



Lightsource Test Report

Product Infomation

Product Number: 138

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3073$ $y=0.3296$ $u(u')=0.1939$ $v=0.3119$ $v'=0.4679$

CCT: $T_c=6796K$ ($duv=0.00626$)

Color Ratio: $R=0.132$ $G=0.813$ $B=0.055$

Peak Wavelength: 448.8nm

Half Bandwidth: 32.7nm

Dominant Wavelength: 489.9nm

Color Purity: 0.090

Central Wave: 452.0nm

Gravity Wave: 451.0nm

CRI: $R_a=83.1$

TM30: $R_f=84$, $R_g=95$

GAI: $GAI_BB_8=88.7$, $GAI_BB_15=93.2$, $GAI_EES=86.2$

$R1=80$

$R2=87$

$R3=92$

$R4=83$

$R5=82$

$R6=83$

$R7=89$

$R8=69$

$R9=4$

$R10=69$

$R11=82$

$R12=63$

$R13=82$

$R14=96$

$R15=75$

Color Quality Scale: $Q_a=83.2$, $Q_f=83.4$, $Q_p=82.8$, $Q_g=91.3$

$Q1=84$

$Q2=99$

$Q3=81$

$Q4=78$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=97$

$Q10=88$

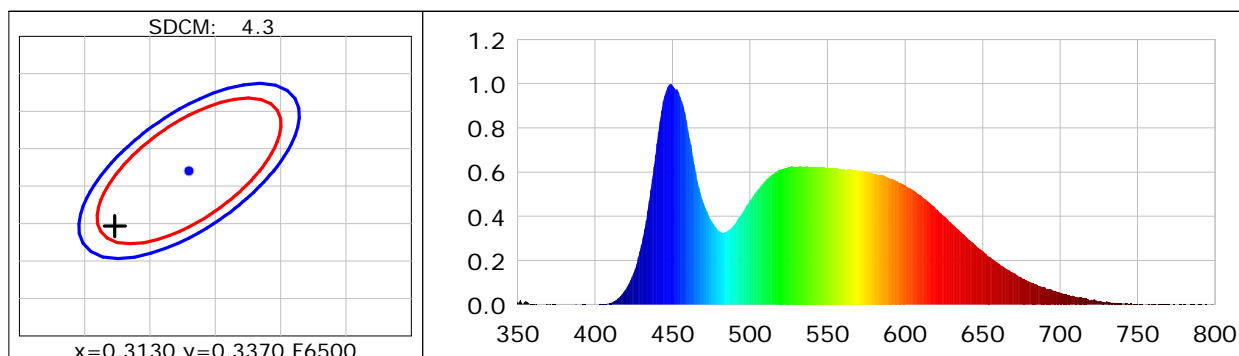
$Q11=85$

$Q12=85$

$Q13=84$

$Q14=71$

$Q15=76$



Photometric Parameters

Luminous Flux: 3258.2 lm

Efficiency: 111.05 lm/W

Radiant Power: 9.425 W

Total mains efficacy: 111.05 lm/W Energy Efficiency Class: F (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.38V

Current: 0.1430A

Power: 29.34W

Power Factor: 0.9350

Frequency: 49.99Hz

DF: 0.9887

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 49213 (3411)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 315.47 ms

Condition: Tx:27.6°C, Ti:26.1°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-05-28 11:23:52

Inspector: