



Lightsource Test Report

Product Infomation

Product Number: 110

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3072$ $y=0.3288$ $u(u')=0.1941$ $v=0.3116$ $v'=0.4674$

CCT: $T_c=6814K$ ($duv=0.00590$)

Color Ratio: $R=0.131$ $G=0.815$ $B=0.053$

Peak Wavelength: 449.5nm

Half Bandwidth: 25.1nm

Dominant Wavelength: 489.5nm

Color Purity: 0.092

Central Wave: 451.4nm

Gravity Wave: 451.0nm

CRI: $R_a=82.3$

TM30: $R_f=83$, $R_g=95$

GAI: $GAI_BB_8=88.8$, $GAI_BB_15=93.7$, $GAI_EES=86.3$

$R1=80$

$R2=86$

$R3=91$

$R4=82$

$R5=81$

$R6=82$

$R7=88$

$R8=69$

$R9=1$

$R10=67$

$R11=82$

$R12=59$

$R13=81$

$R14=95$

$R15=74$

Color Quality Scale: $Q_a=82.2$, $Q_f=82.3$, $Q_p=82.3$, $Q_g=91.3$

$Q1=84$

$Q2=98$

$Q3=79$

$Q4=75$

$Q5=81$

$Q6=83$

$Q7=86$

$Q8=90$

$Q9=97$

$Q10=87$

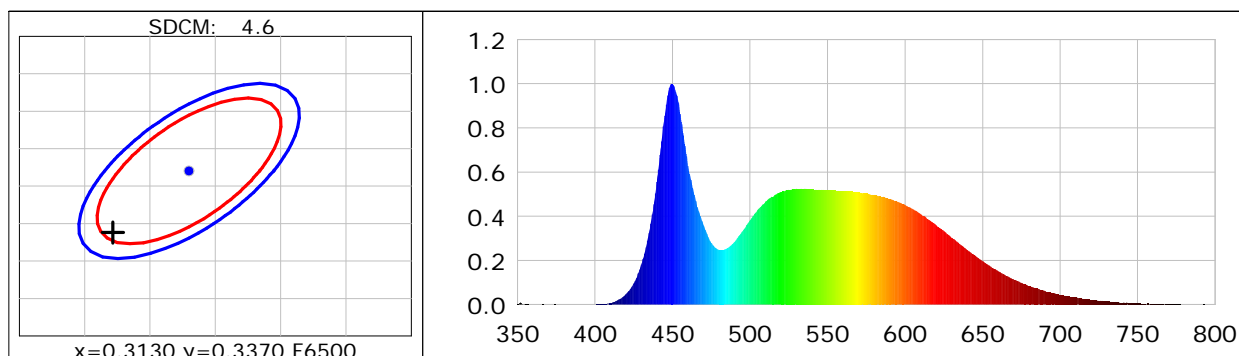
$Q11=84$

$Q12=83$

$Q13=83$

$Q14=70$

$Q15=75$



Photometric Parameters

Luminous Flux: 9885.4 lm

Efficiency: 102.28 lm/W

Radiant Power: 42.342 W

Total mains efficacy: 102.28 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.38V

Current: 0.7158A

Power: 96.65W

Power Factor: 0.6155

Frequency: 49.99Hz

DF: 0.9773

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 49623 (3287)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 58.48 ms

Condition: Tx: 30.4°C, Ti: 28.6°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-04-29 16:24:54

Inspector: