NINGBO FREELUX LIGHTING APPLIANCE CO.,LTD.
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INVENTFINE®

Lightsource Test Report

Product Infomation

Product Number: 26

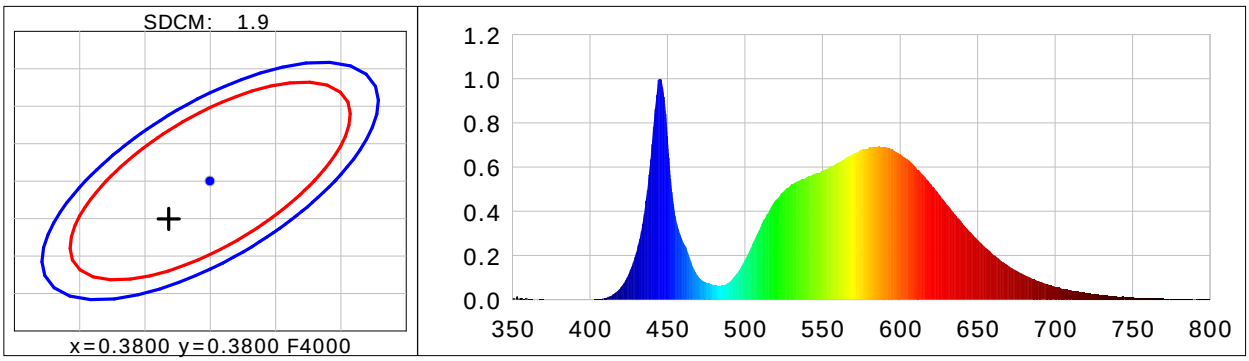
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3768 y=0.3749 u(u')=0.2234 v=0.3335 v'=0.5002
CCT: Tc=4088K (duv=0.00022) Color Ratio: R=0.166 G=0.813 B=0.021
Peak Wavelength: 445.2nm Half Bandwidth: 15.8nm
Dominant Wavelength: 578.6nm Color Purity: 0.256
Central Wave: 444.9nm Gravity Wave: 445.0nm
CRI: Ra= 71.3 TM30: Rf= 72, Rg= 96
GAI: GAI_BB_8=91.2, GAI_BB_15=97.0, GAI_EES=73.2

R1 =69	R2 =77	R3 =83	R4 =72	R5 =69	R6 =68	R7 =79	R8 =53
R9 =-31	R10=45	R11=69	R12=41	R13=70	R14=90	R15=63	

Color Quality Scale: Qa= 71.8, Qf= 71.0, Qp= 74.6, Qg= 91.6

Q1 =74	Q2 =94	Q3 =64	Q4 =62	Q5 =71	Q6 =71	Q7 =74	Q8 =83
Q9 =92	Q10=76	Q11=72	Q12=72	Q13=74	Q14=59	Q15=65	



Photometric Parameters

Luminous Flux: 42269 lm Efficiency: 155.79 lm/W Radiant Power: 120.744 W
Total mains efficacy: 155.79 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.55V Current: 1.2586A Power: 271.32W
Power Factor: 0.9819 Frequency: 49.99Hz DF: 0.9833

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46144 (2089)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 18.99 ms

Condition: Tx:17.3'C, Ti:16.2'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-12-22 11:07:48
Operator: Inspector: