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

Product Infomation

Product Number: 3

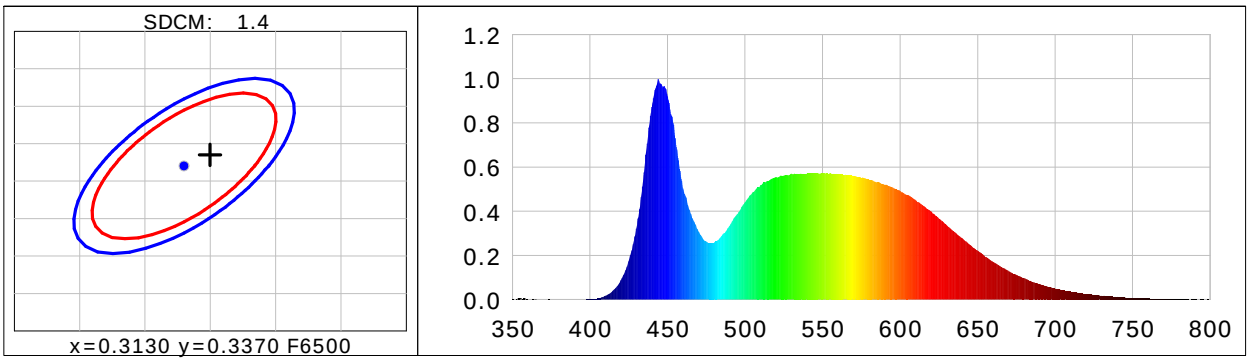
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3150 y=0.3385 u(u')=0.1959 v=0.3158 v'=0.4736
CCT: Tc=6324K (duv=0.00686) Color Ratio: R=0.132 G=0.817 B=0.051
Peak Wavelength: 444.1nm Half Bandwidth: 26.5nm
Dominant Wavelength: 495.4nm Color Purity: 0.059
Central Wave: 447.0nm Gravity Wave: 446.0nm
CRI: Ra= 81.6 TM30: Rf= 83, Rg= 96
GAI: GAI_BB_8=90.1, GAI_BB_15=93.7, GAI_EES=87.2

R1 =79	R2 =84	R3 =89	R4 =83	R5 =81	R6 =80	R7 =87	R8 =69
R9 =1	R10=63	R11=83	R12=64	R13=80	R14=94	R15=73	

Color Quality Scale: Qa= 82.5, Qf= 82.4, Qp= 83.2, Qg= 92.4

Q1 =85	Q2 =97	Q3 =80	Q4 =78	Q5 =83	Q6 =85	Q7 =86	Q8 =91
Q9 =96	Q10=85	Q11=83	Q12=83	Q13=83	Q14=70	Q15=76	



Photometric Parameters

Luminous Flux: 12073 lm Efficiency: 113.65 lm/W Radiant Power: 38.484 W
Total mains efficacy: 113.65 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 229.53V Current: 0.7824A Power: 106.23W
Power Factor: 0.5916 Frequency: 49.99Hz DF: 0.9758

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46155 (2282)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 69.80 ms

Condition: Tx:19.4'C, Ti:18.1'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-11-25 14:09:29
Operator: Inspector: