NINGBO FREELUX LIGHTING APPLIANCE CO.,LTD.
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INVENTFINE®

Lightsource Test Report

Product Infomation

Product Number: 100

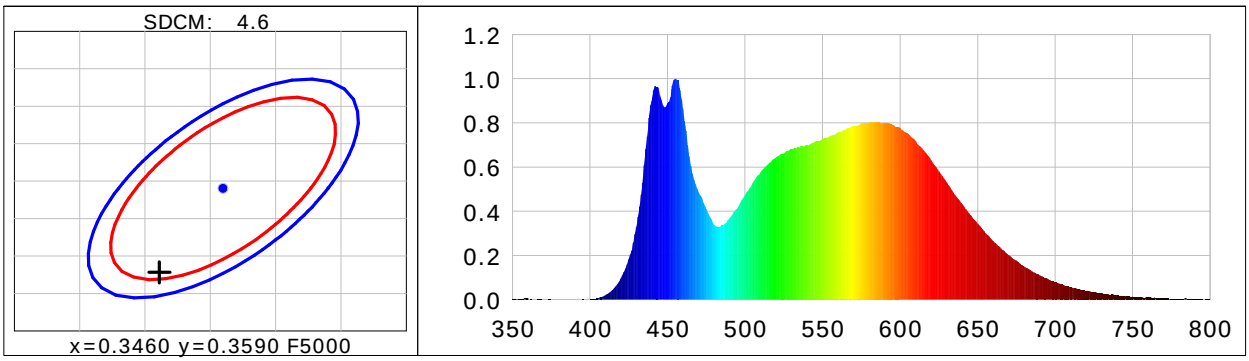
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3411 y=0.3478 u(u')=0.2102 v=0.3215 v'=0.4822
CCT: Tc=5146K (duv=-0.00030) Color Ratio: R=0.156 G=0.798 B=0.046
Peak Wavelength: 455.2nm Half Bandwidth: 35.8nm
Dominant Wavelength: 570.8nm Color Purity: 0.067
Central Wave: 451.4nm Gravity Wave: 452.6nm
CRI: Ra= 83.0 TM30: Rf= 83, Rg= 97
GAI: GAI_BB_8=95.1, GAI_BB_15=98.9, GAI_EES=84.9

R1 =82	R2 =88	R3 =92	R4 =83	R5 =83	R6 =84	R7 =86	R8 =66
R9 =4	R10=71	R11=83	R12=69	R13=83	R14=96	R15=76	

Color Quality Scale: Qa= 80.8, Qf= 80.7, Qp= 81.8, Qg= 93.4

Q1 =83	Q2 =97	Q3 =77	Q4 =74	Q5 =81	Q6 =84	Q7 =86	Q8 =90
Q9 =96	Q10=84	Q11=80	Q12=79	Q13=79	Q14=69	Q15=74	



Photometric Parameters

Luminous Flux: 52121 lm Efficiency: 133.19 lm/W Radiant Power: 121.662 W
Total mains efficacy: 133.19 lm/W Energy Efficiency Class: F (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.81V Current: 1.7965A Power: 391.33W
Power Factor: 0.9910 Frequency: 49.99Hz DF: 0.9932

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44560 (3360)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 78.84 ms

Condition: Tx:30.3'C, Ti:30.8'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2024-09-11 11:12:11
Inspector: