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

Product Infomation

Product Number: 172

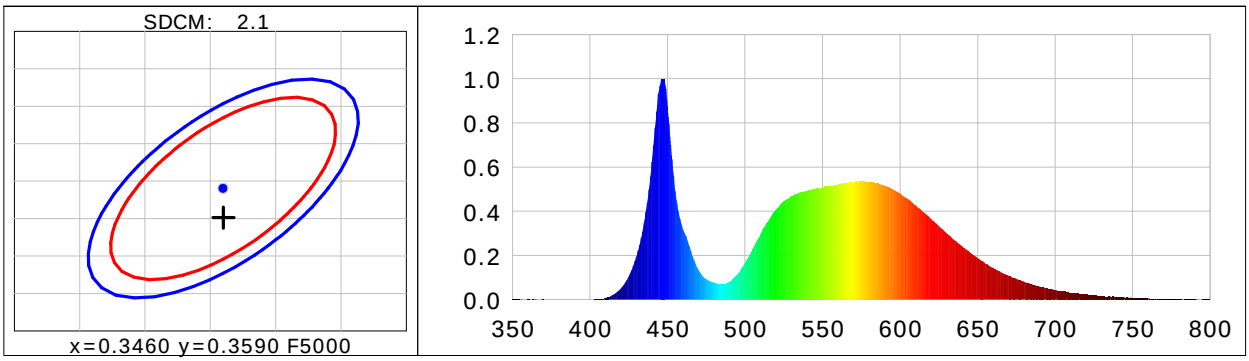
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3460 y=0.3551 u(u')=0.2107 v=0.3243 v'=0.4865
CCT: Tc=4978K (duv=0.00138) Color Ratio: R=0.143 G=0.829 B=0.027
Peak Wavelength: 446.8nm Half Bandwidth: 16.9nm
Dominant Wavelength: 571.7nm Color Purity: 0.104
Central Wave: 446.5nm Gravity Wave: 446.6nm
CRI: Ra= 71.1 TM30: Rf= 71, Rg= 94
GAI: GAI_BB_8=88.3, GAI_BB_15=95.0, GAI_EES=80.3

R1 =69	R2 =75	R3 =79	R4 =72	R5 =69	R6 =66	R7 =80	R8 =57
R9 =-32	R10=41	R11=69	R12=38	R13=70	R14=88	R15=64	

Color Quality Scale: Qa= 71.3, Qf= 70.5, Qp= 74.0, Qg= 90.0

Q1 =78	Q2 =94	Q3 =62	Q4 =59	Q5 =69	Q6 =72	Q7 =75	Q8 =84
Q9 =91	Q10=74	Q11=70	Q12=71	Q13=73	Q14=59	Q15=66	



Photometric Parameters

Luminous Flux: 35516 lm Efficiency: 174.68 lm/W Radiant Power: 114.879 W
Total mains efficacy: 174.68 lm/W Energy Efficiency Class: B (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.34V Current: 0.9259A Power: 201.03W
Power Factor: 0.9899 Frequency: 49.99Hz DF: 0.9917

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 49442 (4334)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 21.40 ms

Condition: Tx:37.8'C, Ti:36.0'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-07-03 17:10:21
Inspector: