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

Lightsource Test Report

Product Infomation

Product Number: 785

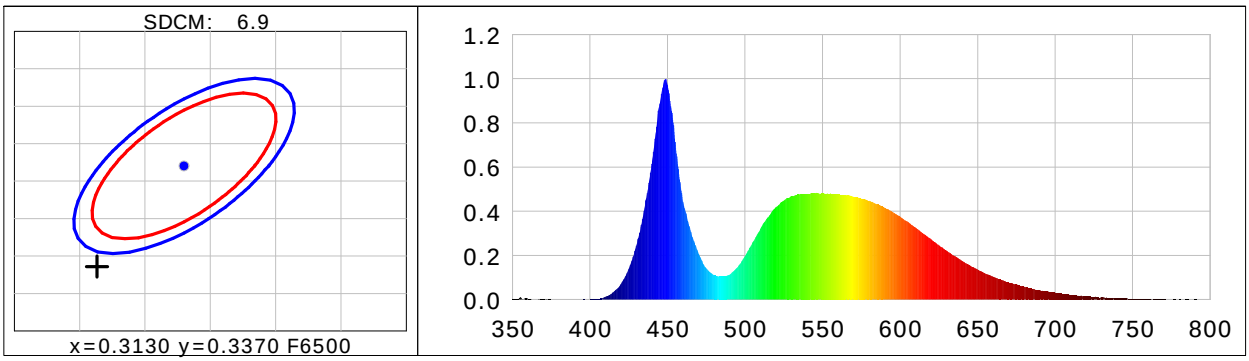
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3063 y=0.3236 u(u')=0.1954 v=0.3096 v'=0.4644
CCT: Tc=6718K (duv=0.00368) Color Ratio: R=0.119 G=0.842 B=0.038
Peak Wavelength: 448.7nm Half Bandwidth: 21.3nm
Dominant Wavelength: 496.7nm Color Purity: 0.098
Central Wave: 448.0nm Gravity Wave: 448.3nm
CRI: Ra= 71.9 TM30: Rf= 73, Rg= 93
GAI: GAI_BB_8=86.7, GAI_BB_15=92.4, GAI_EES=84.6

R1 =70	R2 =75	R3 =78	R4 =73	R5 =71	R6 =67	R7 =81	R8 =60
R9 =-34	R10=40	R11=71	R12=42	R13=70	R14=88	R15=64	

Color Quality Scale: Qa= 71.7, Qf= 70.8, Qp= 74.4, Qg= 88.9

Q1 =81	Q2 =94	Q3 =65	Q4 =59	Q5 =70	Q6 =73	Q7 =78	Q8 =86
Q9 =90	Q10=73	Q11=68	Q12=70	Q13=72	Q14=58	Q15=67	



Photometric Parameters

Luminous Flux: 5177.2 lm Efficiency: 104.38 lm/W Radiant Power: 23.462 W
Total mains efficacy: 104.38 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.28V Current: 0.2272A Power: 49.60W
Power Factor: 0.9957 Frequency: 49.99Hz DF: 1.0000

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 43242 (3666)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 99.72 ms

Condition: Tx:32.1'C, Ti:30.5'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-09-15 08:26:58
Inspector: