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

Lightsource Test Report

Product Infomation

Product Number: 28

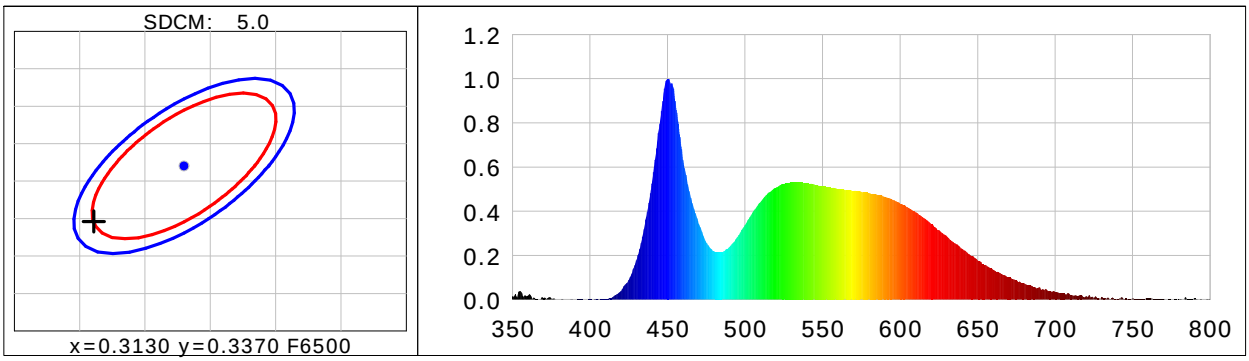
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3061 y=0.3296 u(u')=0.1930 v=0.3118 v'=0.4677
CCT: Tc=6766K (duv=0.00687) Color Ratio: R=0.128 G=0.821 B=0.050
Peak Wavelength: 450.5nm Half Bandwidth: 24.4nm
Dominant Wavelength: 500.0nm Color Purity: 0.095
Central Wave: 451.6nm Gravity Wave: 451.0nm
CRI: Ra= 80.4 TM30: Rf= 82, Rg= 94
GAI: GAI_BB_8=87.6, GAI_BB_15=92.9, GAI_EES=85.3

R1 =78	R2 =84	R3 =88	R4 =81	R5 =79	R6 =79	R7 =88	R8 =67
R9 =-7	R10=62	R11=80	R12=54	R13=79	R14=94	R15=72	

Color Quality Scale: Qa= 80.6, Qf= 80.5, Qp= 80.8, Qg= 90.6

Q1 =83	Q2 =98	Q3 =77	Q4 =73	Q5 =79	Q6 =81	Q7 =84	Q8 =89
Q9 =96	Q10=85	Q11=82	Q12=82	Q13=82	Q14=68	Q15=74	



Photometric Parameters

Luminous Flux: 1208.2 lm Efficiency: 82.10 lm/W Radiant Power: 3.765 W
Total mains efficacy: 82.10 lm/W Energy Efficiency Class: G (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.57V Current: 0.0722A Power: 14.72W
Power Factor: 0.9284 Frequency: 49.99Hz DF: 0.9964

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44293 (4498)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 557.53 ms

Condition: Tx:31.0'C, Ti:29.4'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-09-30 09:01:05
Inspector: