



Lightsource Test Report

Product Infomation

Product Number: 22

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3105$ $y=0.3323$ $u(u')=0.1951$ $v=0.3132$ $v'=0.4698$

CCT: $T_c=6598K$ ($duv=0.00598$)

Color Ratio: $R=0.130$ $G=0.818$ $B=0.052$

Peak Wavelength: 448.3nm

Half Bandwidth: 21.9nm

Dominant Wavelength: 491.2nm

Color Purity: 0.078

Central Wave: 448.5nm

Gravity Wave: 448.3nm

CRI: $R_a=81.6$

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

GAI: $GAI_BB_8=90.3$, $GAI_BB_15=94.6$, $GAI_EES=88.5$

$R1=80$

$R2=84$

$R3=88$

$R4=83$

$R5=81$

$R6=80$

$R7=87$

$R8=70$

$R9=2$

$R10=63$

$R11=83$

$R12=60$

$R13=80$

$R14=94$

$R15=74$

Color Quality Scale: $Q_a=81.8$, $Q_f=81.5$, $Q_p=82.8$, $Q_g=92.3$

$Q1=85$

$Q2=97$

$Q3=77$

$Q4=75$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=96$

$Q10=85$

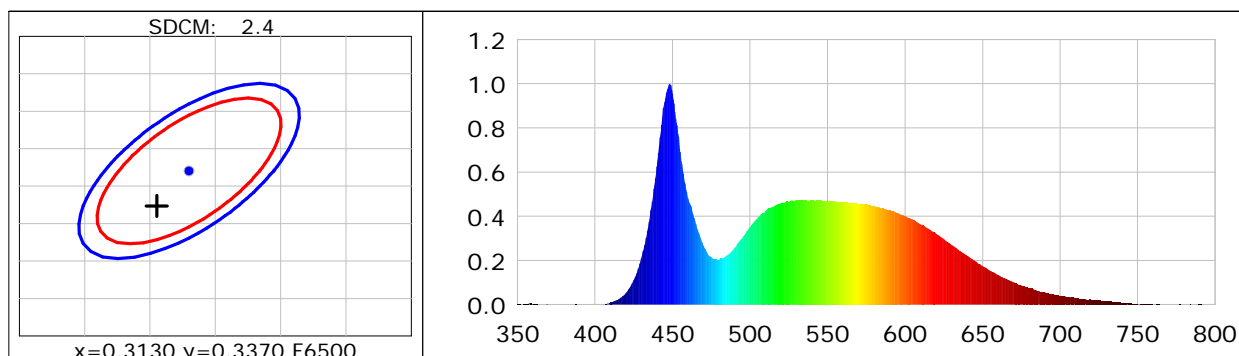
$Q11=82$

$Q12=82$

$Q13=82$

$Q14=70$

$Q15=76$



Photometric Parameters

Luminous Flux: 3140.2 lm

Efficiency: 108.77 lm/W

Radiant Power: 11.885 W

Total mains efficacy: 108.77 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.62V

Current: 0.1386A

Power: 28.87W

Power Factor: 0.9483

Frequency: 49.99Hz

DF: 0.9647

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: 50221 (2184)

CCD Integration Time: 251.52 ms

Condition: Tx: 16.8°C, Ti: 16.3°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-12-24 10:28:23

Operator:

Inspector: