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

Product Infomation

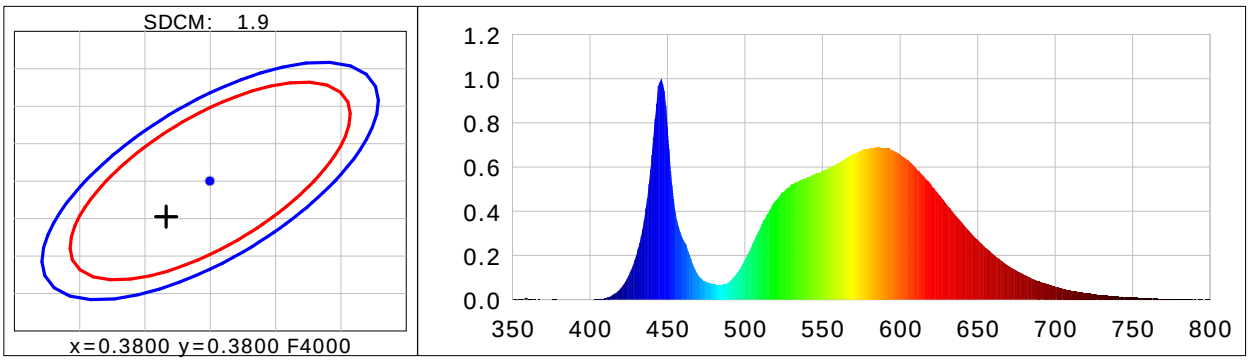
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3766 y=0.3752 u(u')=0.2232 v=0.3336 v'=0.5003
CCT: Tc=4095K (duv=0.00042) Color Ratio: R=0.165 G=0.813 B=0.021
Peak Wavelength: 445.9nm Half Bandwidth: 15.7nm
Dominant Wavelength: 578.5nm Color Purity: 0.256
Central Wave: 445.5nm Gravity Wave: 445.7nm
CRI: Ra= 71.5 TM30: Rf= 72, Rg= 96
GAI: GAI_BB_8=90.8, GAI_BB_15=96.9, GAI_EES=73.0

R1 =69	R2 =77	R3 =83	R4 =72	R5 =69	R6 =68	R7 =80	R8 =53
R9 =-31	R10=45	R11=69	R12=41	R13=70	R14=90	R15=63	

Color Quality Scale: Qa= 72.0, Qf= 71.2, Qp= 74.5, Qg= 91.4

Q1 =74	Q2 =95	Q3 =64	Q4 =62	Q5 =71	Q6 =71	Q7 =74	Q8 =83
Q9 =93	Q10=76	Q11=72	Q12=72	Q13=74	Q14=59	Q15=65	



Photometric Parameters

Luminous Flux: 13539 lm Efficiency: 156.63 lm/W Radiant Power: 38.643 W
Total mains efficacy: 156.63 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.51V Current: 0.3961A Power: 86.44W
Power Factor: 0.9942 Frequency: 49.99Hz DF: 0.9957

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46064 (2443)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 59.09 ms

Condition: Tx:21.8'C, Ti:20.2'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-12-20 15:10:16
Inspector: