



## Lightsource Test Report

### Product Infomation

Product Number: 11

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3118$   $y=0.3283$   $u(u')=0.1974$   $v=0.3119$   $v'=0.4678$

CCT:  $T_c=6562K$  ( $duv=0.00331$ )

Color Ratio:  $R=0.138$   $G=0.804$   $B=0.059$

Peak Wavelength: 454.7nm

Half Bandwidth: 23.7nm

Dominant Wavelength: 488.7nm

Color Purity: 0.076

Central Wave: 457.0nm

Gravity Wave: 456.3nm

CRI:  $R_a=83.7$

TM30:  $R_f=82$ ,  $R_g=92$

GAI:  $GAI\_BB\_8=88.4$ ,  $GAI\_BB\_15=94.4$ ,  $GAI\_EES=85.0$

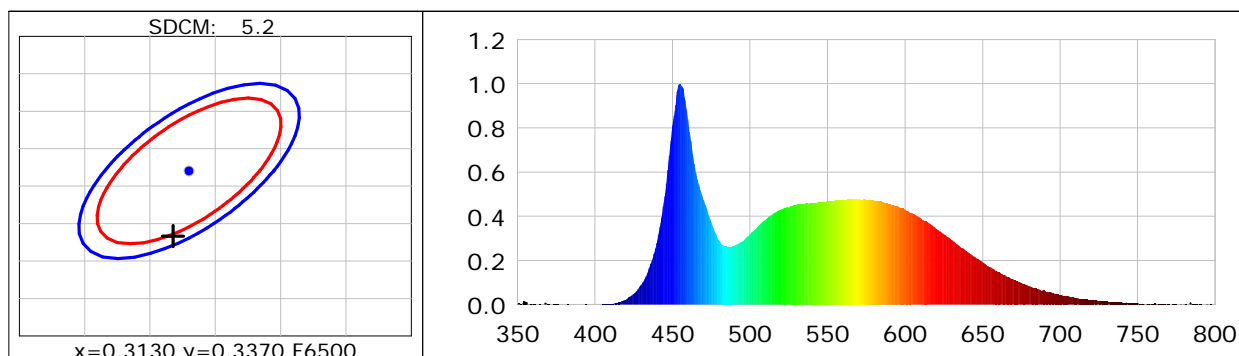
$R1=82$   $R2=91$   $R3=94$   $R4=80$   $R5=82$   $R6=86$   $R7=87$   $R8=68$

$R9=9$   $R10=77$   $R11=79$   $R12=57$   $R13=85$   $R14=97$   $R15=77$

Color Quality Scale:  $Q_a=81.5$ ,  $Q_f=81.7$ ,  $Q_p=80.5$ ,  $Q_g=90.0$

$Q1=81$   $Q2=98$   $Q3=81$   $Q4=72$   $Q5=76$   $Q6=79$   $Q7=84$   $Q8=89$

$Q9=97$   $Q10=90$   $Q11=85$   $Q12=84$   $Q13=83$   $Q14=72$   $Q15=76$



### Photometric Parameters

Luminous Flux: 11851 lm

Efficiency: 116.15 lm/W

Radiant Power: 41.006 W

Total mains efficacy: 116.15 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.59V

Current: 0.4804A

Power: 102.03W

Power Factor: 0.9672

Frequency: 49.99Hz

DF: 0.9834

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45178 (3715)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 150.72 ms

Condition: Tx: 31.4°C, Ti: 30.8°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-06-15 19:10:08

Inspector: