



Lightsource Test Report

Product Infomation

Product Number: 494

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3716$ $y=0.3710$ $u(u')=0.2216$ $v=0.3318$ $v'=0.4977$

CCT: $T_c=4210K$ ($duv=-0.00003$)

Color Ratio: $R=0.161$ $G=0.805$ $B=0.034$

Peak Wavelength: 456.0nm

Half Bandwidth: 18.8nm

Dominant Wavelength: 578.3nm

Color Purity: 0.229

Central Wave: 456.3nm

Gravity Wave: 456.2nm

CRI: $R_a=73.0$

TM30: $R_f=74$, $R_g=89$

GAI: $GAI_BB_8=85.4$, $GAI_BB_15=95.1$, $GAI_EES=70.1$

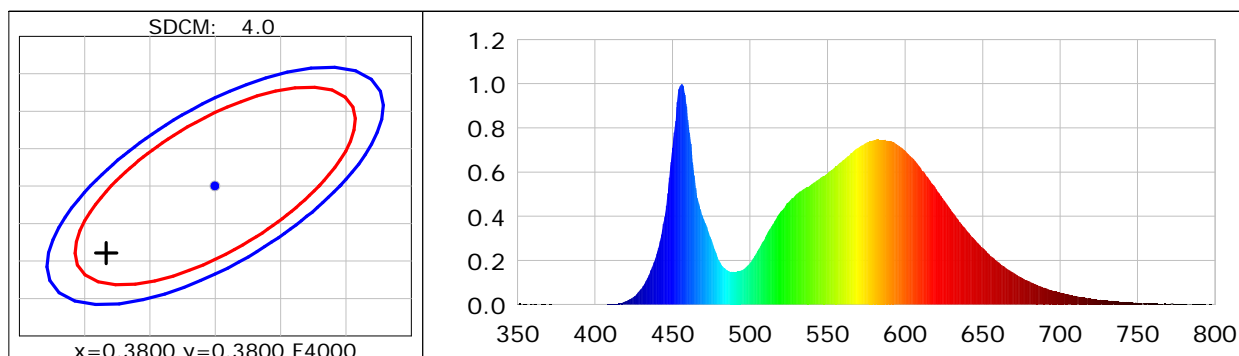
$R1=70$ $R2=83$ $R3=91$ $R4=67$ $R5=69$ $R6=75$ $R7=79$ $R8=49$

$R9=-36$ $R10=59$ $R11=62$ $R12=42$ $R13=73$ $R14=95$ $R15=63$

Color Quality Scale: $Q_a=71.2$, $Q_f=71.6$, $Q_p=70.6$, $Q_g=86.2$

$Q1=75$ $Q2=98$ $Q3=68$ $Q4=58$ $Q5=64$ $Q6=68$ $Q7=73$ $Q8=82$

$Q9=95$ $Q10=82$ $Q11=74$ $Q12=72$ $Q13=72$ $Q14=58$ $Q15=64$



Photometric Parameters

Luminous Flux: 12359 lm

Efficiency: 154.91 lm/W

Radiant Power: 44.422 W

Total mains efficacy: 154.91 lm/W Energy Efficiency Class: B (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.46V

Current: 0.3653A

Power: 79.78W

Power Factor: 0.9950

Frequency: 49.99Hz

DF: 0.9971

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: 45092 (3396)

CCD Integration Time: 69.13 ms

Condition: Tx: 30.6°C, Ti: 29.6°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-09-01 09:06:29

Inspector: