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

Product Infomation

Product Number: 214

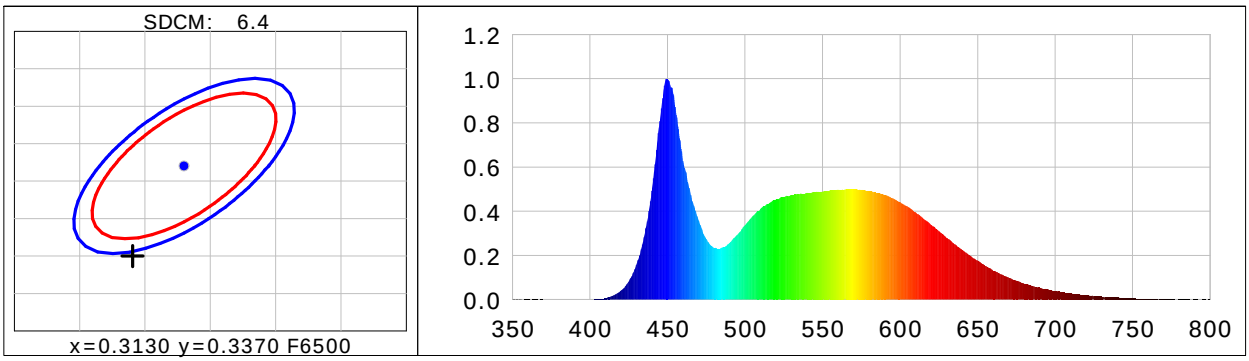
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3091 y=0.3250 u(u')=0.1968 v=0.3104 v'=0.4656
CCT: Tc=6744K (duv=0.00299) Color Ratio: R=0.132 G=0.815 B=0.053
Peak Wavelength: 449.5nm Half Bandwidth: 24.1nm
Dominant Wavelength: 487.2nm Color Purity: 0.088
Central Wave: 452.1nm Gravity Wave: 451.1nm
CRI: Ra= 81.2 TM30: Rf= 82, Rg= 94
GAI: GAI_BB_8=89.0, GAI_BB_15=94.2, GAI_EES=86.2

R1 =79	R2 =86	R3 =90	R4 =81	R5 =80	R6 =81	R7 =87	R8 =66
R9 =-6	R10=66	R11=80	R12=57	R13=81	R14=95	R15=73	

Color Quality Scale: Qa= 79.6, Qf= 79.7, Qp= 80.0, Qg= 90.5

Q1 =83	Q2 =98	Q3 =76	Q4 =71	Q5 =78	Q6 =81	Q7 =84	Q8 =89
Q9 =96	Q10=85	Q11=81	Q12=80	Q13=80	Q14=67	Q15=73	



Photometric Parameters

Luminous Flux: 29638 lm Efficiency: 101.07 lm/W Radiant Power: 144.455 W
Total mains efficacy: 101.07 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.69V Current: 1.3633A Power: 293.24W
Power Factor: 0.9791 Frequency: 49.99Hz DF: 0.9912

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46290 (3974)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 17.34 ms

Condition: Tx:34.9'C, Ti:32.8'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-07-07 12:30:50
Inspector: