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

Product Infomation

Product Number: 60

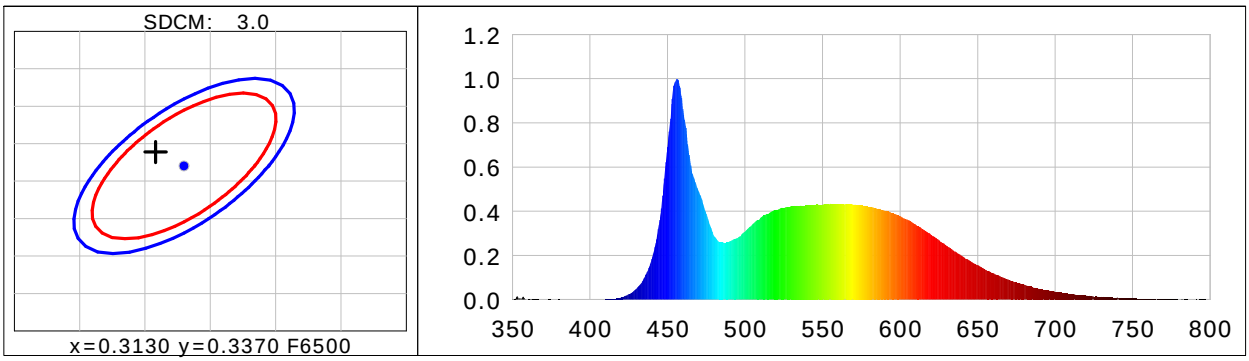
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3108 y=0.3389 u(u')=0.1929 v=0.3155 v'=0.4732
CCT: Tc=6532K (duv=0.00910) Color Ratio: R=0.129 G=0.808 B=0.063
Peak Wavelength: 456.2nm Half Bandwidth: 22.2nm
Dominant Wavelength: 494.9nm Color Purity: 0.073
Central Wave: 458.4nm Gravity Wave: 457.6nm
CRI: Ra= 81.9 TM30: Rf= 81, Rg= 89
GAI: GAI_BB_8=83.8, GAI_BB_15=90.6, GAI_EES=81.9

R1 =80	R2 =91	R3 =94	R4 =76	R5 =79	R6 =86	R7 =85	R8 =65
R9 =-2	R10=78	R11=75	R12=53	R13=84	R14=97	R15=73	

Color Quality Scale: Qa= 80.5, Qf= 81.0, Qp= 78.3, Qg= 87.2

Q1 =76	Q2 =95	Q3 =83	Q4 =73	Q5 =75	Q6 =75	Q7 =81	Q8 =87
Q9 =96	Q10=93	Q11=88	Q12=86	Q13=84	Q14=69	Q15=73	



Photometric Parameters

Luminous Flux: 19077 lm Efficiency: 125.55 lm/W Radiant Power: 75.305 W
Total mains efficacy: 125.55 lm/W Energy Efficiency Class: C (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.48V Current: 0.7014A Power: 151.95W
Power Factor: 0.9871 Frequency: 49.99Hz DF: 0.9948

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 43885 (2570)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 30.70 ms

Condition: Tx:23.5'C, Ti:23.5'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-10-22 07:29:10
Inspector: