



## Lightsource Test Report

### Product Infomation

Product Number: 42

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3416$   $y=0.3515$   $u(u')=0.2091$   $v=0.3227$   $v'=0.4841$

CCT:  $T_c=5136K$  ( $duv=0.00136$ )

Color Ratio:  $R=0.154$   $G=0.801$   $B=0.044$

Peak Wavelength: 450.7nm

Half Bandwidth: 18.1nm

Dominant Wavelength: 569.1nm

Color Purity: 0.080

Central Wave: 451.9nm

Gravity Wave: 451.6nm

CRI:  $R_a=82.4$

TM30:  $R_f=82$ ,  $R_g=96$

GAI:  $GAI\_BB\_8=93.5$ ,  $GAI\_BB\_15=99.3$ ,  $GAI\_EES=83.3$

$R1=81$

$R2=87$

$R3=91$

$R4=82$

$R5=82$

$R6=82$

$R7=86$

$R8=67$

$R9=6$

$R10=69$

$R11=82$

$R12=58$

$R13=83$

$R14=95$

$R15=76$

Color Quality Scale:  $Q_a=80.3$ ,  $Q_f=80.1$ ,  $Q_p=81.3$ ,  $Q_g=93.0$

$Q1=83$

$Q2=98$

$Q3=74$

$Q4=71$

$Q5=79$

$Q6=82$

$Q7=85$

$Q8=89$

$Q9=96$

$Q10=85$

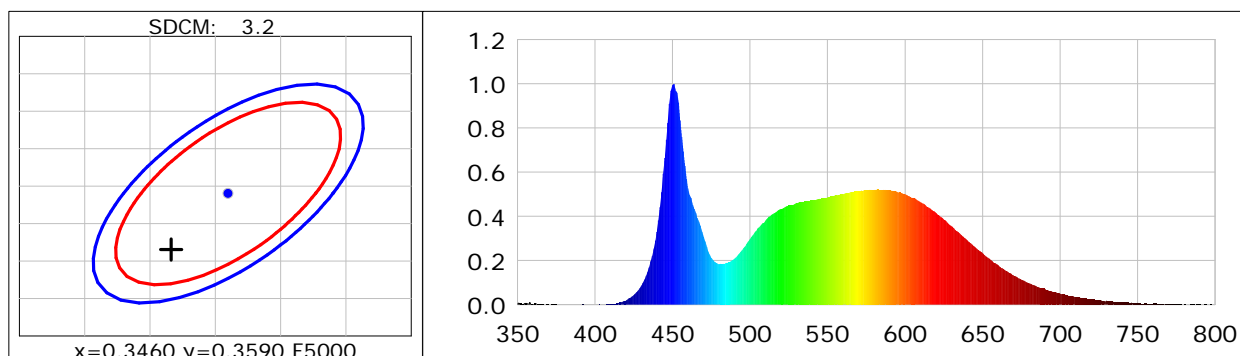
$Q11=81$

$Q12=80$

$Q13=80$

$Q14=70$

$Q15=75$



### Photometric Parameters

Luminous Flux: 9517.5 lm

Efficiency: 187.62 lm/W

Radiant Power: 29.279 W

Total mains efficacy: 187.62 lm/W Energy Efficiency Class: B (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.29V

Current: 0.2331A

Power: 50.73W

Power Factor: 0.9925

Frequency: 49.99Hz

DF: 0.9939

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 43158 (4498)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 89.13 ms

Condition: Tx: 37.3°C, Ti: 35.4°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-15 15:52:40

Inspector: