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

Lightsource Test Report

Product Infomation

Product Number: 141

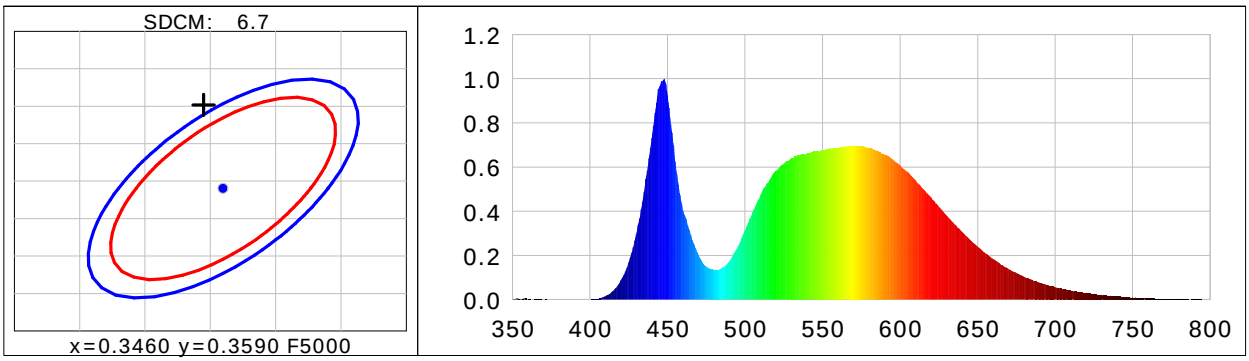
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3445 y=0.3701 u(u')=0.2041 v=0.3289 v'=0.4933
CCT: Tc=5078K (duv=0.00927) Color Ratio: R=0.136 G=0.833 B=0.031
Peak Wavelength: 447.8nm Half Bandwidth: 22.3nm
Dominant Wavelength: 565.3nm Color Purity: 0.145
Central Wave: 446.3nm Gravity Wave: 446.9nm
CRI: Ra= 71.7 TM30: Rf= 75, Rg= 94
GAI: GAI_BB_8=84.2, GAI_BB_15=89.6, GAI_EES=74.7

R1 =68	R2 =76	R3 =84	R4 =73	R5 =70	R6 =69	R7 =81	R8 =54
R9 =-40	R10=44	R11=71	R12=46	R13=69	R14=91	R15=60	

Color Quality Scale: Qa= 73.7, Qf= 73.7, Qp= 74.2, Qg= 88.9

Q1 =76	Q2 =95	Q3 =70	Q4 =67	Q5 =73	Q6 =74	Q7 =76	Q8 =85
Q9 =94	Q10=78	Q11=74	Q12=74	Q13=74	Q14=57	Q15=64	



Photometric Parameters

Luminous Flux: 22751 lm Efficiency: 113.01 lm/W Radiant Power: 71.549 W
Total mains efficacy: 113.01 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.51V Current: 0.9312A Power: 201.32W
Power Factor: 0.9849 Frequency: 49.99Hz DF: 0.9965

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 53855 (2724)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 55.93 ms

Condition: Tx:24.8'C, Ti:23.8'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-10-24 09:31:36
Inspector: