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

## Product Infomation

Product Number: 24

## CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3114 y=0.3341 u(u')=0.1950 v=0.3139 v'=0.4708
CCT: Tc=6534K (duv=0.00644) Color Ratio: R=0.129 G=0.820 B=0.051
Peak Wavelength: 448.0nm Half Bandwidth: 20.7nm
Dominant Wavelength: 492.2nm Color Purity: 0.073
Central Wave: 448.0nm Gravity Wave: 448.0nm
CRI: Ra= 80.9 TM30: Rf= 82, Rg= 96
GAI: GAI_BB_8=89.9, GAI_BB_15=94.2, GAI_EES=87.8

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|---|---|---|---|---|---|---|---|
| R1 =79 | R2 =83 | R3 =88 | R4 =82 | R5 =80 | R6 =79 | R7 =87 | R8 =69 |
| R9 =-1 | R10=62 | R11=82 | R12=59 | R13=79 | R14=93 | R15=73 | |

Color Quality Scale: Qa= 81.3, Qf= 81.1, Qp= 82.4, Qg= 92.1

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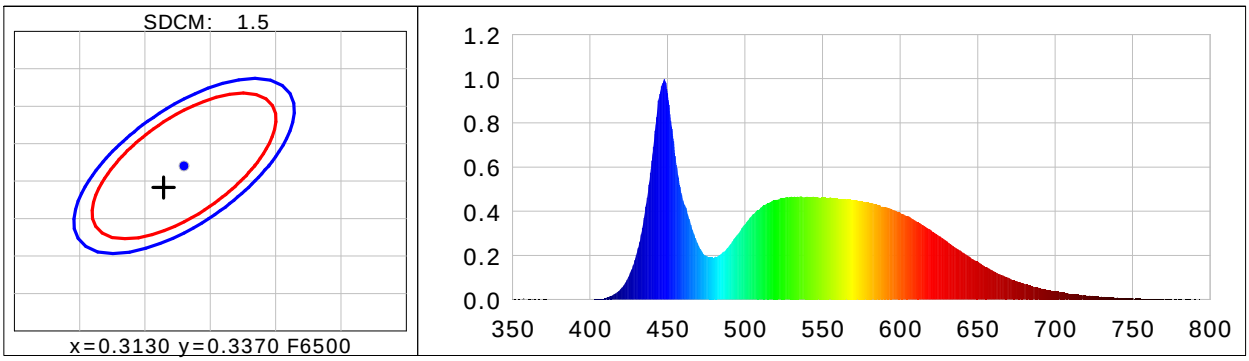
|---|---|---|---|---|---|---|---|
| Q1 =85 | Q2 =97 | Q3 =77 | Q4 =75 | Q5 =82 | Q6 =83 | Q7 =86 | Q8 =90 |
| Q9 =95 | Q10=84 | Q11=82 | Q12=81 | Q13=82 | Q14=69 | Q15=75 | |




## Photometric Parameters

Luminous Flux: 5564.3 lm Efficiency: 109.75 lm/W Radiant Power: 23.315 W
Total mains efficacy: 109.75 lm/W Energy Efficiency Class: D (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

## Electric Parameters

Voltage: 219.61V Current: 0.2329A Power: 50.70W
Power Factor: 0.9912 Frequency: 49.99Hz DF: 0.9938

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 46540 (2126)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 115.90 ms

Condition: Tx:16.8'C, Ti:16.3'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-12-24 10:30:28
Operator: Inspector: