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

Product Infomation

Product Number: 180

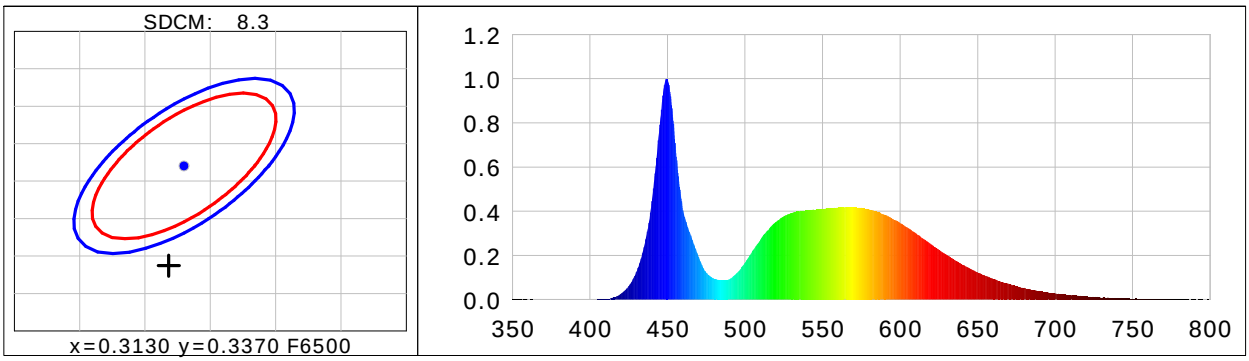
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3118 y=0.3237 u(u')=0.1992 v=0.3102 v'=0.4653
CCT: Tc=6598K (duv=0.00089) Color Ratio: R=0.125 G=0.836 B=0.039
Peak Wavelength: 449.5nm Half Bandwidth: 17.1nm
Dominant Wavelength: 485.8nm Color Purity: 0.080
Central Wave: 449.4nm Gravity Wave: 449.3nm
CRI: Ra= 73.1 TM30: Rf= 73, Rg= 93
GAI: GAI_BB_8=88.1, GAI_BB_15=94.4, GAI_EES=84.8

R1 =71	R2 =77	R3 =80	R4 =74	R5 =72	R6 =69	R7 =82	R8 =60
R9 =-31	R10=45	R11=72	R12=41	R13=72	R14=89	R15=66	

Color Quality Scale: Qa= 71.2, Qf= 70.3, Qp= 73.9, Qg= 89.2

Q1 =81	Q2 =94	Q3 =63	Q4 =57	Q5 =68	Q6 =73	Q7 =78	Q8 =86
Q9 =91	Q10=74	Q11=68	Q12=69	Q13=71	Q14=58	Q15=67	



Photometric Parameters

Luminous Flux: 11904 lm Efficiency: 133.11 lm/W Radiant Power: 38.992 W
Total mains efficacy: 133.11 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.50V Current: 0.4114A Power: 89.43W
Power Factor: 0.9903 Frequency: 49.99Hz DF: 0.9929

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46449 (2075)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 59.72 ms

Condition: Tx:16.3'C, Ti:14.9'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-01-10 14:23:16
Inspector: