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

Product Infomation

Product Number: 243

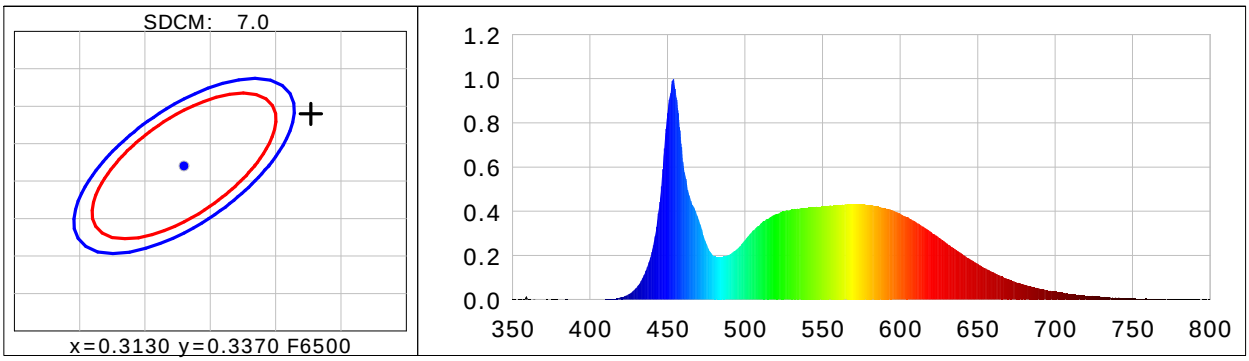
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3227 y=0.3439 u(u')=0.1991 v=0.3184 v'=0.4776
CCT: Tc=5834K (duv=0.00590) Color Ratio: R=0.136 G=0.811 B=0.052
Peak Wavelength: 453.7nm Half Bandwidth: 17.2nm
Dominant Wavelength: 505.5nm Color Purity: 0.032
Central Wave: 454.4nm Gravity Wave: 454.3nm
CRI: Ra= 81.2 TM30: Rf= 81, Rg= 92
GAI: GAI_BB_8=87.1, GAI_BB_15=93.8, GAI_EES=82.5

R1 =79	R2 =88	R3 =92	R4 =79	R5 =79	R6 =82	R7 =86	R8 =65
R9 =-5	R10=70	R11=78	R12=52	R13=82	R14=96	R15=73	

Color Quality Scale: Qa= 79.5, Qf= 79.8, Qp= 78.8, Qg= 89.4

Q1 =80	Q2 =98	Q3 =77	Q4 =70	Q5 =75	Q6 =78	Q7 =83	Q8 =88
Q9 =97	Q10=87	Q11=83	Q12=82	Q13=81	Q14=68	Q15=73	



Photometric Parameters

Luminous Flux: 113185 lm Efficiency: 142.79 lm/W Radiant Power: 325.555 W
Total mains efficacy: 142.79 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.73V Current: 3.6697A Power: 792.67W
Power Factor: 0.9830 Frequency: 49.99Hz DF: 0.9844

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45729 (2551)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 7.29 ms

Condition: Tx:23.2'C, Ti:21.6'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-11-04 15:57:22
Inspector: