



Lightsource Test Report

Product Infomation

Product Number: 41

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4498$ $y=0.4096$ $u(u')=0.2565$ $v=0.3503$ $v'=0.5255$

CCT: $T_c=2839K$ ($duv=0.00059$)

Color Ratio: $R=0.239$ $G=0.739$ $B=0.022$

Peak Wavelength: 604.9nm

Half Bandwidth: 119.1nm

Dominant Wavelength: 583.3nm

Color Purity: 0.580

Central Wave: 596.4nm

Gravity Wave: 599.3nm

CRI: $R_a=81.7$

TM30: $R_f=84$, $R_g=96$

GAI: $GAI_BB_8=91.4$, $GAI_BB_15=99.6$, $GAI_EES=48.3$

$R1=80$

$R2=90$

$R3=97$

$R4=80$

$R5=80$

$R6=89$

$R7=81$

$R8=56$

$R9=2$

$R10=78$

$R11=80$

$R12=69$

$R13=82$

$R14=99$

$R15=72$

Color Quality Scale: $Q_a=81.8$, $Q_f=83.7$, $Q_p=82.9$, $Q_g=90.6$

$Q1=77$

$Q2=94$

$Q3=83$

$Q4=80$

$Q5=83$

$Q6=83$

$Q7=83$

$Q8=85$

$Q9=95$

$Q10=90$

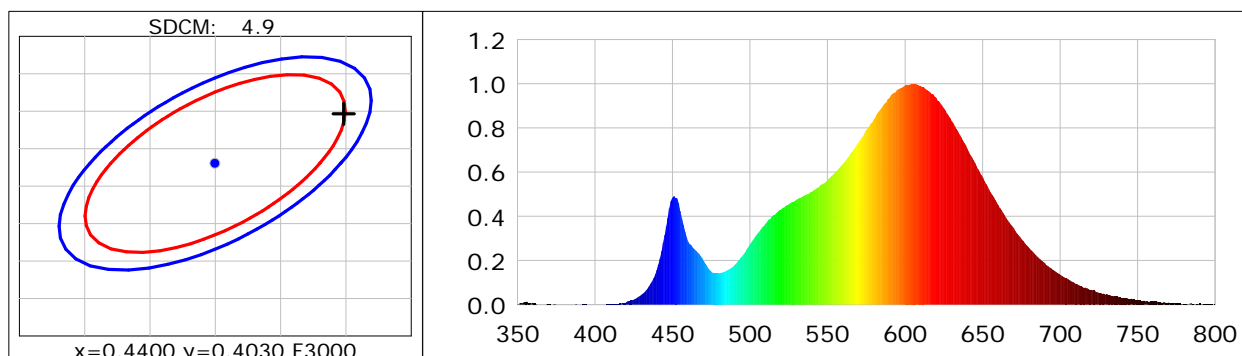
$Q11=87$

$Q12=84$

$Q13=82$

$Q14=71$

$Q15=73$



Photometric Parameters

Luminous Flux: 9873.5 lm

Efficiency: 193.17 lm/W

Radiant Power: 29.475 W

Total mains efficacy: 193.17 lm/W Energy Efficiency Class: B (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.22V

Current: 0.2350A

Power: 51.11W

Power Factor: 0.9922

Frequency: 49.99Hz

DF: 0.9935

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: 43681 (4638)

CCD Integration Time: 131.90 ms

Condition: Tx: 37.3°C, Ti: 35.5°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-15 15:48:46

Inspector: