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

Product Infomation

Product Number: 834

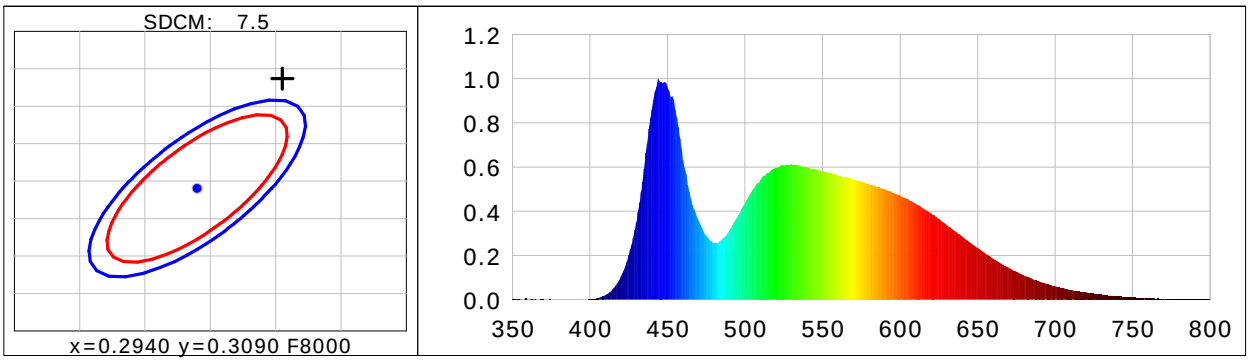
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3005 y=0.3236 u(u')=0.1913 v=0.3091 v'=0.4636
CCT: Tc=6868K (duv=0.00679) Color Ratio: R=0.128 G=0.819 B=0.052
Peak Wavelength: 444.2nm Half Bandwidth: 30.4nm
Dominant Wavelength: 487.8nm Color Purity: 0.118
Central Wave: 448.5nm Gravity Wave: 447.0nm
CRI: Ra= 82.3 TM30: Rf= 84, Rg= 97
GAI: GAI_BB_8=90.5, GAI_BB_15=94.4, GAI_EES=89.4

R1 =80	R2 =84	R3 =87	R4 =83	R5 =82	R6 =80	R7 =88	R8 =73
R9 =10	R10=63	R11=83	R12=62	R13=81	R14=93	R15=76	

Color Quality Scale: Qa= 83.8, Qf= 83.5, Qp= 84.7, Qg= 93.1

Q1 =87	Q2 =97	Q3 =80	Q4 =78	Q5 =84	Q6 =85	Q7 =87	Q8 =92
Q9 =95	Q10=85	Q11=84	Q12=84	Q13=85	Q14=73	Q15=79	



Photometric Parameters

Luminous Flux: 18084 lm Efficiency: 116.64 lm/W Radiant Power: 58.988 W
Total mains efficacy: 116.64 lm/W Energy Efficiency Class: E (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 126.06V Current: 1.3343A Power: 155.04W
Power Factor: 0.9218 Frequency: 59.99Hz DF: 0.9908

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 45041 (3188)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 42.18 ms

Condition: Tx:29.3'C, Ti:28.2'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-09-16
Operator: Inspector: