



Lightsource Test Report

Product Infomation

Product Number: 820

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4357$ $y=0.3987$ $u(u')=0.2521$ $v=0.3461$ $v'=0.5191$

CCT: $T_c=2977K$ ($duv=-0.00197$)

Color Ratio: $R=0.230$ $G=0.744$ $B=0.025$

Peak Wavelength: 604.9nm

Half Bandwidth: 118.4nm

Dominant Wavelength: 583.6nm

Color Purity: 0.505

Central Wave: 593.7nm

Gravity Wave: 597.5nm

CRI: $R_a=81.4$

TM30: $R_f=83$, $R_g=96$

GAI: $GAI_BB_8=98.3$, $GAI_BB_15=104.7$, $GAI_EES=55.8$

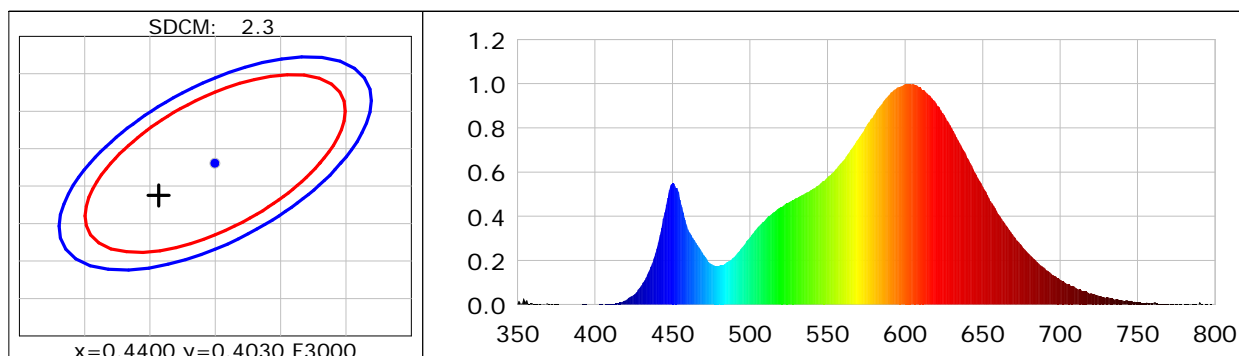
$R1=80$ $R2=91$ $R3=95$ $R4=80$ $R5=81$ $R6=90$ $R7=80$ $R8=55$

$R9=-0$ $R10=80$ $R11=79$ $R12=73$ $R13=83$ $R14=98$ $R15=72$

Color Quality Scale: $Q_a=80.9$, $Q_f=82.2$, $Q_p=83.2$, $Q_g=92.0$

$Q1=76$ $Q2=95$ $Q3=82$ $Q4=79$ $Q5=82$ $Q6=83$ $Q7=82$ $Q8=84$

$Q9=95$ $Q10=89$ $Q11=85$ $Q12=81$ $Q13=80$ $Q14=70$ $Q15=72$



Photometric Parameters

Luminous Flux: 5038.3 lm

Efficiency: 103.84 lm/W

Radiant Power: 19.322 W

Total mains efficacy: 103.84 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 218.58V

Current: 0.2229A

Power: 48.52W

Power Factor: 0.9958

Frequency: 49.99Hz

DF: 0.9984

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: 46201 (3913)

CCD Integration Time: 213.58 ms

Condition: Tx: 31.8°C, Ti: 30.6°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-09-16 08:07:06

Operator:

Inspector: