NINGBO FREELUX LIGHTING APPLIANCE CO.,LTD.
www.freelux.com.cn
Tel: 0574-88847555
Fax: 0574-88901055

Lightsource Test Report

Product Infomation

Product Number: 18

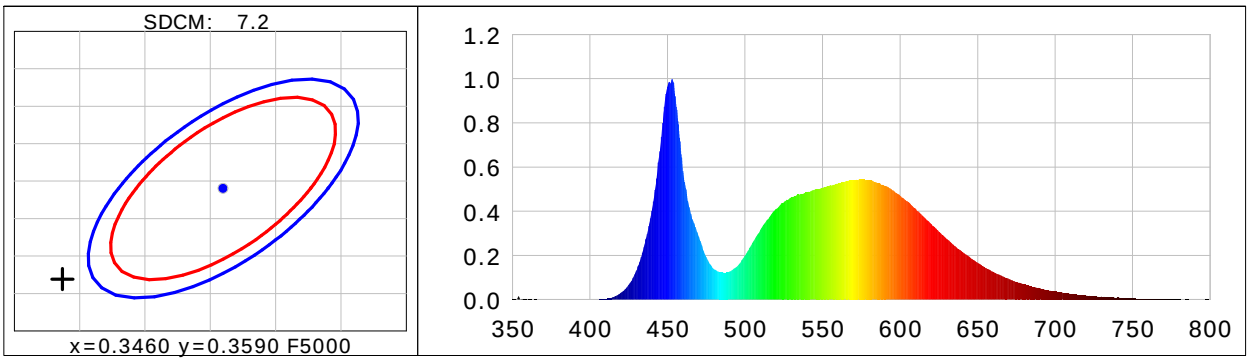
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3337 y=0.3469 u(u')=0.2055 v=0.3204 v'=0.4807
CCT: Tc=5450K (duv=0.00241) Color Ratio: R=0.135 G=0.827 B=0.038
Peak Wavelength: 453.1nm Half Bandwidth: 20.0nm
Dominant Wavelength: 555.7nm Color Purity: 0.042
Central Wave: 452.0nm Gravity Wave: 452.4nm
CRI: Ra= 73.4 TM30: Rf= 74, Rg= 92
GAI: GAI_BB_8=87.5, GAI_BB_15=94.4, GAI_EES=80.1

R1 =70	R2 =80	R3 =85	R4 =73	R5 =71	R6 =71	R7 =82	R8 =55
R9 =-35	R10=50	R11=69	R12=43	R13=72	R14=92	R15=65	

Color Quality Scale: Qa= 71.1, Qf= 70.9, Qp= 72.5, Qg= 88.2

Q1 =78	Q2 =96	Q3 =65	Q4 =58	Q5 =67	Q6 =71	Q7 =77	Q8 =84
Q9 =93	Q10=76	Q11=70	Q12=70	Q13=71	Q14=57	Q15=65	



Photometric Parameters

Luminous Flux: 15090 lm Efficiency: 133.32 lm/W Radiant Power: 56.816 W
Total mains efficacy: 133.32 lm/W Energy Efficiency Class: C (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.41V Current: 0.5192A Power: 113.19W
Power Factor: 0.9937 Frequency: 49.99Hz DF: 0.9962

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 48103 (2867)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 48.11 ms

Condition: Tx:26.2'C, Ti:25.1'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-10-20 09:32:58
Inspector: