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

Product Infomation

Product Number: 23

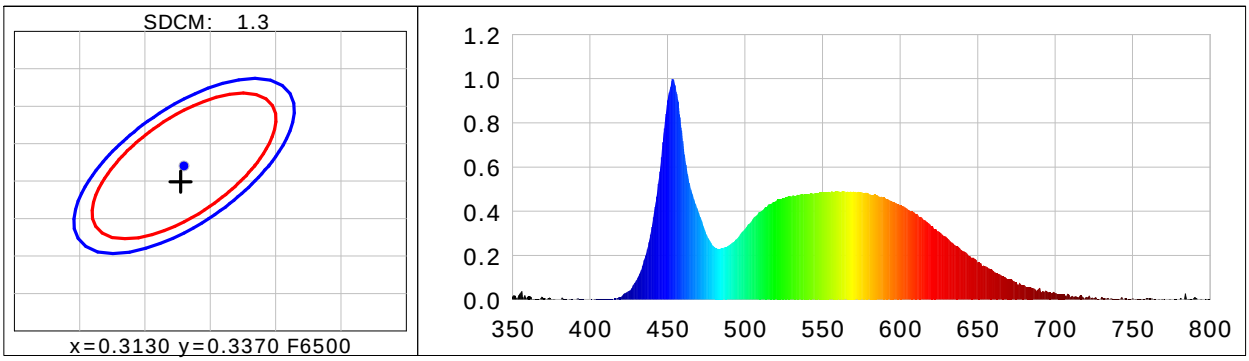
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3127 y=0.3349 u(u')=0.1957 v=0.3143 v'=0.4714
CCT: Tc=6460K (duv=0.00616) Color Ratio: R=0.132 G=0.815 B=0.053
Peak Wavelength: 453.4nm Half Bandwidth: 21.5nm
Dominant Wavelength: 492.7nm Color Purity: 0.068
Central Wave: 454.3nm Gravity Wave: 453.9nm
CRI: Ra= 80.6 TM30: Rf= 81, Rg= 92
GAI: GAI_BB_8=85.8, GAI_BB_15=92.1, GAI_EES=82.2

R1 =77	R2 =87	R3 =92	R4 =78	R5 =78	R6 =81	R7 =86	R8 =64
R9 =-9	R10=68	R11=77	R12=53	R13=80	R14=96	R15=71	

Color Quality Scale: Qa= 79.6, Qf= 79.9, Qp= 78.5, Qg= 88.7

Q1 =80	Q2 =98	Q3 =78	Q4 =71	Q5 =76	Q6 =78	Q7 =82	Q8 =88
Q9 =97	Q10=87	Q11=83	Q12=82	Q13=81	Q14=67	Q15=72	



Photometric Parameters

Luminous Flux: 1799.64 lm Efficiency: 98.99 lm/W Radiant Power: 1.984 W
Total mains efficacy: 98.99 lm/W Energy Efficiency Class: G (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.64V Current: 0.0850A Power: 18.18W
Power Factor: 0.9065 Frequency: 49.99Hz DF: 0.9964

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45638 (3434)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 3106.60 ms

Condition: Tx:14.9'C, Ti:14.1'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2024-09-19 13:20:34
Operator: Inspector: