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

Product Infomation

Product Number: 216

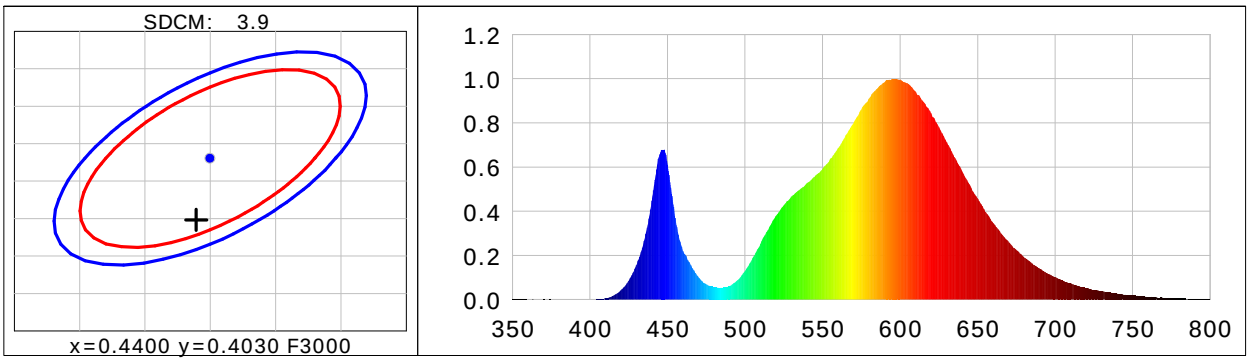
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4389 y=0.3948 u(u')=0.2559 v=0.3453 v'=0.5180
CCT: Tc=2990K (duv=-0.00397) Color Ratio: R=0.221 G=0.765 B=0.014
Peak Wavelength: 595.3nm Half Bandwidth: 111.1nm
Dominant Wavelength: 584.8nm Color Purity: 0.503
Central Wave: 590.9nm Gravity Wave: 592.2nm
CRI: Ra= 70.5 TM30: Rf= 70, Rg= 97
GAI: GAI_BB_8=103.6, GAI_BB_15=109.3, GAI_EES=56.3

R1 =67	R2 =81	R3 =92	R4 =67	R5 =66	R6 =74	R7 =75	R8 =42
R9 =-34	R10=56	R11=61	R12=47	R13=70	R14=95	R15=61	

Color Quality Scale: Qa= 69.0, Qf= 68.4, Qp= 75.1, Qg= 92.1

Q1 =65	Q2 =96	Q3 =66	Q4 =62	Q5 =68	Q6 =66	Q7 =65	Q8 =74
Q9 =94	Q10=77	Q11=71	Q12=69	Q13=71	Q14=59	Q15=61	



Photometric Parameters

Luminous Flux: 70443 lm Efficiency: 172.93 lm/W Radiant Power: 223.691 W
Total mains efficacy: 172.93 lm/W Energy Efficiency Class: B (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.44V Current: 1.8737A Power: 407.35W
Power Factor: 0.9907 Frequency: 49.99Hz DF: 0.9925

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44494 (3602)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 15.38 ms

Condition: Tx:33.4'C, Ti:33.4'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-07-05 11:01:50
Inspector: