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

Lightsource Test Report

Product Infomation

Product Number: 28

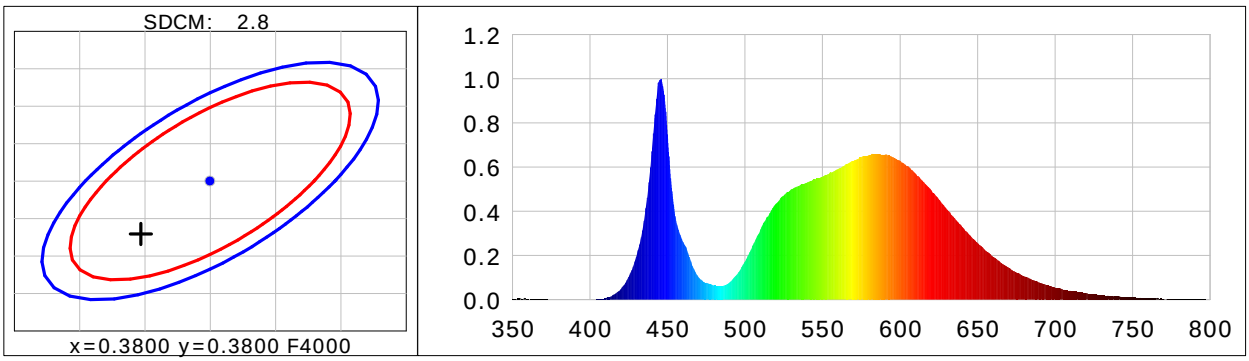
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3747 y=0.3729 u(u')=0.2228 v=0.3327 v'=0.4990
CCT: Tc=4134K (duv=-0.00008) Color Ratio: R=0.165 G=0.814 B=0.021
Peak Wavelength: 445.6nm Half Bandwidth: 15.3nm
Dominant Wavelength: 578.6nm Color Purity: 0.244
Central Wave: 445.2nm Gravity Wave: 445.5nm
CRI: Ra= 71.6 TM30: Rf= 72, Rg= 96
GAI: GAI_BB_8=91.5, GAI_BB_15=97.5, GAI_EES=74.1

R1 =70	R2 =77	R3 =83	R4 =72	R5 =69	R6 =68	R7 =80	R8 =54
R9 =-30	R10=45	R11=70	R12=41	R13=70	R14=90	R15=63	

Color Quality Scale: Qa= 71.9, Qf= 71.0, Qp= 74.7, Qg= 91.7

Q1 =75	Q2 =94	Q3 =64	Q4 =62	Q5 =71	Q6 =71	Q7 =74	Q8 =83
Q9 =92	Q10=75	Q11=72	Q12=72	Q13=74	Q14=60	Q15=65	



Photometric Parameters

Luminous Flux: 33501 lm Efficiency: 159.73 lm/W Radiant Power: 95.932 W
Total mains efficacy: 159.73 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.61V Current: 0.9677A Power: 209.74W
Power Factor: 0.9869 Frequency: 49.99Hz DF: 0.9892

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46706 (2096)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 21.98 ms

Condition: Tx:17.4'C, Ti:16.3'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-12-22 11:12:54
Operator: Inspector: