



Lightsource Test Report

Product Infomation

Product Number: 27

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3054$ $y=0.3298$ $u(u')=0.1925$ $v=0.3118$ $v'=0.4677$

CCT: $T_c=6704K$ ($duv=0.00732$)

Color Ratio: $R=0.127$ $G=0.824$ $B=0.049$

Peak Wavelength: 449.3nm

Half Bandwidth: 24.0nm

Dominant Wavelength: 490.1nm

Color Purity: 0.097

Central Wave: 450.3nm

Gravity Wave: 449.9nm

CRI: $R_a = 79.5$

TM30: $R_f = 81$, $R_g = 94$

GAI: $GAI_BB_8=87.5$, $GAI_BB_15=92.6$, $GAI_EES=85.3$

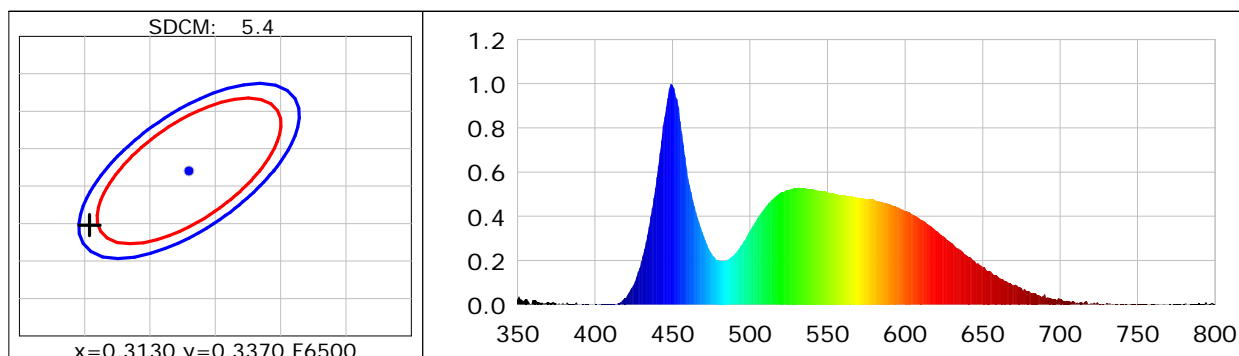
$R1 = 77$ $R2 = 83$ $R3 = 87$ $R4 = 80$ $R5 = 78$ $R6 = 78$ $R7 = 87$ $R8 = 66$

$R9 = -11$ $R10 = 59$ $R11 = 79$ $R12 = 54$ $R13 = 78$ $R14 = 93$ $R15 = 71$

Color Quality Scale: $Q_a = 80.1$, $Q_f = 80.1$, $Q_p = 80.6$, $Q_g = 90.6$

$Q1 = 83$ $Q2 = 97$ $Q3 = 76$ $Q4 = 73$ $Q5 = 79$ $Q6 = 81$ $Q7 = 84$ $Q8 = 89$

$Q9 = 95$ $Q10 = 84$ $Q11 = 82$ $Q12 = 82$ $Q13 = 82$ $Q14 = 67$ $Q15 = 73$



Photometric Parameters

Luminous Flux: 609.50 lm

Efficiency: 83.27 lm/W

Radiant Power: 1.879 W

Total mains efficacy: 83.27 lm/W Energy Efficiency Class: G (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.61V

Current: 0.0359A

Power: 7.32W

Power Factor: 0.9274

Frequency: 49.99Hz

DF: 0.9960

Test Infomation

Scan Range: 350~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 2.00m, 4T

Max of Signal: 49871 (5130)

CCD Integration Time: 1216.49 ms

Condition: Tx: 31.0°C, Ti: 29.4°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-09-30 08:59:06

Operator:

Inspector: