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

Product Infomation

Product Number: 433

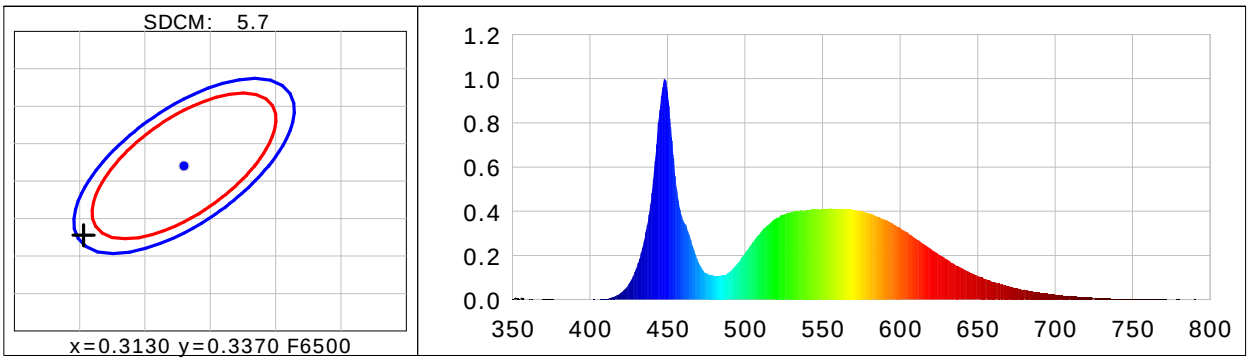
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3053 y=0.3278 u(u')=0.1932 v=0.3110 v'=0.4666
CCT: Tc=6732K (duv=0.00635) Color Ratio: R=0.116 G=0.843 B=0.041
Peak Wavelength: 448.3nm Half Bandwidth: 15.7nm
Dominant Wavelength: 489.1nm Color Purity: 0.099
Central Wave: 448.1nm Gravity Wave: 448.1nm
CRI: Ra= 72.0 TM30: Rf= 74, Rg= 92
GAI: GAI_BB_8=84.2, GAI_BB_15=90.1, GAI_EES=82.2

R1 =68	R2 =76	R3 =82	R4 =73	R5 =71	R6 =69	R7 =82	R8 =57
R9 =-43	R10=43	R11=71	R12=43	R13=69	R14=90	R15=62	

Color Quality Scale: Qa= 72.4, Qf= 72.0, Qp= 73.9, Qg= 87.3

Q1 =79	Q2 =95	Q3 =68	Q4 =62	Q5 =71	Q6 =74	Q7 =78	Q8 =85
Q9 =93	Q10=76	Q11=71	Q12=71	Q13=72	Q14=55	Q15=65	



Photometric Parameters

Luminous Flux: 15226 lm Efficiency: 152.03 lm/W Radiant Power: 62.270 W
Total mains efficacy: 152.03 lm/W Energy Efficiency Class: B (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 110.47V Current: 0.9071A Power: 100.15W
Power Factor: 0.9995 Frequency: 49.99Hz DF: 1.0000

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44652 (3851)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 33.13 ms

Condition: Tx:34.6'C, Ti:34.3'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-08-25 08:44:56
Inspector: