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

Product Infomation

Product Number: 220

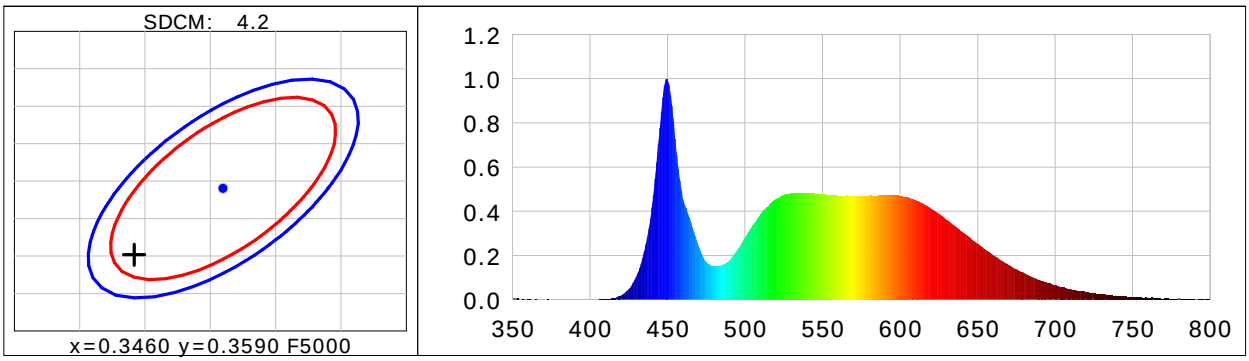
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3392 y=0.3501 u(u')=0.2080 v=0.3221 v'=0.4831
CCT: Tc=5228K (duv=0.00170) Color Ratio: R=0.158 G=0.801 B=0.041
Peak Wavelength: 449.5nm Half Bandwidth: 17.5nm
Dominant Wavelength: 566.5nm Color Purity: 0.069
Central Wave: 450.1nm Gravity Wave: 450.1nm
CRI: Ra= 84.3 TM30: Rf= 83, Rg= 99
GAI: GAI_BB_8=96.9, GAI_BB_15=101.8, GAI_EES=87.2

R1 =85	R2 =87	R3 =87	R4 =86	R5 =85	R6 =82	R7 =88	R8 =75
R9 =25	R10=68	R11=86	R12=58	R13=85	R14=93	R15=81	

Color Quality Scale: Qa= 82.8, Qf= 82.0, Qp= 85.1, Qg= 96.4

Q1 =87	Q2 =96	Q3 =74	Q4 =74	Q5 =82	Q6 =85	Q7 =86	Q8 =92
Q9 =94	Q10=84	Q11=82	Q12=83	Q13=85	Q14=76	Q15=80	



Photometric Parameters

Luminous Flux: 89851 lm Efficiency: 155.11 lm/W Radiant Power: 236.619 W
Total mains efficacy: 155.11 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 218.99V Current: 2.6896A Power: 579.27W
Power Factor: 0.9835 Frequency: 49.99Hz DF: 0.9864

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44829 (2727)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 8.83 ms

Condition: Tx:25.8'C, Ti:25.4'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-05-10 08:43:38
Inspector: