



Lightsource Test Report

Product Infomation

Product Number: 32

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3056$ $y=0.3333$ $u(u')=0.1914$ $v=0.3131$ $v'=0.4696$

CCT: $T_c=6852K$ ($duv=0.00898$)

Color Ratio: $R=0.126$ $G=0.808$ $B=0.065$

Peak Wavelength: 456.0nm

Half Bandwidth: 22.3nm

Dominant Wavelength: 491.7nm

Color Purity: 0.094

Central Wave: 458.3nm

Gravity Wave: 457.5nm

CRI: $R_a=82.1$

TM30: $R_f=81$, $R_g=90$

GAI: $GAI_BB_8=84.0$, $GAI_BB_15=90.6$, $GAI_EES=83.2$

$R1=80$

$R2=91$

$R3=94$

$R4=76$

$R5=79$

$R6=86$

$R7=85$

$R8=65$

$R9=-2$

$R10=78$

$R11=76$

$R12=53$

$R13=84$

$R14=97$

$R15=74$

Color Quality Scale: $Q_a=80.6$, $Q_f=81.0$, $Q_p=78.5$, $Q_g=87.2$

$Q1=77$

$Q2=95$

$Q3=84$

$Q4=73$

$Q5=75$

$Q6=75$

$Q7=81$

$Q8=88$

$Q9=96$

$Q10=93$

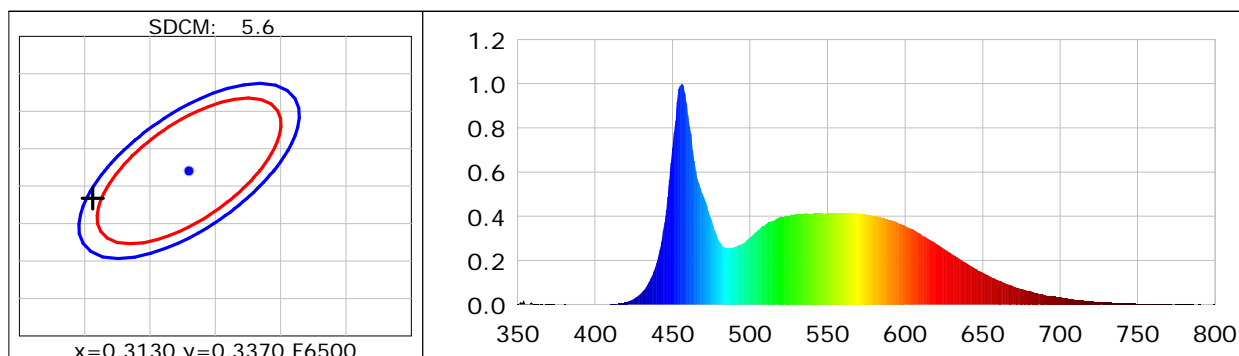
$Q11=88$

$Q12=86$

$Q13=84$

$Q14=69$

$Q15=73$



Photometric Parameters

Luminous Flux: 25849 lm

Efficiency: 127.77 lm/W

Radiant Power: 174.395 W

Total mains efficacy: 127.77 lm/W Energy Efficiency Class: A (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.37V

Current: 0.9383A

Power: 202.31W

Power Factor: 0.9829

Frequency: 49.99Hz

DF: 0.9936

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 49978 (2783)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 π

CCD Integration Time: 14.68 ms

Condition: Tx:25.8°C, Ti:24.6°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-20 15:35:16

Inspector: