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

INVENTFINE®

Lightsource Test Report

Product Infomation

Product Number: 101

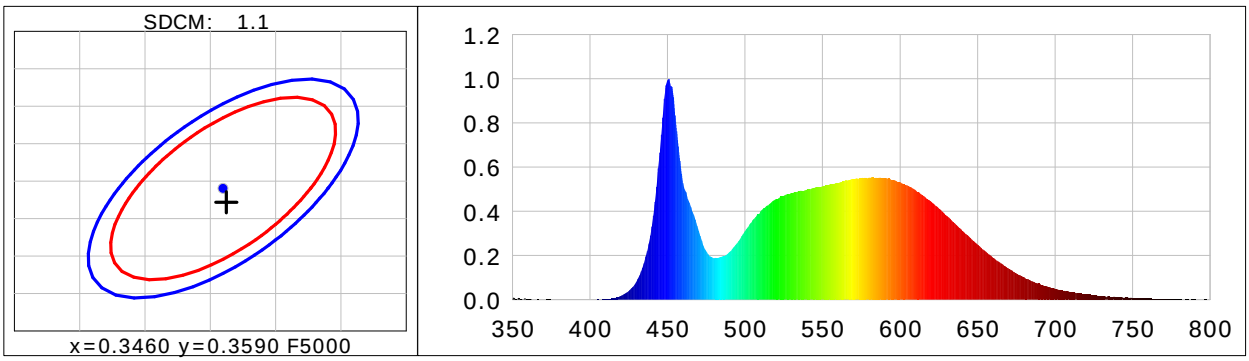
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3462 y=0.3572 u(u')=0.2101 v=0.3250 v'=0.4875
CCT: Tc=4977K (duv=0.00231) Color Ratio: R=0.156 G=0.801 B=0.042
Peak Wavelength: 450.7nm Half Bandwidth: 18.3nm
Dominant Wavelength: 570.9nm Color Purity: 0.111
Central Wave: 451.9nm Gravity Wave: 451.6nm
CRI: Ra= 81.8 TM30: Rf= 82, Rg= 94
GAI: GAI_BB_8=89.3, GAI_BB_15=96.3, GAI_EES=81.2

R1 =80	R2 =87	R3 =92	R4 =81	R5 =80	R6 =82	R7 =87	R8 =66
R9 =4	R10=69	R11=79	R12=52	R13=82	R14=96	R15=75	

Color Quality Scale: Qa= 81.0, Qf= 81.1, Qp= 81.0, Qg= 91.4

Q1 =82	Q2 =98	Q3 =76	Q4 =71	Q5 =78	Q6 =81	Q7 =84	Q8 =89
Q9 =97	Q10=87	Q11=83	Q12=83	Q13=83	Q14=71	Q15=76	



Photometric Parameters

Luminous Flux: 13778 lm Efficiency: 140.73 lm/W Radiant Power: 41.896 W
Total mains efficacy: 140.73 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.35V Current: 0.4477A Power: 97.91W
Power Factor: 0.9969 Frequency: 49.99Hz DF: 0.9986

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44324 (3514)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 66.79 ms

Condition: Tx:32.3'C, Ti:32.2'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-07-18 12:43:59
Inspector: