



Lightsource Test Report

Product Infomation

Product Number: 425

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3715$ $y=0.3702$ $u(u')=0.2218$ $v=0.3315$ $v'=0.4973$

CCT: $T_c=4209K$ ($duv=-0.00039$)

Color Ratio: $R=0.162$ $G=0.804$ $B=0.034$

Peak Wavelength: 455.9nm

Half Bandwidth: 18.3nm

Dominant Wavelength: 578.5nm

Color Purity: 0.226

Central Wave: 456.1nm

Gravity Wave: 456.1nm

CRI: $R_a=73.2$

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

GAI: $GAI_BB_8=86.0$, $GAI_BB_15=95.7$, $GAI_EES=70.6$

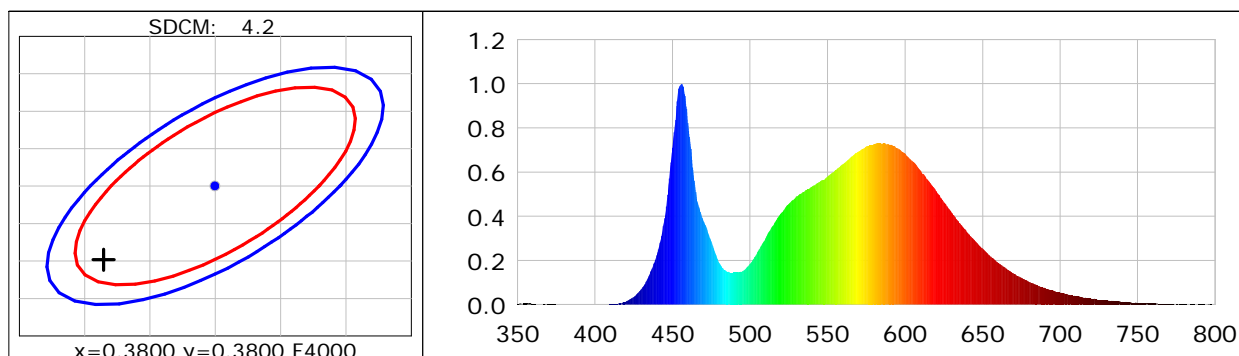
$R1=70$ $R2=84$ $R3=91$ $R4=68$ $R5=69$ $R6=75$ $R7=79$ $R8=49$

$R9=-35$ $R10=59$ $R11=62$ $R12=42$ $R13=73$ $R14=95$ $R15=64$

Color Quality Scale: $Q_a=71.3$, $Q_f=71.7$, $Q_p=70.9$, $Q_g=86.5$

$Q1=75$ $Q2=98$ $Q3=68$ $Q4=58$ $Q5=64$ $Q6=68$ $Q7=74$ $Q8=82$

$Q9=95$ $Q10=81$ $Q11=74$ $Q12=72$ $Q13=72$ $Q14=59$ $Q15=65$



Photometric Parameters

Luminous Flux: 12592 lm

Efficiency: 154.47 lm/W

Radiant Power: 43.075 W

Total mains efficacy: 154.47 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 110.50V

Current: 0.7381A

Power: 81.52W

Power Factor: 0.9996

Frequency: 49.99Hz

DF: 1.0000

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: 44958 (3751)

CCD Integration Time: 69.67 ms

Condition: Tx: 33.3°C, Ti: 32.9°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-08-23 08:41:03

Operator:

Inspector: