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

Product Infomation

Product Number: 102

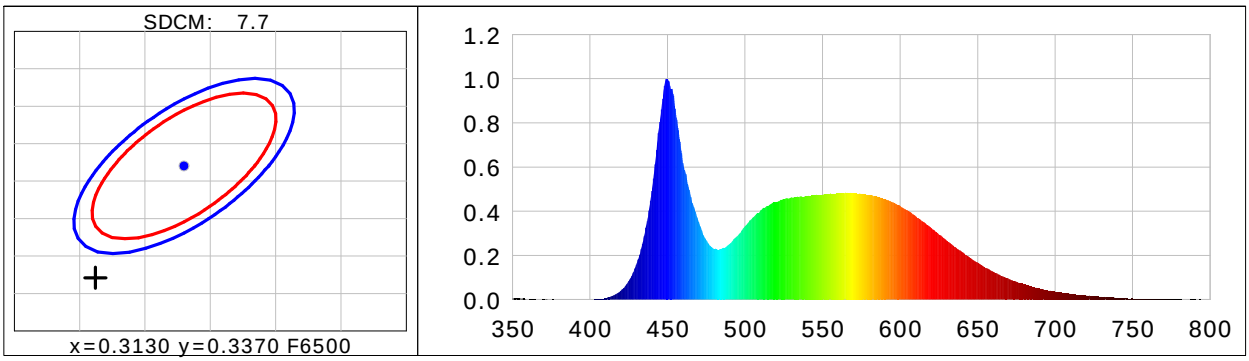
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3062 y=0.3221 u(u')=0.1959 v=0.3091 v'=0.4636
CCT: Tc=6842K (duv=0.00298) Color Ratio: R=0.130 G=0.816 B=0.054
Peak Wavelength: 449.5nm Half Bandwidth: 23.8nm
Dominant Wavelength: 486.2nm Color Purity: 0.100
Central Wave: 452.0nm Gravity Wave: 451.0nm
CRI: Ra= 81.3 TM30: Rf= 82, Rg= 94
GAI: GAI_BB_8=89.0, GAI_BB_15=94.1, GAI_EES=86.9

R1 =79	R2 =86	R3 =90	R4 =81	R5 =80	R6 =81	R7 =87	R8 =67
R9 =-5	R10=66	R11=80	R12=57	R13=81	R14=95	R15=73	

Color Quality Scale: Qa= 79.7, Qf= 79.7, Qp= 80.1, Qg= 90.5

Q1 =83	Q2 =98	Q3 =76	Q4 =71	Q5 =78	Q6 =81	Q7 =85	Q8 =89
Q9 =96	Q10=85	Q11=80	Q12=80	Q13=80	Q14=67	Q15=73	



Photometric Parameters

Luminous Flux: 24045 lm Efficiency: 104.00 lm/W Radiant Power: 120.289 W
Total mains efficacy: 104.00 lm/W Energy Efficiency Class: C (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.49V Current: 1.0677A Power: 231.20W
Power Factor: 0.9865 Frequency: 49.99Hz DF: 0.9953

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 43462 (3461)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 21.49 ms

Condition: Tx:32.4'C, Ti:32.3'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-07-18 12:47:56
Inspector: