



Lightsource Test Report

Product Infomation

Product Number: 23

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4523$ $y=0.4115$ $u(u')=0.2572$ $v=0.3510$ $v'=0.5266$

CCT: $T_c=2816K$ ($duv=0.00104$)

Color Ratio: $R=0.240$ $G=0.739$ $B=0.021$

Peak Wavelength: 605.2nm

Half Bandwidth: 118.4nm

Dominant Wavelength: 583.3nm

Color Purity: 0.593

Central Wave: 597.2nm

Gravity Wave: 599.8nm

CRI: $R_a=81.6$

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

GAI: $GAI_BB_8=89.9$, $GAI_BB_15=98.2$, $GAI_EES=46.9$

$R1=80$

$R2=90$

$R3=97$

$R4=80$

$R5=80$

$R6=89$

$R7=81$

$R8=56$

$R9=2$

$R10=77$

$R11=80$

$R12=69$

$R13=82$

$R14=99$

$R15=71$

Color Quality Scale: $Q_a=81.9$, $Q_f=83.9$, $Q_p=82.7$, $Q_g=90.1$

$Q1=77$

$Q2=94$

$Q3=83$

$Q4=80$

$Q5=83$

$Q6=83$

$Q7=83$

$Q8=86$

$Q9=95$

$Q10=90$

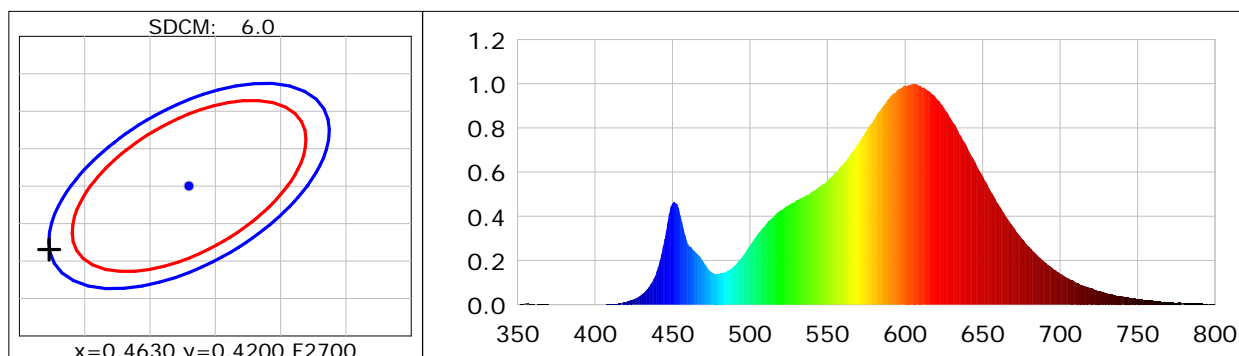
$Q11=87$

$Q12=84$

$Q13=82$

$Q14=70$

$Q15=73$



Photometric Parameters

Luminous Flux: 24422 lm

Efficiency: 167.03 lm/W

Radiant Power: 73.104 W

Total mains efficacy: 167.03 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.11V

Current: 0.6684A

Power: 146.21W

Power Factor: 0.9984

Frequency: 49.99Hz

DF: 0.9998

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 44466 (4044)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 50.62 ms

Condition: Tx: 35.3°C, Ti: 33.6°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-14 13:09:00

Inspector: