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

Product Infomation

Product Number: 399

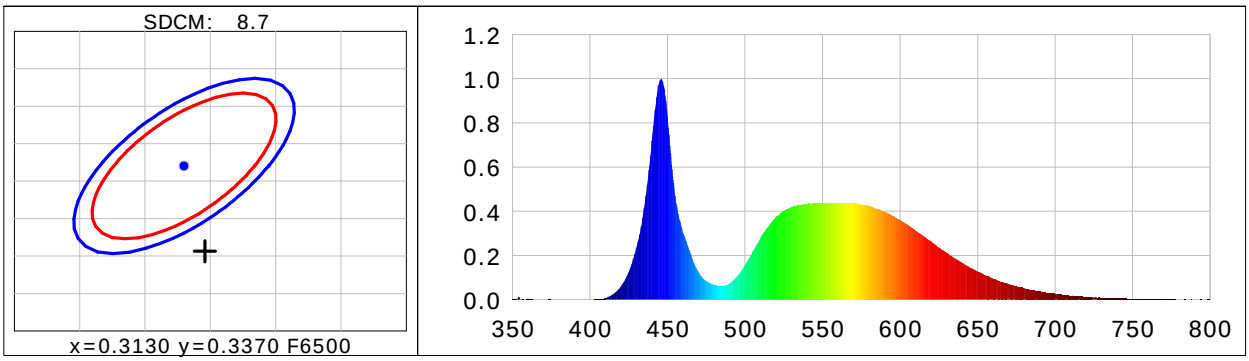
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3146 y=0.3256 u(u')=0.2004 v=0.3112 v'=0.4668
CCT: Tc=6428K (duv=0.00048) Color Ratio: R=0.125 G=0.843 B=0.032
Peak Wavelength: 445.9nm Half Bandwidth: 17.9nm
Dominant Wavelength: 486.3nm Color Purity: 0.069
Central Wave: 445.5nm Gravity Wave: 445.7nm
CRI: Ra= 70.1 TM30: Rf= 70, Rg= 95
GAI: GAI_BB_8=89.4, GAI_BB_15=94.6, GAI_EES=85.4

R1 =69	R2 =73	R3 =75	R4 =72	R5 =71	R6 =64	R7 =78	R8 =59
R9 =-36	R10=35	R11=72	R12=40	R13=69	R14=86	R15=64	

Color Quality Scale: Qa= 69.6, Qf= 68.0, Qp= 74.0, Qg= 90.3

Q1 =79	Q2 =91	Q3 =60	Q4 =57	Q5 =69	Q6 =72	Q7 =76	Q8 =86
Q9 =88	Q10=69	Q11=65	Q12=66	Q13=70	Q14=56	Q15=66	



Photometric Parameters

Luminous Flux: 7851.3 lm Efficiency: 143.85 lm/W Radiant Power: 20.795 W
Total mains efficacy: 143.85 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.55V Current: 0.2507A Power: 54.58W
Power Factor: 0.9917 Frequency: 49.99Hz DF: 0.9931

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46128 (1946)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 114.94 ms

Condition: Tx:13.6'C, Ti:12.4'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2024-12-16 10:30:33
Operator: Inspector: