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

Product Infomation

Product Number: 31

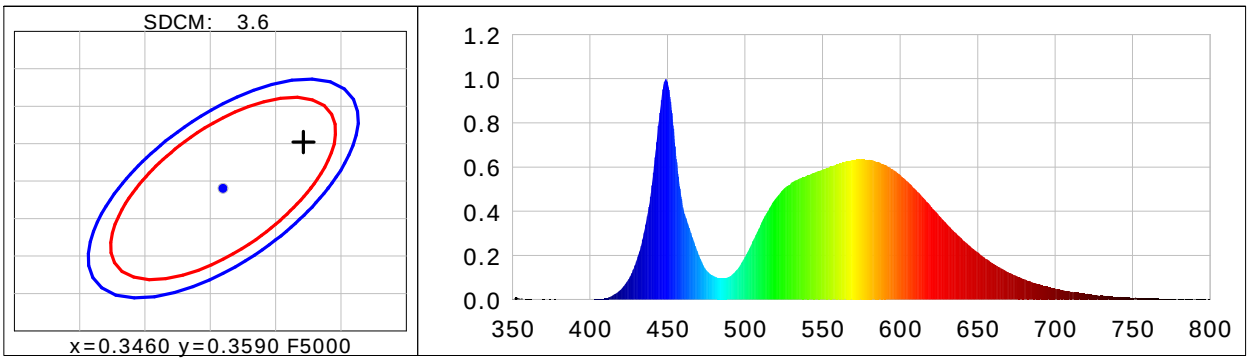
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3521 y=0.3652 u(u')=0.2109 v=0.3281 v'=0.4922
CCT: Tc=4998K (duv=0.00395) Color Ratio: R=0.143 G=0.829 B=0.028
Peak Wavelength: 449.0nm Half Bandwidth: 18.4nm
Dominant Wavelength: 571.8nm Color Purity: 0.153
Central Wave: 448.9nm Gravity Wave: 448.9nm
CRI: Ra= 70.6 TM30: Rf= 73, Rg= 92
GAI: GAI_BB_8=84.3, GAI_BB_15=92.0, GAI_EES=75.2

R1 =67	R2 =76	R3 =83	R4 =70	R5 =67	R6 =67	R7 =81	R8 =53
R9 =-40	R10=43	R11=66	R12=36	R13=68	R14=90	R15=61	

Color Quality Scale: Qa= 71.1, Qf= 71.0, Qp= 72.3, Qg= 87.8

Q1 =77	Q2 =96	Q3 =65	Q4 =59	Q5 =68	Q6 =70	Q7 =74	Q8 =83
Q9 =93	Q10=77	Q11=71	Q12=72	Q13=73	Q14=57	Q15=64	



Photometric Parameters

Luminous Flux: 14520 lm Efficiency: 141.84 lm/W Radiant Power: 38.162 W
Total mains efficacy: 141.84 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.38V Current: 0.4704A Power: 102.37W
Power Factor: 0.9920 Frequency: 49.99Hz DF: 0.9945

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 43250 (3547)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 56.30 ms

Condition: Tx:31.9'C, Ti:30.3'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-05-22 13:46:12
Operator: Inspector: