



## Lightsource Test Report

### Product Infomation

Product Number: 15

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3102$   $y=0.3321$   $u(u')=0.1949$   $v=0.3131$   $v'=0.4696$

CCT:  $T_c=6618K$  ( $duv=0.00604$ )

Color Ratio:  $R=0.129$   $G=0.815$   $B=0.055$

Peak Wavelength: 448.9nm

Half Bandwidth: 25.4nm

Dominant Wavelength: 491.0nm

Color Purity: 0.079

Central Wave: 451.0nm

Gravity Wave: 450.4nm

CRI:  $R_a=82.0$

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

GAI:  $GAI\_BB\_8=88.9$ ,  $GAI\_BB\_15=93.5$ ,  $GAI\_EES=87.1$

$R1=79$

$R2=86$

$R3=91$

$R4=82$

$R5=81$

$R6=82$

$R7=88$

$R8=68$

$R9=-3$

$R10=67$

$R11=82$

$R12=60$

$R13=81$

$R14=95$

$R15=74$

Color Quality Scale:  $Q_a=81.4$ ,  $Q_f=81.4$ ,  $Q_p=81.5$ ,  $Q_g=90.8$

$Q1=83$

$Q2=98$

$Q3=79$

$Q4=74$

$Q5=80$

$Q6=83$

$Q7=86$

$Q8=90$

$Q9=97$

$Q10=86$

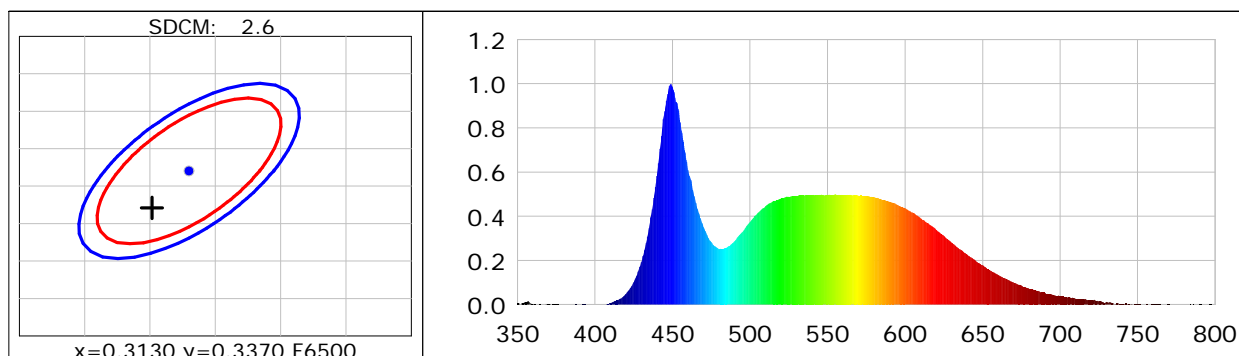
$Q11=83$

$Q12=82$

$Q13=82$

$Q14=68$

$Q15=74$



### Photometric Parameters

Luminous Flux: 991.2 lm

Efficiency: 107.54 lm/W

Radiant Power: 3.825 W

Total mains efficacy: 107.54 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.66V

Current: 0.0441A

Power: 9.22W

Power Factor: 0.9528

Frequency: 49.99Hz

DF: 0.9761

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 53151 (2419)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 879.29 ms

Condition: Tx: 16.3°C, Ti: 15.8°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-12-24 09:59:55

Inspector: