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

Product Infomation

Product Number: 17

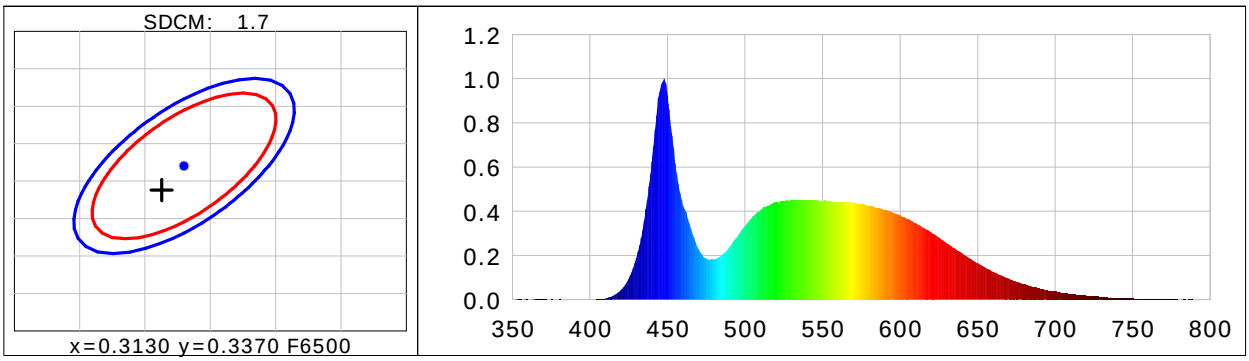
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3113 y=0.3338 u(u')=0.1951 v=0.3138 v'=0.4706
CCT: Tc=6546K (duv=0.00632) Color Ratio: R=0.129 G=0.820 B=0.050
Peak Wavelength: 447.8nm Half Bandwidth: 19.8nm
Dominant Wavelength: 502.2nm Color Purity: 0.074
Central Wave: 447.7nm Gravity Wave: 447.8nm
CRI: Ra= 80.8 TM30: Rf= 82, Rg= 96
GAI: GAI_BB_8=90.1, GAI_BB_15=94.4, GAI_EES=88.1

R1 =79	R2 =83	R3 =87	R4 =82	R5 =80	R6 =79	R7 =87	R8 =69
R9 =-1	R10=61	R11=82	R12=59	R13=79	R14=93	R15=73	

Color Quality Scale: Qa= 81.4, Qf= 81.0, Qp= 82.5, Qg= 92.2

Q1 =85	Q2 =97	Q3 =77	Q4 =75	Q5 =82	Q6 =84	Q7 =86	Q8 =91
Q9 =95	Q10=84	Q11=81	Q12=81	Q13=82	Q14=69	Q15=75	



Photometric Parameters

Luminous Flux: 15847 lm Efficiency: 108.24 lm/W Radiant Power: 65.079 W
Total mains efficacy: 108.24 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.41V Current: 0.6760A Power: 146.41W
Power Factor: 0.9871 Frequency: 49.99Hz DF: 0.9921

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 47000 (2073)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 40.49 ms

Condition: Tx:16.4'C, Ti:15.8'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-12-24 10:03:50
Inspector: