



Lightsource Test Report

Product Infomation

Product Number: 4

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3152$ $y=0.3386$ $u(u')=0.1960$ $v=0.3158$ $v'=0.4737$

CCT: $T_c=6316K$ ($duv=0.00681$)

Color Ratio: $R=0.132$ $G=0.817$ $B=0.051$

Peak Wavelength: 444.1nm

Half Bandwidth: 26.6nm

Dominant Wavelength: 495.4nm

Color Purity: 0.058

Central Wave: 447.1nm

Gravity Wave: 446.1nm

CRI: $R_a=81.5$

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

GAI: $GAI_BB_8=90.1$, $GAI_BB_15=93.7$, $GAI_EES=87.1$

$R1=79$

$R2=84$

$R3=89$

$R4=83$

$R5=81$

$R6=80$

$R7=87$

$R8=69$

$R9=1$

$R10=63$

$R11=83$

$R12=64$

$R13=80$

$R14=94$

$R15=73$

Color Quality Scale: $Q_a=82.4$, $Q_f=82.3$, $Q_p=83.1$, $Q_g=92.3$

$Q1=85$

$Q2=97$

$Q3=79$

$Q4=78$

$Q5=83$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=96$

$Q10=85$

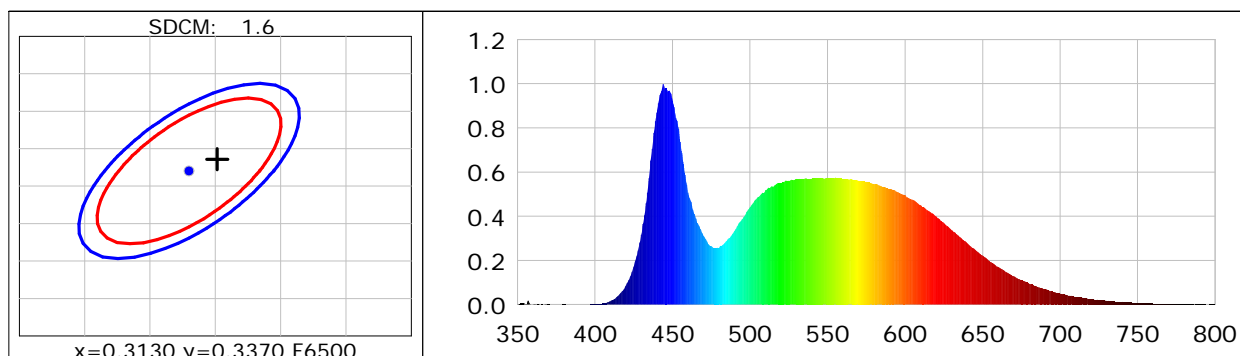
$Q11=83$

$Q12=82$

$Q13=82$

$Q14=70$

$Q15=75$



Photometric Parameters

Luminous Flux: 17352 lm

Efficiency: 113.63 lm/W

Radiant Power: 55.249 W

Total mains efficacy: 113.63 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 229.48V

Current: 1.0860A

Power: 152.72W

Power Factor: 0.6128

Frequency: 49.99Hz

DF: 0.9780

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45965 (2273)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 48.49 ms

Condition: Tx: 19.4°C, Ti: 18.1°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-11-25 14:10:29

Inspector: