



Lightsource Test Report

Product Infomation

Product Number: 202

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3119$ $y=0.3409$ $u(u')=0.1930$ $v=0.3163$ $v'=0.4744$

CCT: $T_c=6662K$ ($duv=0.00952$)

Color Ratio: $R=0.128$ $G=0.809$ $B=0.062$

Peak Wavelength: 456.2nm

Half Bandwidth: 22.5nm

Dominant Wavelength: 496.3nm

Color Purity: 0.068

Central Wave: 458.5nm

Gravity Wave: 457.7nm

CRI: $R_a=81.3$

TM30: $R_f=80$, $R_g=89$

GAI: $GAI_BB_8=83.2$, $GAI_BB_15=90.0$, $GAI_EES=81.0$

$R1=79$

$R2=90$

$R3=94$

$R4=75$

$R5=79$

$R6=86$

$R7=85$

$R8=64$

$R9=-6$

$R10=76$

$R11=75$

$R12=53$

$R13=83$

$R14=97$

$R15=72$

Color Quality Scale: $Q_a=80.1$, $Q_f=80.6$, $Q_p=77.8$, $Q_g=86.8$

$Q1=76$

$Q2=95$

$Q3=83$

$Q4=73$

$Q5=75$

$Q6=75$

$Q7=80$

$Q8=87$

$Q9=96$

$Q10=92$

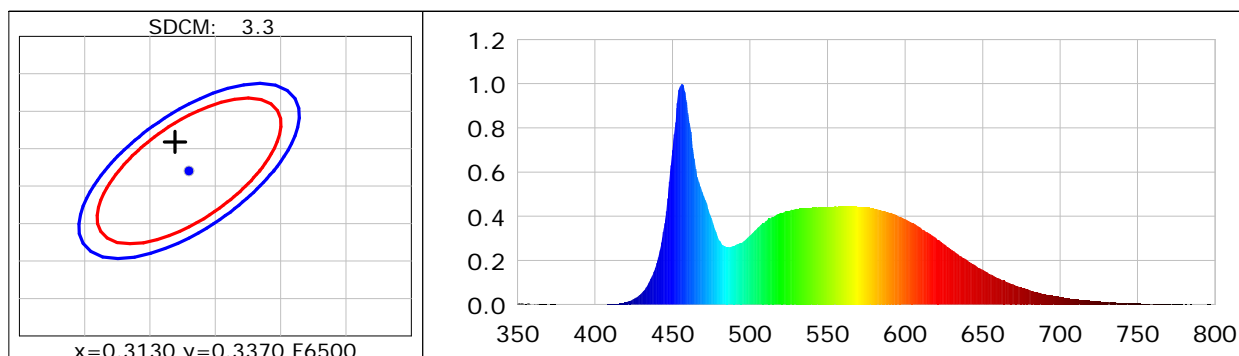
$Q11=87$

$Q12=85$

$Q13=83$

$Q14=68$

$Q15=72$



Photometric Parameters

Luminous Flux: 12437 lm

Efficiency: 122.85 lm/W

Radiant Power: 55.117 W

Total mains efficacy: 122.85 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.55V

Current: 0.4676A

Power: 101.24W

Power Factor: 0.9862

Frequency: 49.99Hz

DF: 0.9939

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 46453 (2553)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 45.24 ms

Condition: Tx: 23.4°C, Ti: 23.5°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-28 12:53:34

Inspector: