



Lightsource Test Report

Product Infomation

Product Number: 50

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3425$ $y=0.3516$ $u(u')=0.2097$ $v=0.3229$ $v'=0.4843$

CCT: $T_c=5100K$ ($duv=0.00103$)

Color Ratio: $R=0.142$ $G=0.831$ $B=0.027$

Peak Wavelength: 441.9nm

Half Bandwidth: 19.1nm

Dominant Wavelength: 570.1nm

Color Purity: 0.083

Central Wave: 441.4nm

Gravity Wave: 441.6nm

CRI: $R_a=70.7$

TM30: $R_f=70$, $R_g=98$

GAI: $GAI_BB_8=93.7$, $GAI_BB_15=96.4$, $GAI_EES=83.2$

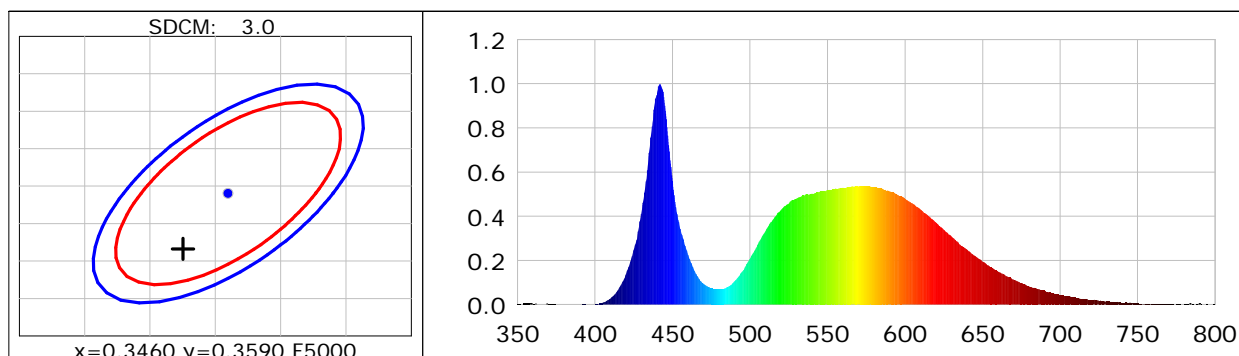
$R1=70$ $R2=74$ $R3=77$ $R4=73$ $R5=71$ $R6=66$ $R7=77$ $R8=58$

$R9=-29$ $R10=39$ $R11=74$ $R12=47$ $R13=69$ $R14=87$ $R15=64$

Color Quality Scale: $Q_a=71.1$, $Q_f=69.5$, $Q_p=75.8$, $Q_g=93.0$

$Q1=76$ $Q2=90$ $Q3=63$ $Q4=63$ $Q5=72$ $Q6=72$ $Q7=75$ $Q8=86$

$Q9=89$ $Q10=71$ $Q11=67$ $Q12=68$ $Q13=71$ $Q14=59$ $Q15=66$



Photometric Parameters

Luminous Flux: 23323 lm

Efficiency: 152.32 lm/W

Radiant Power: 51.697 W

Total mains efficacy: 152.32 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.51V

Current: 0.7064A

Power: 153.12W

Power Factor: 0.9875

Frequency: 49.99Hz

DF: 0.9971

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 44708 (3623)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 118.71 ms

Condition: Tx: 31.1°C, Ti: 29.6°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-09-22 12:51:41

Inspector: