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

Product Infomation

Product Number: 297

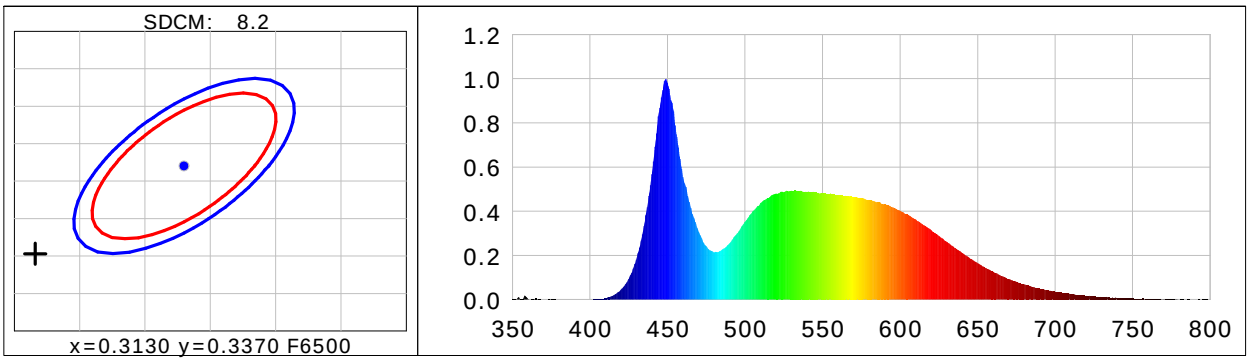
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3016 y=0.3253 u(u')=0.1915 v=0.3098 v'=0.4647
CCT: Tc=6780K (duv=0.00704) Color Ratio: R=0.125 G=0.822 B=0.053
Peak Wavelength: 448.9nm Half Bandwidth: 23.7nm
Dominant Wavelength: 488.4nm Color Purity: 0.113
Central Wave: 450.4nm Gravity Wave: 450.0nm
CRI: Ra= 80.7 TM30: Rf= 82, Rg= 95
GAI: GAI_BB_8=87.7, GAI_BB_15=92.6, GAI_EES=86.4

R1 =78	R2 =84	R3 =89	R4 =81	R5 =79	R6 =79	R7 =88	R8 =67
R9 =-7	R10=63	R11=80	R12=57	R13=79	R14=94	R15=72	

Color Quality Scale: Qa= 81.1, Qf= 81.1, Qp= 81.4, Qg= 90.6

Q1 =84	Q2 =98	Q3 =78	Q4 =74	Q5 =80	Q6 =82	Q7 =85	Q8 =90
Q9 =96	Q10=85	Q11=83	Q12=82	Q13=82	Q14=68	Q15=74	



Photometric Parameters

Luminous Flux: 24906 lm Efficiency: 123.78 lm/W Radiant Power: 95.342 W
Total mains efficacy: 123.78 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.47V Current: 0.9310A Power: 201.21W
Power Factor: 0.9847 Frequency: 49.99Hz DF: 0.9934

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45406 (3072)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 28.68 ms

Condition: Tx:28.5'C, Ti:26.6'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-10-16 11:32:15
Operator: Inspector: