



Lightsource Test Report

Product Infomation

Product Number: 16

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3044$ $y=0.3312$ $u(u')=0.1912$ $v=0.3122$ $v'=0.4683$

CCT: $T_c=6846K$ ($duv=0.00858$)

Color Ratio: $R=0.126$ $G=0.807$ $B=0.067$

Peak Wavelength: 456.6nm

Half Bandwidth: 23.1nm

Dominant Wavelength: 490.8nm

Color Purity: 0.099

Central Wave: 458.9nm

Gravity Wave: 458.2nm

CRI: $R_a=82.4$

TM30: $R_f=81$, $R_g=89$

GAI: $GAI_BB_8=84.2$, $GAI_BB_15=90.7$, $GAI_EES=83.6$

$R1=81$

$R2=92$

$R3=94$

$R4=76$

$R5=80$

$R6=87$

$R7=85$

$R8=66$

$R9=0$

$R10=79$

$R11=76$

$R12=54$

$R13=85$

$R14=97$

$R15=74$

Color Quality Scale: $Q_a=80.7$, $Q_f=81.1$, $Q_p=78.6$, $Q_g=87.3$

$Q1=76$

$Q2=95$

$Q3=84$

$Q4=73$

$Q5=75$

$Q6=75$

$Q7=81$

$Q8=87$

$Q9=96$

$Q10=93$

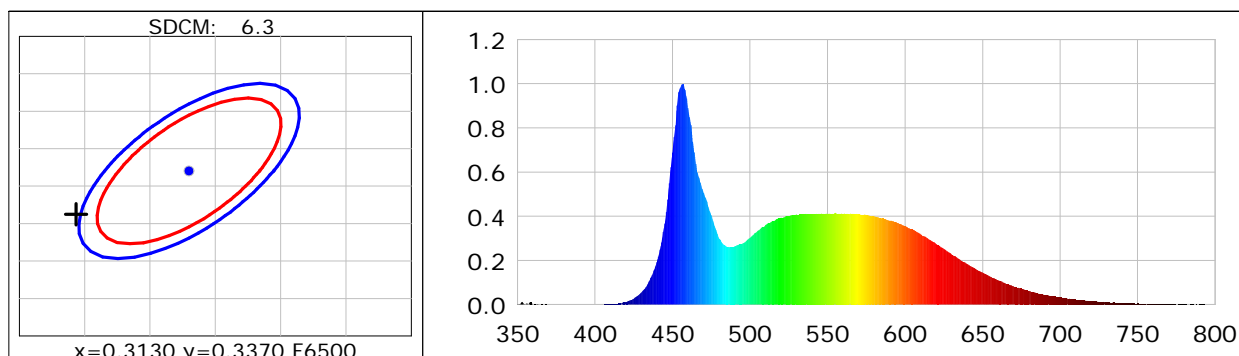
$Q11=88$

$Q12=86$

$Q13=84$

$Q14=70$

$Q15=74$



Photometric Parameters

Luminous Flux: 38115 lm

Efficiency: 124.97 lm/W

Radiant Power: 236.703 W

Total mains efficacy: 124.97 lm/W Energy Efficiency Class: A (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.49V

Current: 1.4107A

Power: 304.99W

Power Factor: 0.9850

Frequency: 49.99Hz

DF: 0.9941

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: 49647 (2833)

CCD Integration Time: 10.75 ms

Condition: Tx:26.4°C, Ti:25.3°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-20 08:53:09

Inspector: