



Lightsource Test Report

Product Infomation

Product Number: 245

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4543$ $y=0.4145$ $u(u')=0.2572$ $v=0.3520$ $v'=0.5280$

CCT: $T_c=2810K$ ($duv=0.00196$)

Color Ratio: $R=0.240$ $G=0.739$ $B=0.021$

Peak Wavelength: 605.7nm

Half Bandwidth: 118.7nm

Dominant Wavelength: 583.0nm

Color Purity: 0.608

Central Wave: 597.1nm

Gravity Wave: 600.1nm

CRI: $R_a=81.4$

TM30: $R_f=84$, $R_g=95$

GAI: $GAI_BB_8=86.7$, $GAI_BB_15=95.2$, $GAI_EES=45.0$

$R1=79$

$R2=89$

$R3=97$

$R4=80$

$R5=80$

$R6=88$

$R7=81$

$R8=56$

$R9=1$

$R10=77$

$R11=79$

$R12=68$

$R13=81$

$R14=99$

$R15=71$

Color Quality Scale: $Q_a=82.0$, $Q_f=84.2$, $Q_p=82.2$, $Q_g=89.2$

$Q1=77$

$Q2=94$

$Q3=83$

$Q4=80$

$Q5=83$

$Q6=83$

$Q7=83$

$Q8=86$

$Q9=95$

$Q10=90$

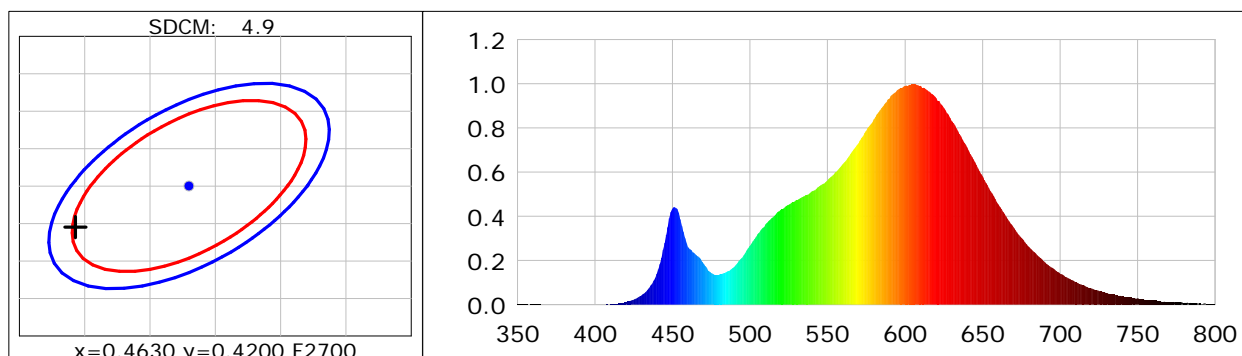
$Q11=87$

$Q12=85$

$Q13=83$

$Q14=70$

$Q15=72$



Photometric Parameters

Luminous Flux: 36983 lm

Efficiency: 186.78 lm/W

Radiant Power: 110.224 W

Total mains efficacy: 186.78 lm/W Energy Efficiency Class: B (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.44V

Current: 0.9030A

Power: 198.01W

Power Factor: 0.9992

Frequency: 49.99Hz

DF: 1.0000

Test Infomation

Scan Range: 350~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 2.00m, 4T

Max of Signal: 43765 (3943)

CCD Integration Time: 32.97 ms

Condition: Tx: 35.1°C, Ti: 33.6°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-08 11:52:14

Inspector: