119
Central Wave: 448.2nm Gravity Wave: 448.2nm
CRI: Ra= 81.1 TM30: Rf= 83, Rg= 96
GAI: GAI_BB_8=89.1, GAI_BB_15=93.2, GAI_EES=88.1

R1 =78	R2 =84	R3 =89	R4 =82	R5 =80	R6 =80	R7 =87	R8 =68
R9 =-4	R10=63	R11=82	R12=61	R13=79	R14=94	R15=73	

Color Quality Scale: Qa= 81.6, Qf= 81.5, Qp= 82.2, Qg= 91.4

Q1 =85	Q2 =97	Q3 =79	Q4 =76	Q5 =82	Q6 =84	Q7 =86	Q8 =90
Q9 =96	Q10=85	Q11=82	Q12=82	Q13=82	Q14=68	Q15=75	



Photometric Parameters

Luminous Flux: 5327.9 lm Efficiency: 98.50 lm/W Radiant Power: 22.300 W
Total mains efficacy: 98.50 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 229.26V Current: 0.2532A Power: 54.09W
Power Factor: 0.9319 Frequency: 49.99Hz DF: 0.9964

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44438 (3630)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 125.93 ms

Condition: Tx:31.9'C, Ti:30.7'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-07-17 15:19:51
Operator: Inspector: