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

Lightsource Test Report

Product Infomation

Product Number: 38

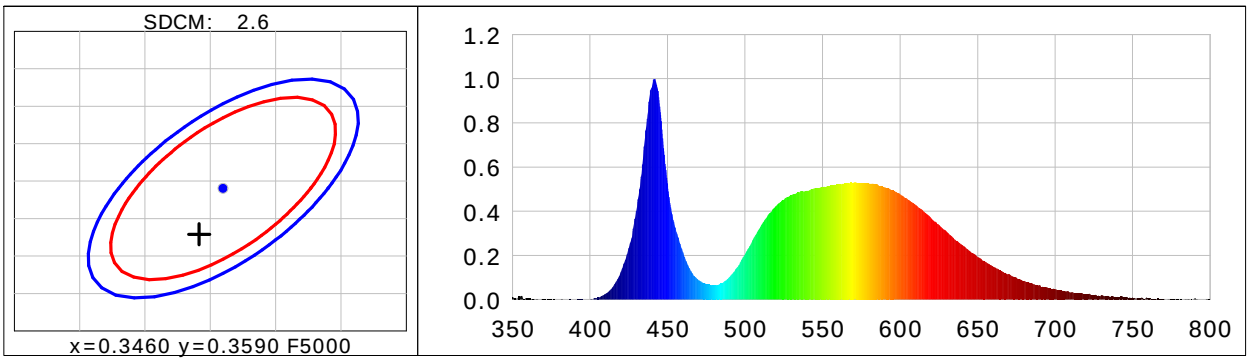
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3442 y=0.3529 u(u')=0.2103 v=0.3234 v'=0.4852
CCT: Tc=5040K (duv=0.00102) Color Ratio: R=0.144 G=0.830 B=0.026
Peak Wavelength: 441.6nm Half Bandwidth: 18.5nm
Dominant Wavelength: 571.1nm Color Purity: 0.092
Central Wave: 441.2nm Gravity Wave: 441.5nm
CRI: Ra= 70.7 TM30: Rf= 69, Rg= 98
GAI: GAI_BB_8=93.9, GAI_BB_15=96.5, GAI_EES=82.9

R1 =70	R2 =74	R3 =77	R4 =73	R5 =71	R6 =66	R7 =77	R8 =57
R9 =-29	R10=39	R11=74	R12=47	R13=69	R14=87	R15=64	

Color Quality Scale: Qa= 71.2, Qf= 69.5, Qp= 75.8, Qg= 93.1

Q1 =75	Q2 =90	Q3 =64	Q4 =64	Q5 =72	Q6 =72	Q7 =75	Q8 =86
Q9 =89	Q10=71	Q11=67	Q12=69	Q13=71	Q14=59	Q15=66	



Photometric Parameters

Luminous Flux: 14915 lm Efficiency: 151.02 lm/W Radiant Power: 32.629 W
Total mains efficacy: 151.02 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.21V Current: 0.4574A Power: 98.76W
Power Factor: 0.9881 Frequency: 49.99Hz DF: 0.9965

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 42781 (4309)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 177.49 ms

Condition: Tx:34.5'C, Ti:32.4'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2024-09-20 19:14:27
Inspector: