



Lightsource Test Report

Product Infomation

Product Number: 284

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.2997$ $y=0.3248$ $u(u')=0.1903$ $v=0.3094$ $v'=0.4642$

CCT: $T_c=6800K$ ($duv=0.00783$)

Color Ratio: $R=0.125$ $G=0.822$ $B=0.053$

Peak Wavelength: 448.8nm

Half Bandwidth: 23.2nm

Dominant Wavelength: 488.4nm

Color Purity: 0.120

Central Wave: 450.1nm

Gravity Wave: 449.8nm

CRI: $R_a=81.0$

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

GAI: $GAI_BB_8=87.9$, $GAI_BB_15=92.8$, $GAI_EES=87.0$

$R1=78$

$R2=84$

$R3=88$

$R4=81$

$R5=80$

$R6=79$

$R7=88$

$R8=69$

$R9=-3$

$R10=62$

$R11=81$

$R12=57$

$R13=79$

$R14=94$

$R15=73$

Color Quality Scale: $Q_a=81.9$, $Q_f=81.8$, $Q_p=82.2$, $Q_g=91.0$

$Q1=85$

$Q2=98$

$Q3=78$

$Q4=75$

$Q5=81$

$Q6=83$

$Q7=85$

$Q8=90$

$Q9=96$

$Q10=86$

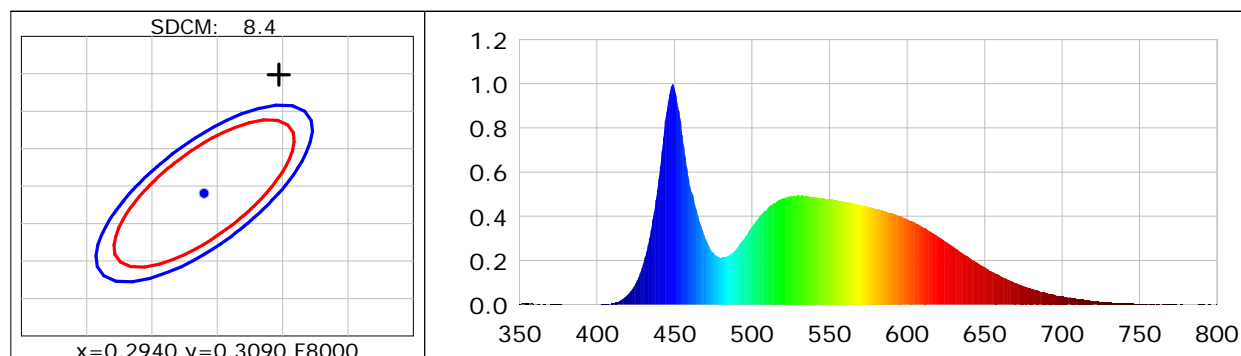
$Q11=83$

$Q12=83$

$Q13=83$

$Q14=69$

$Q15=75$



Photometric Parameters

Luminous Flux: 6110.3 lm

Efficiency: 120.33 lm/W

Radiant Power: 25.889 W

Total mains efficacy: 120.33 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.46V

Current: 0.2345A

Power: 50.78W

Power Factor: 0.9865

Frequency: 49.99Hz

DF: 0.9946

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 47328 (3369)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 108.80 ms

Condition: Tx:29.7°C, Ti:27.8°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-16 09:32:52

Inspector: