NINGBO FREELUX LIGHTING APPLIANCE CO.,LTD.
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INVENTFINE®

Lightsource Test Report

Product Infomation

Product Number: 109

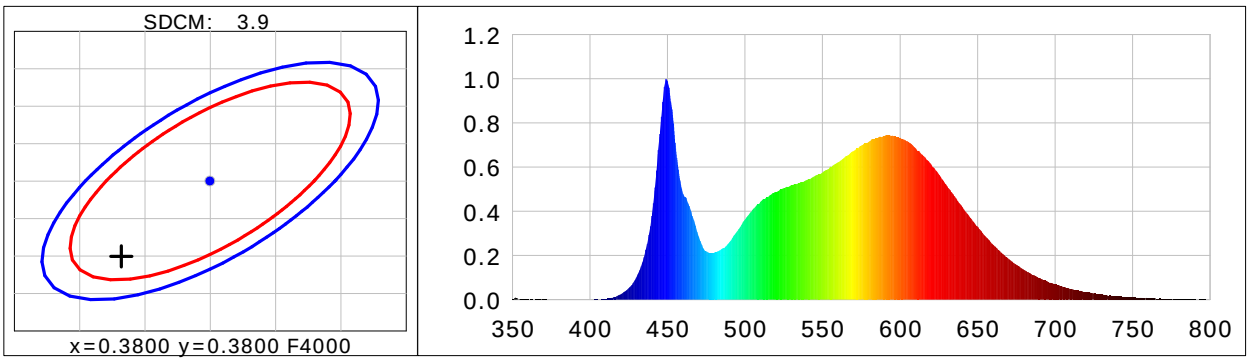
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3732 y=0.3699 u(u')=0.2230 v=0.3316 v'=0.4975
CCT: Tc=4156K (duv=-0.00105) Color Ratio: R=0.177 G=0.785 B=0.038
Peak Wavelength: 449.3nm Half Bandwidth: 17.4nm
Dominant Wavelength: 579.1nm Color Purity: 0.230
Central Wave: 450.5nm Gravity Wave: 450.0nm
CRI: Ra= 82.0 TM30: Rf= 83, Rg= 95
GAI: GAI_BB_8=93.0, GAI_BB_15=99.4, GAI_EES=75.6

R1 =80	R2 =89	R3 =95	R4 =81	R5 =81	R6 =85	R7 =84	R8 =61
R9 =-1	R10=74	R11=80	R12=62	R13=82	R14=97	R15=74	

Color Quality Scale: Qa= 81.1, Qf= 81.3, Qp= 81.3, Qg= 92.2

Q1 =80	Q2 =99	Q3 =78	Q4 =75	Q5 =80	Q6 =83	Q7 =85	Q8 =88
Q9 =98	Q10=88	Q11=84	Q12=82	Q13=81	Q14=69	Q15=73	



Photometric Parameters

Luminous Flux: 21900 lm Efficiency: 213.64 lm/W Radiant Power: 65.562 W
Total mains efficacy: 213.64 lm/W Energy Efficiency Class: A (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 110.46V Current: 0.9286A Power: 102.51W
Power Factor: 0.9994 Frequency: 50.00Hz DF: 1.0000

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45051 (3550)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 52.60 ms

Condition: Tx:32.2'C, Ti:32.2'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-07-19 08:03:06
Inspector: