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

Product Infomation

Product Number: 474

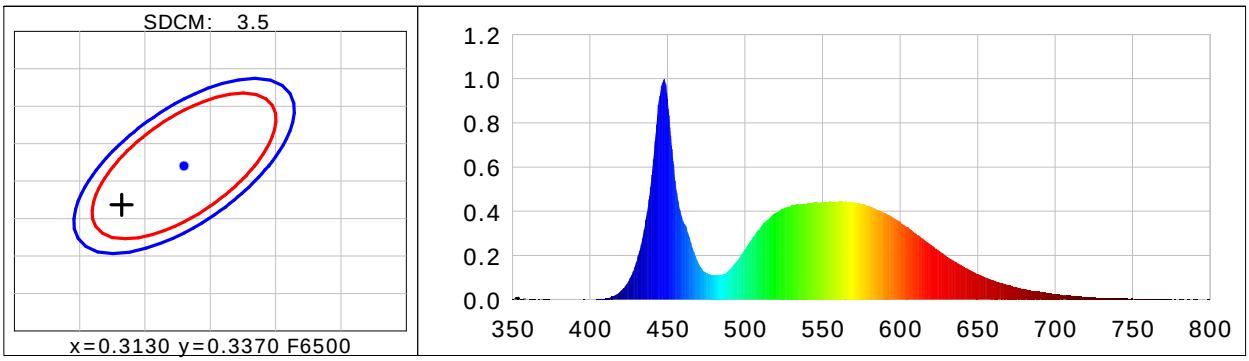
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3082 y=0.3318 u(u')=0.1937 v=0.3128 v'=0.4692
CCT: Tc=6726K (duv=0.00690) Color Ratio: R=0.117 G=0.844 B=0.040
Peak Wavelength: 447.8nm Half Bandwidth: 16.9nm
Dominant Wavelength: 491.0nm Color Purity: 0.086
Central Wave: 447.3nm Gravity Wave: 447.5nm
CRI: Ra= 71.4 TM30: Rf= 74, Rg= 92
GAI: GAI_BB_8=83.9, GAI_BB_15=89.6, GAI_EES=81.3

R1 =67	R2 =75	R3 =82	R4 =72	R5 =70	R6 =68	R7 =81	R8 =56
R9 =-46	R10=42	R11=71	R12=43	R13=69	R14=90	R15=60	

Color Quality Scale: Qa= 72.3, Qf= 72.0, Qp= 73.7, Qg= 87.3

Q1 =79	Q2 =95	Q3 =68	Q4 =63	Q5 =72	Q6 =74	Q7 =77	Q8 =85
Q9 =93	Q10=76	Q11=71	Q12=71	Q13=72	Q14=54	Q15=64	



Photometric Parameters

Luminous Flux: 22857 lm Efficiency: 156.21 lm/W Radiant Power: 86.062 W
Total mains efficacy: 156.21 lm/W Energy Efficiency Class: B (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.36V Current: 0.6681A Power: 146.32W
Power Factor: 0.9985 Frequency: 49.99Hz DF: 0.9993

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44460 (3744)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 25.42 ms

Condition: Tx:34.3'C, Ti:34.1'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-08-30 08:32:35
Inspector: