



## Lightsource Test Report

### Product Infomation

Product Number: 103

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3861$   $y=0.3829$   $u(u')=0.2264$   $v=0.3367$   $v'=0.5051$

CCT:  $T_c=3896K$  ( $duv=0.00126$ )

Color Ratio:  $R=0.182$   $G=0.786$   $B=0.032$

Peak Wavelength: 450.1nm

Half Bandwidth: 16.5nm

Dominant Wavelength: 578.8nm

Color Purity: 0.308

Central Wave: 450.7nm

Gravity Wave: 450.4nm

CRI:  $R_a=80.2$

TM30:  $R_f=82$ ,  $R_g=95$

GAI:  $GAI\_BB\_8=90.0$ ,  $GAI\_BB\_15=97.3$ ,  $GAI\_EES=69.4$

$R1=78$

$R2=87$

$R3=94$

$R4=79$

$R5=78$

$R6=82$

$R7=84$

$R8=59$

$R9=-5$

$R10=69$

$R11=78$

$R12=57$

$R13=80$

$R14=97$

$R15=71$

Color Quality Scale:  $Q_a=80.4$ ,  $Q_f=80.6$ ,  $Q_p=80.3$ ,  $Q_g=91.5$

$Q1=79$

$Q2=98$

$Q3=77$

$Q4=74$

$Q5=79$

$Q6=81$

$Q7=83$

$Q8=87$

$Q9=97$

$Q10=87$

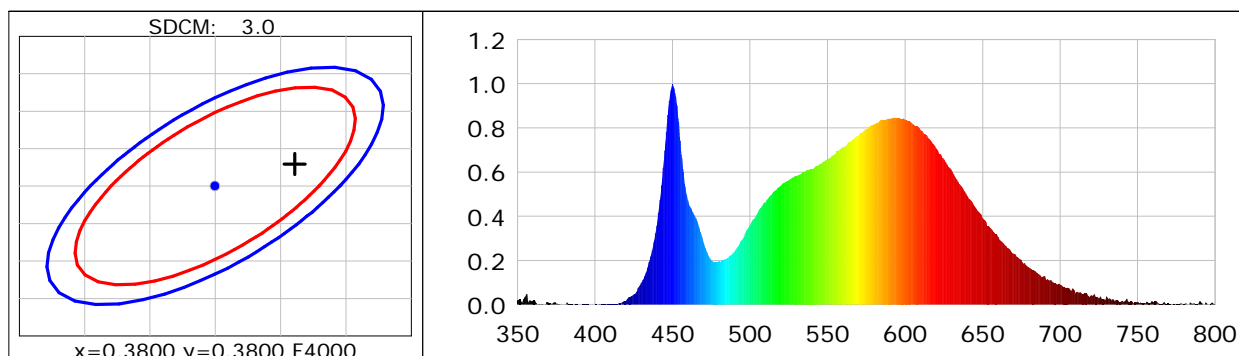
$Q11=83$

$Q12=82$

$Q13=81$

$Q14=68$

$Q15=72$



### Photometric Parameters

Luminous Flux: 7212.9 lm

Efficiency: 159.12 lm/W

Radiant Power: 13.380 W

Total mains efficacy: 159.12 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.58V

Current: 0.2072A

Power: 45.33W

Power Factor: 0.9963

Frequency: 49.99Hz

DF: 0.9980

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 43950 (4912)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 639.38 ms

Condition: Tx: 32.5°C, Ti: 31.1°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-09-11 13:53:09

Inspector: