



## Lightsource Test Report

### Product Infomation

Product Number: 837

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3025$   $y=0.3264$   $u(u')=0.1917$   $v=0.3103$   $v'=0.4654$

CCT:  $T_c=6914K$  ( $duv=0.00714$ )

Color Ratio:  $R=0.129$   $G=0.821$   $B=0.050$

Peak Wavelength: 447.9nm

Half Bandwidth: 23.7nm

Dominant Wavelength: 488.8nm

Color Purity: 0.109

Central Wave: 447.7nm

Gravity Wave: 447.8nm

CRI:  $R_a=81.4$

TM30:  $R_f=83$ ,  $R_g=97$

GAI:  $GAI\_BB\_8=90.3$ ,  $GAI\_BB\_15=94.5$ ,  $GAI\_EES=88.7$

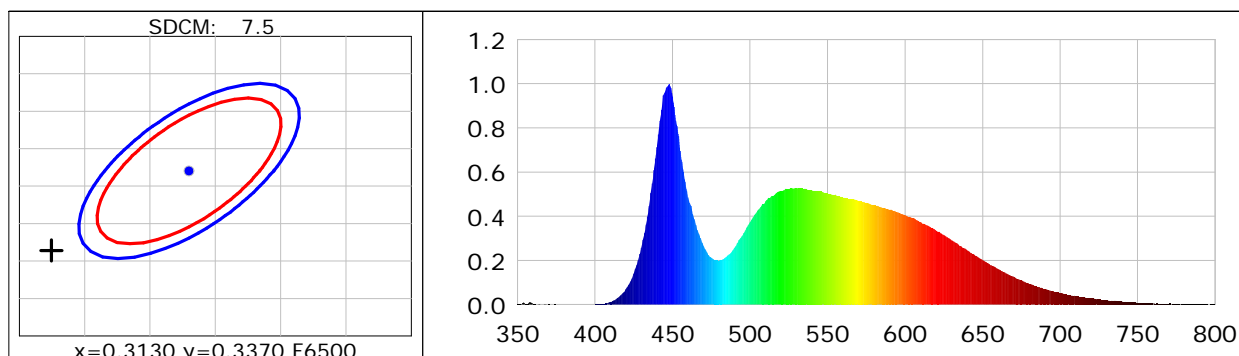
$R1=80$   $R2=83$   $R3=86$   $R4=83$   $R5=81$   $R6=79$   $R7=88$   $R8=73$

$R9=8$   $R10=61$   $R11=82$   $R12=60$   $R13=80$   $R14=93$   $R15=75$

Color Quality Scale:  $Q_a=83.2$ ,  $Q_f=82.8$ ,  $Q_p=84.4$ ,  $Q_g=93.2$

$Q1=87$   $Q2=96$   $Q3=78$   $Q4=77$   $Q5=83$   $Q6=84$   $Q7=86$   $Q8=91$

$Q9=95$   $Q10=85$   $Q11=84$   $Q12=84$   $Q13=84$   $Q14=73$   $Q15=78$



### Photometric Parameters

Luminous Flux: 23392 lm

Efficiency: 115.91 lm/W

Radiant Power: 75.541 W

Total mains efficacy: 115.91 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 125.91V

Current: 1.7291A

Power: 201.81W

Power Factor: 0.9269

Frequency: 60.00Hz

DF: 0.9921

### 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: 47006 (3153)

CCD Integration Time: 29.37 ms

Condition: Tx:29.4°C, Ti:28.3°C, R.H.:60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-09-16

Operator:

Inspector: