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

## Product Infomation

Product Number: 478

## CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3077 y=0.3357 u(u')=0.1919 v=0.3141 v'=0.4711
CCT: Tc=6722K (duv=0.00910) Color Ratio: R=0.117 G=0.836 B=0.047
Peak Wavelength: 456.0nm Half Bandwidth: 18.2nm
Dominant Wavelength: 492.9nm Color Purity: 0.085
Central Wave: 456.2nm Gravity Wave: 456.2nm
CRI: Ra= 73.1 TM30: Rf= 74, Rg= 88
GAI: GAI_BB_8=79.9, GAI_BB_15=88.1, GAI_EES=77.4

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =69 | R2 =80 | R3 =86 | R4 =69 | R5 =69 | R6 =72 | R7 =84 | R8 =56 |
| R9 =-39 | R10=51 | R11=64 | R12=36 | R13=72 | R14=92 | R15=63 | |

Color Quality Scale: Qa= 71.8, Qf= 72.1, Qp= 71.0, Qg= 84.4

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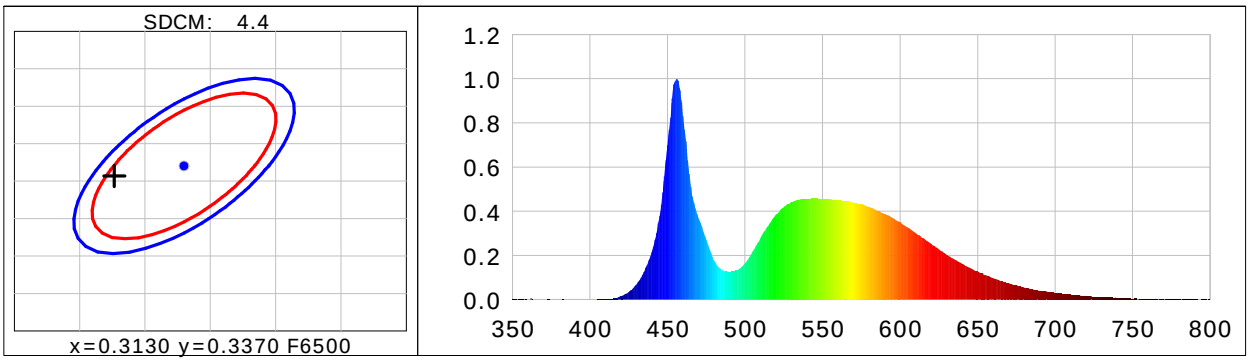
|---|---|---|---|---|---|---|---|
| Q1 =76 | Q2 =98 | Q3 =70 | Q4 =58 | Q5 =64 | Q6 =67 | Q7 =74 | Q8 =83 |
| Q9 =94 | Q10=81 | Q11=74 | Q12=75 | Q13=75 | Q14=58 | Q15=66 | |




## Photometric Parameters

Luminous Flux: 29967 lm Efficiency: 153.66 lm/W Radiant Power: 118.128 W
Total mains efficacy: 153.66 lm/W Energy Efficiency Class: B (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

## Electric Parameters

Voltage: 219.49V Current: 0.8912A Power: 195.02W
Power Factor: 0.9989 Frequency: 50.00Hz DF: 1.0000

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45277 (3164)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 18.43 ms

Condition: Tx:29.5'C, Ti:27.6'C, R.H.:60%
Test Lab:
Operator:
Test Device: CMS-3500S
Test Time: 2025-08-30 12:38:13
Inspector: