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

Product Infomation

Product Number: 13

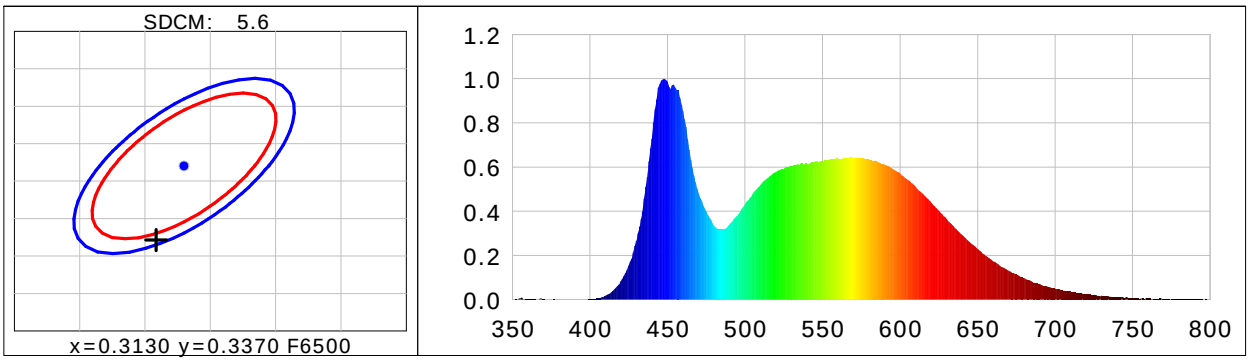
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3109 y=0.3271 u(u')=0.1973 v=0.3114 v'=0.4670
CCT: Tc=6622K (duv=0.00315) Color Ratio: R=0.133 G=0.814 B=0.054
Peak Wavelength: 447.8nm Half Bandwidth: 33.5nm
Dominant Wavelength: 488.1nm Color Purity: 0.080
Central Wave: 452.5nm Gravity Wave: 451.0nm
CRI: Ra= 81.4 TM30: Rf= 82, Rg= 94
GAI: GAI_BB_8=88.9, GAI_BB_15=93.6, GAI_EES=85.7

R1 =79	R2 =86	R3 =91	R4 =81	R5 =80	R6 =82	R7 =87	R8 =66
R9 =-6	R10=67	R11=80	R12=61	R13=81	R14=95	R15=73	

Color Quality Scale: Qa= 80.0, Qf= 80.2, Qp= 80.0, Qg= 90.3

Q1 =83	Q2 =98	Q3 =78	Q4 =73	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: 31143 lm Efficiency: 103.26 lm/W Radiant Power: 117.564 W
Total mains efficacy: 103.26 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.65V Current: 1.3900A Power: 301.60W
Power Factor: 0.9878 Frequency: 49.99Hz DF: 0.9970

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 43377 (3946)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 67.38 ms

Condition: Tx:34.5'C, Ti:33.6'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2024-09-06 12:57:57
Inspector: