NINGBO FREELUX LIGHTING APPLIANCE CO.,LTD.
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# Lightsource Test Report

## Product Infomation

Product Number: 57

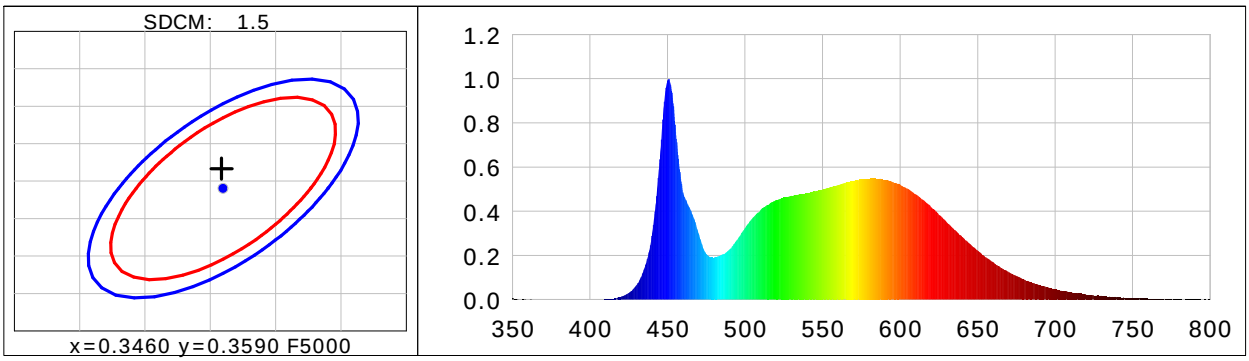
## CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3459 y=0.3617 u(u')=0.2081 v=0.3264 v'=0.4896
CCT: Tc=5006K (duv=0.00466) Color Ratio: R=0.152 G=0.805 B=0.043
Peak Wavelength: 450.7nm Half Bandwidth: 16.3nm
Dominant Wavelength: 568.8nm Color Purity: 0.123
Central Wave: 451.5nm Gravity Wave: 451.3nm
CRI: Ra= 80.6 TM30: Rf= 82, Rg= 95
GAI: GAI_BB_8=89.1, GAI_BB_15=95.4, GAI_EES=78.4

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =78 | R2 =86 | R3 =93 | R4 =80 | R5 =79 | R6 =82 | R7 =85 | R8 =62 |
| R9 =-9 | R10=68 | R11=79 | R12=56 | R13=80 | R14=96 | R15=71 | |

Color Quality Scale: Qa= 79.7, Qf= 80.0, Qp= 79.5, Qg= 90.8

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Q1 =80 | Q2 =98 | Q3 =76 | Q4 =73 | Q5 =79 | Q6 =81 | Q7 =84 | Q8 =88 |
| Q9 =97 | Q10=86 | Q11=82 | Q12=81 | Q13=80 | Q14=66 | Q15=72 | |




## Photometric Parameters

Luminous Flux: 152378 lm Efficiency: 154.18 lm/W Radiant Power: 536.823 W
Total mains efficacy: 154.18 lm/W Energy Efficiency Class: C (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

## Electric Parameters

Voltage: 219.29V Current: 4.5115A Power: 988.31W
Power Factor: 0.9990 Frequency: 49.99Hz DF: 1.0000

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46397 (2000)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 5.68 ms

Condition: Tx:15.3'C, Ti:13.4'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-02-12 15:08:00
Operator: Inspector: