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

Product Infomation

Product Number: 469

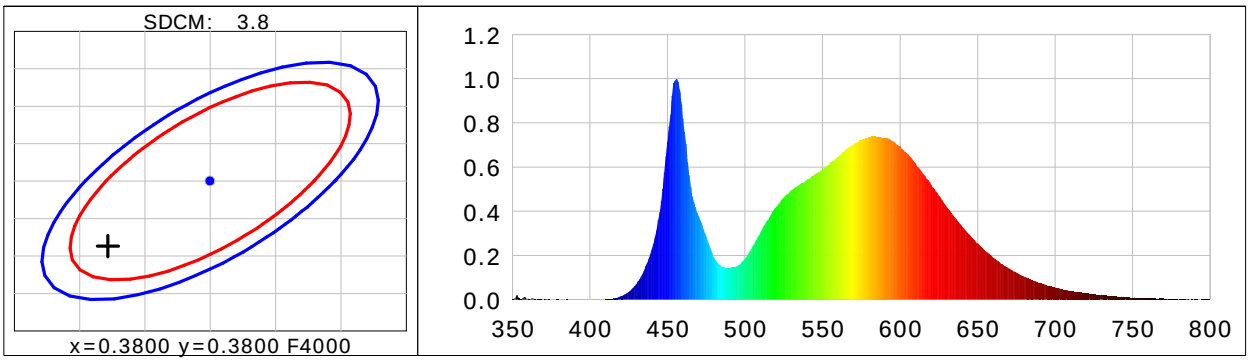
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3722 y=0.3713 u(u')=0.2218 v=0.3320 v'=0.4979
CCT: Tc=4196K (duv=-0.00006) Color Ratio: R=0.162 G=0.804 B=0.033
Peak Wavelength: 455.8nm Half Bandwidth: 18.4nm
Dominant Wavelength: 578.3nm Color Purity: 0.231
Central Wave: 456.1nm Gravity Wave: 456.1nm
CRI: Ra= 73.0 TM30: Rf= 74, Rg= 89
GAI: GAI_BB_8=85.6, GAI_BB_15=95.3, GAI_EES=70.1

R1 =70	R2 =83	R3 =91	R4 =68	R5 =69	R6 =75	R7 =79	R8 =49
R9 =-36	R10=59	R11=62	R12=41	R13=73	R14=95	R15=63	

Color Quality Scale: Qa= 71.2, Qf= 71.7, Qp= 70.8, Qg= 86.4

Q1 =75	Q2 =98	Q3 =68	Q4 =57	Q5 =64	Q6 =68	Q7 =73	Q8 =82
Q9 =95	Q10=81	Q11=74	Q12=72	Q13=72	Q14=58	Q15=65	



Photometric Parameters

Luminous Flux: 30118 lm Efficiency: 156.03 lm/W Radiant Power: 109.211 W
Total mains efficacy: 156.03 lm/W Energy Efficiency Class: B (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.06V Current: 0.8820A Power: 193.03W
Power Factor: 0.9990 Frequency: 49.99Hz DF: 0.9998

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45123 (3163)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 27.88 ms

Condition: Tx:29.4'C, Ti:27.8'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-08-29 13:22:50
Inspector: