NINGBO FREELUX LIGHTING APPLIANCE CO.,LTD.
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INVENTFINE®

Lightsource Test Report

Product Infomation

Product Number: 100

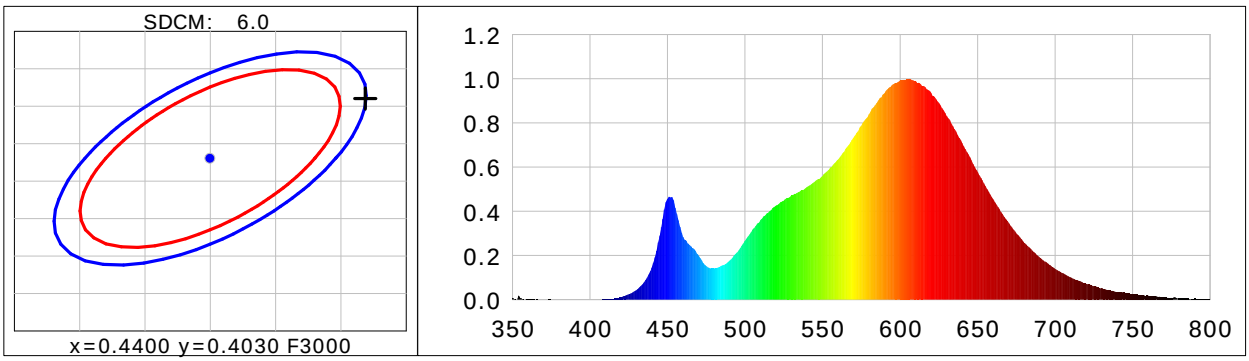
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4519 y=0.4110 u(u')=0.2572 v=0.3509 v'=0.5263
CCT: Tc=2819K (duv=0.00089) Color Ratio: R=0.240 G=0.739 B=0.021
Peak Wavelength: 605.7nm Half Bandwidth: 118.1nm
Dominant Wavelength: 583.3nm Color Purity: 0.590
Central Wave: 597.1nm Gravity Wave: 600.1nm
CRI: Ra= 81.4 TM30: Rf= 84, Rg= 95
GAI: GAI_BB_8=90.2, GAI_BB_15=98.6, GAI_EES=47.1

R1 =80	R2 =90	R3 =97	R4 =80	R5 =80	R6 =89	R7 =81	R8 =56
R9 =2	R10=78	R11=79	R12=69	R13=82	R14=99	R15=71	

Color Quality Scale: Qa= 81.7, Qf= 83.8, Qp= 82.6, Qg= 90.1

Q1 =77	Q2 =94	Q3 =83	Q4 =80	Q5 =82	Q6 =83	Q7 =83	Q8 =86
Q9 =95	Q10=90	Q11=87	Q12=84	Q13=82	Q14=70	Q15=72	



Photometric Parameters

Luminous Flux: 13794 lm Efficiency: 141.11 lm/W Radiant Power: 41.270 W
Total mains efficacy: 141.11 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.45V Current: 0.4469A Power: 97.76W
Power Factor: 0.9967 Frequency: 49.99Hz DF: 0.9983

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45148 (3568)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 97.28 ms

Condition: Tx:32.1'C, Ti:32.1'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-07-18 12:40:53
Inspector: