

Lightsource Test Report

Product Infomation

Product Number: 173

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3070$ $y=0.3277$ $u(u')=0.1943$ $v=0.3112$ $v'=0.4668$

CCT: $T_c=6836K$ ($duv=0.00545$)

Color Ratio: $R=0.133$ $G=0.810$ $B=0.056$

Peak Wavelength: 449.1nm

Half Bandwidth: 31.6nm

Dominant Wavelength: 488.9nm

Color Purity: 0.093

Central Wave: 452.8nm

Gravity Wave: 451.5nm

CRI: $R_a=83.8$

TM30: $R_f=85$, $R_g=95$

GAI: $GAI_BB_8=89.2$, $GAI_BB_15=93.9$, $GAI_EES=86.8$

$R1=81$

$R2=88$

$R3=92$

$R4=84$

$R5=82$

$R6=84$

$R7=89$

$R8=70$

$R9=7$

$R10=71$

$R11=83$

$R12=62$

$R13=83$

$R14=96$

$R15=76$

Color Quality Scale: $Q_a=83.4$, $Q_f=83.6$, $Q_p=83.1$, $Q_g=91.5$

$Q1=84$

$Q2=99$

$Q3=81$

$Q4=77$

$Q5=82$

$Q6=84$

$Q7=87$

$Q8=91$

$Q9=97$

$Q10=89$

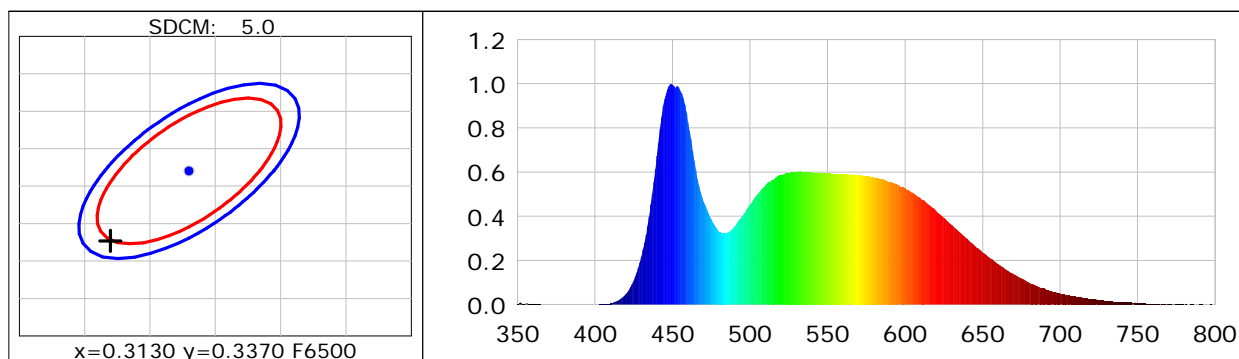
$Q11=86$

$Q12=85$

$Q13=84$

$Q14=72$

$Q15=77$



Photometric Parameters

Luminous Flux: 16458 lm

Efficiency: 114.32 lm/W

Radiant Power: 53.032 W

Total mains efficacy: 114.32 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.19V

Current: 0.6767A

Power: 143.96W

Power Factor: 0.9706

Frequency: 49.99Hz

DF: 0.9890

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45841 (2995)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 50.65 ms

Condition: Tx:27.6°C, Ti:26.5°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-05-29 12:18:56

Inspector: