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

Product Infomation

Product Number: 288

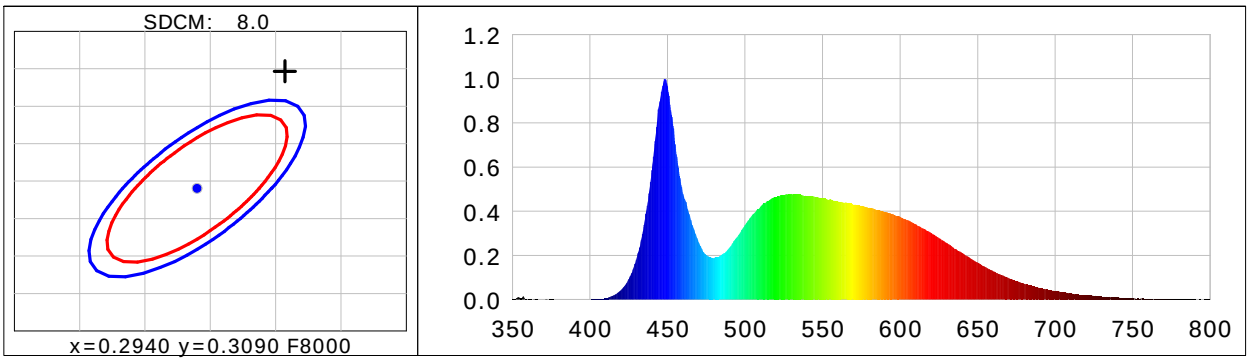
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3007 y=0.3246 u(u')=0.1911 v=0.3095 v'=0.4642
CCT: Tc=6742K (duv=0.00719) Color Ratio: R=0.126 G=0.822 B=0.052
Peak Wavelength: 448.4nm Half Bandwidth: 21.0nm
Dominant Wavelength: 488.2nm Color Purity: 0.116
Central Wave: 448.9nm Gravity Wave: 448.6nm
CRI: Ra= 81.0 TM30: Rf= 82, Rg= 96
GAI: GAI_BB_8=89.0, GAI_BB_15=93.7, GAI_EES=87.9

R1 =79	R2 =83	R3 =87	R4 =82	R5 =80	R6 =79	R7 =88	R8 =70
R9 =1	R10=61	R11=81	R12=57	R13=79	R14=93	R15=73	

Color Quality Scale: Qa= 82.1, Qf= 81.9, Qp= 82.9, Qg= 91.9

Q1 =85	Q2 =97	Q3 =78	Q4 =75	Q5 =82	Q6 =84	Q7 =86	Q8 =91
Q9 =96	Q10=85	Q11=83	Q12=83	Q13=83	Q14=70	Q15=76	



Photometric Parameters

Luminous Flux: 43588 lm Efficiency: 124.72 lm/W Radiant Power: 182.791 W
Total mains efficacy: 124.72 lm/W Energy Efficiency Class: C (EU 2019/2015)
Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.44V Current: 1.6243A Power: 349.49W
Power Factor: 0.9805 Frequency: 49.99Hz DF: 0.9911

Test Infomation
Scan Range: 350~800:1nm
Stabilization Time: 0 Min ALC.: 1.0000
Max of Signal: 44604 (3188)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4∏
CCD Integration Time: 14.01 ms

Condition: Tx:29.6'C, Ti:27.7'C, R.H.:60% Test Device: CMS-3500S
Test Lab: Test Time: 2025-10-16 09:42:05
Operator: Inspector: