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

Product Infomation

Product Number: 22

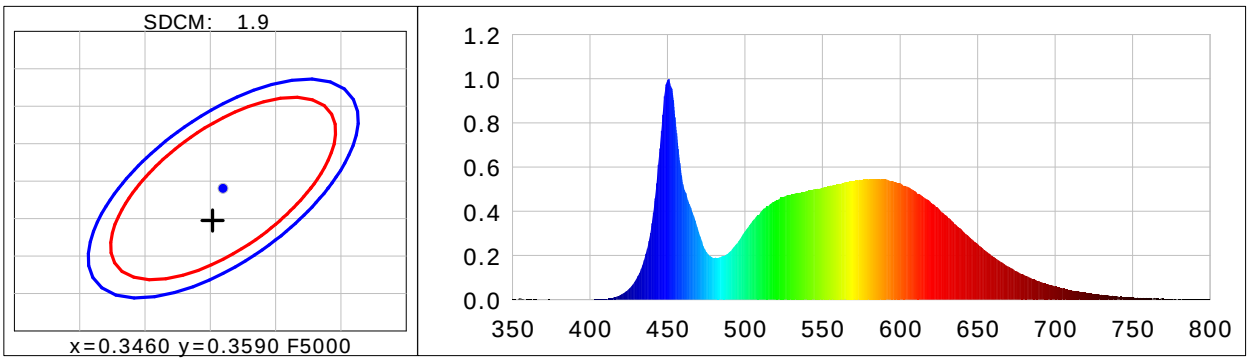
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3452 y=0.3547 u(u')=0.2103 v=0.3241 v'=0.4862
CCT: Tc=5008K (duv=0.00152) Color Ratio: R=0.157 G=0.800 B=0.043
Peak Wavelength: 450.6nm Half Bandwidth: 18.3nm
Dominant Wavelength: 571.1nm Color Purity: 0.100
Central Wave: 451.8nm Gravity Wave: 451.5nm
CRI: Ra= 82.3 TM30: Rf= 82, Rg= 96
GAI: GAI_BB_8=93.7, GAI_BB_15=99.4, GAI_EES=82.5

R1 =81	R2 =87	R3 =91	R4 =82	R5 =81	R6 =82	R7 =86	R8 =67
R9 =6	R10=69	R11=82	R12=59	R13=82	R14=95	R15=76	

Color Quality Scale: Qa= 80.5, Qf= 80.3, Qp= 81.4, Qg= 93.2

Q1 =83	Q2 =98	Q3 =75	Q4 =72	Q5 =79	Q6 =82	Q7 =85	Q8 =89
Q9 =96	Q10=85	Q11=81	Q12=80	Q13=81	Q14=71	Q15=75	



Photometric Parameters

Luminous Flux: 26768 lm Efficiency: 178.88 lm/W Radiant Power: 82.526 W
Total mains efficacy: 178.88 lm/W Energy Efficiency Class: C (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 218.83V Current: 0.6848A Power: 149.65W
Power Factor: 0.9987 Frequency: 49.99Hz DF: 0.9995

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 43618 (3979)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 29.70 ms

Condition: Tx:35.3'C, Ti:33.6'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-07-14 13:05:39
Inspector: