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

Product Infomation

Product Number: 566

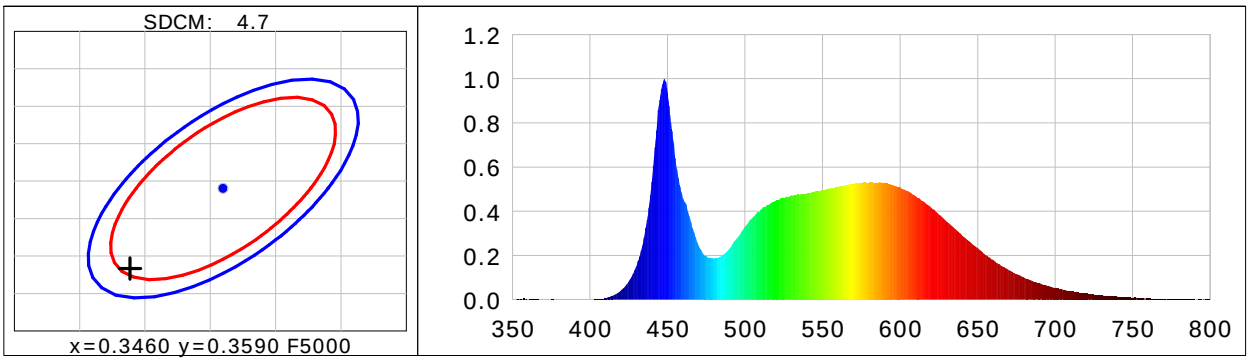
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3389 y=0.3483 u(u')=0.2085 v=0.3214 v'=0.4821
CCT: Tc=5238K (duv=0.00092) Color Ratio: R=0.152 G=0.804 B=0.044
Peak Wavelength: 448.1nm Half Bandwidth: 19.0nm
Dominant Wavelength: 584.7nm Color Purity: 0.062
Central Wave: 448.9nm Gravity Wave: 448.6nm
CRI: Ra= 82.1 TM30: Rf= 82, Rg= 97
GAI: GAI_BB_8=94.8, GAI_BB_15=99.2, GAI_EES=85.3

R1 =81	R2 =86	R3 =90	R4 =83	R5 =82	R6 =82	R7 =86	R8 =67
R9 =5	R10=67	R11=83	R12=62	R13=82	R14=95	R15=76	

Color Quality Scale: Qa= 80.5, Qf= 80.1, Qp= 82.1, Qg= 93.9

Q1 =83	Q2 =97	Q3 =75	Q4 =73	Q5 =81	Q6 =84	Q7 =86	Q8 =90
Q9 =95	Q10=83	Q11=80	Q12=79	Q13=80	Q14=70	Q15=75	



Photometric Parameters

Luminous Flux: 53152 lm Efficiency: 159.28 lm/W Radiant Power: 237.948 W
Total mains efficacy: 159.28 lm/W Energy Efficiency Class: A (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.51V Current: 1.5339A Power: 333.70W
Power Factor: 0.9911 Frequency: 49.99Hz DF: 0.9928

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 51180 (3194)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 15.08 ms

Condition: Tx:29.8'C, Ti:28.5'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-09-04 09:47:49
Inspector: