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

Product Infomation

Product Number: 224

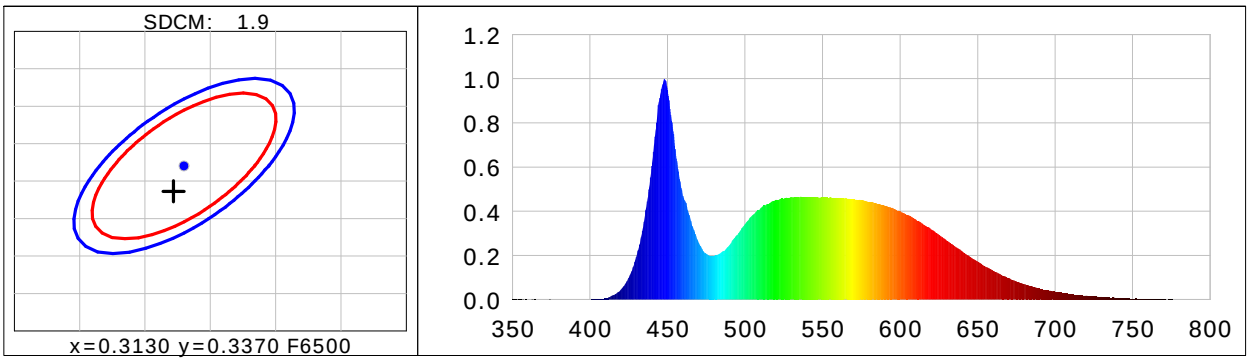
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3122 y=0.3336 u(u')=0.1958 v=0.3138 v'=0.4707
CCT: Tc=6498K (duv=0.00579) Color Ratio: R=0.131 G=0.818 B=0.051
Peak Wavelength: 448.2nm Half Bandwidth: 21.0nm
Dominant Wavelength: 491.9nm Color Purity: 0.071
Central Wave: 448.5nm Gravity Wave: 448.3nm
CRI: Ra= 81.4 TM30: Rf= 82, Rg= 96
GAI: GAI_BB_8=90.2, GAI_BB_15=94.6, GAI_EES=88.0

R1 =79	R2 =84	R3 =88	R4 =83	R5 =81	R6 =80	R7 =87	R8 =69
R9 =-0	R10=63	R11=82	R12=59	R13=80	R14=94	R15=74	

Color Quality Scale: Qa= 81.4, Qf= 81.2, Qp= 82.4, Qg= 92.1

Q1 =85	Q2 =97	Q3 =77	Q4 =75	Q5 =81	Q6 =84	Q7 =86	Q8 =91
Q9 =96	Q10=84	Q11=82	Q12=81	Q13=82	Q14=69	Q15=75	



Photometric Parameters

Luminous Flux: 10837 lm Efficiency: 107.97 lm/W Radiant Power: 43.326 W
Total mains efficacy: 107.97 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 229.41V Current: 0.4429A Power: 100.37W
Power Factor: 0.9879 Frequency: 49.99Hz DF: 0.9921

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46205 (2407)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 62.29 ms

Condition: Tx:21.1'C, Ti:19.6'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-12-12 12:53:13
Inspector: