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

Product Infomation

Product Number: 351

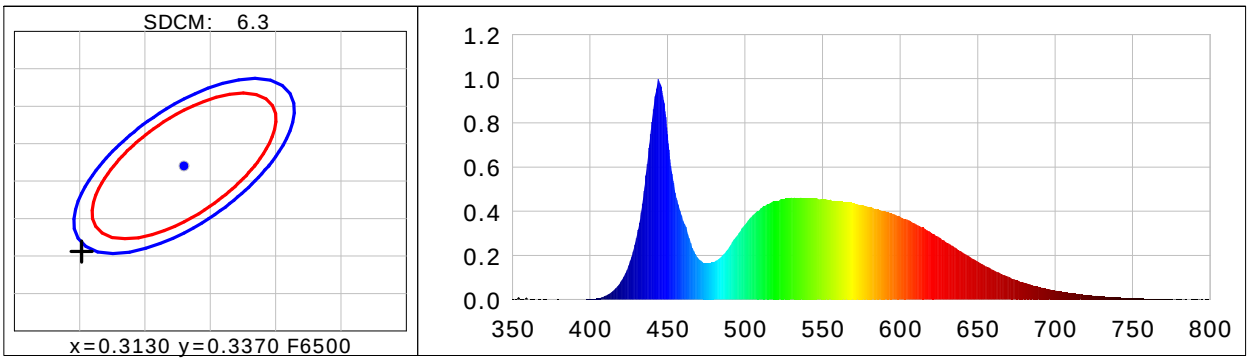
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3052 y=0.3256 u(u')=0.1939 v=0.3102 v'=0.4654
CCT: Tc=6864K (duv=0.00533) Color Ratio: R=0.129 G=0.823 B=0.048
Peak Wavelength: 444.2nm Half Bandwidth: 19.6nm
Dominant Wavelength: 488.1nm Color Purity: 0.101
Central Wave: 444.9nm Gravity Wave: 444.6nm
CRI: Ra= 79.8 TM30: Rf= 81, Rg= 97
GAI: GAI_BB_8=91.1, GAI_BB_15=94.4, GAI_EES=89.0

R1 =78	R2 =81	R3 =85	R4 =81	R5 =80	R6 =77	R7 =85	R8 =70
R9 =1	R10=57	R11=82	R12=61	R13=78	R14=92	R15=73	

Color Quality Scale: Qa= 81.6, Qf= 81.0, Qp= 83.3, Qg= 93.2

Q1 =85	Q2 =95	Q3 =77	Q4 =77	Q5 =83	Q6 =84	Q7 =85	Q8 =91
Q9 =94	Q10=82	Q11=81	Q12=81	Q13=82	Q14=70	Q15=76	



Photometric Parameters

Luminous Flux: 38544 lm Efficiency: 125.73 lm/W Radiant Power: 137.910 W
Total mains efficacy: 125.73 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.18V Current: 1.4084A Power: 306.56W
Power Factor: 0.9931 Frequency: 49.99Hz DF: 0.9949

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 49929 (3664)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 20.76 ms

Condition: Tx:33.4'C, Ti:32.4'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-08-16 07:59:23
Inspector: